



**ENTERPRISES LTD.**

*Since 1964*

# INDUSTRIAL HOSE PRODUCTS CATALOG



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# AIR AND GENERAL PURPOSE HOSE

## AIR

### CONTRACTORS AIR



**APPLICATION:**For mining, construction, and industrial use

**COVER:**Yellow cut and abrasion resistant rubber

**REINFORCEMENT:**Multiple layers of synthetic yarn

**TUBE:**Synthetic oil mist resistant

**TEMPERATURE:**-35C to +80C(-30F to +180F)

Item No	Nom. ID"	Nom. OD"	PSI	Std Pack	Weight#
CAY-050-50	1/2	0.87	300	50'	0.32
CAY-050-100	1/2	0.87	300	100'	0.32
CAY-050-400	1/2	0.87	300	200'	0.32
CAY-075-50	3/4	1.14	300	50'	0.48
CAY-075-100	3/4	1.14	300	100'	0.48
CAY-075-400	3/4	1.14	300	200'	0.48
CAY-100-50	1	1.44	300	50'	0.70
CAY-100-100	1	1.44	300	100'	0.70
CAY-100-400	1	1.44	300	200'	0.70
CAY-125-50	1-1/4	1.73	300	50'	0.73
CAY-125-100	1-1/4	1.73	300	100'	0.73
CAY-125-400	1-1/4	1.73	300	200'	0.73
CAY-150-50	1-1/2	1.97	300	50'	0.93
CAY-150-100	1-1/2	2.01	300	100'	0.93
CAY-150-400	1-1/2	2.01	300	200'	0.93
CAY-200-50	2	2.56	300	50'	1.56
CAY-200-100	2	2.56	300	100'	1.56
CAY-200-400	2	2.56	300	200'	1.56
CAY-250	2-1/2	3.03	250	100'	1.65
CAY-300	3	3.66	250	100'	2.00
CAY-400	4	4.68	250	100'	2.71

**Cut Lengths:** Plus 10%

**Standard Length:** 50'/100'

**Product Info:** Please specify length required when ordering, i.e. 50', 100'. Lengths to 200' available, check for pricing and availability

**Recommended Couplings:** High Pressure all sizes, mine stem and nut 1/2" - 2", Universal quick acting 1/2" - 1". Crimplok ground joint, Crimplok universals. All coupling recommendations are to be used as guidelines and are derived from past user preference. In some cases the preferred coupling is of a lesser pressure rating than the hose. Never exceed the working pressure of the lowest rated component in the assembly.

If you require further assistance with regards to coupling choice, please contact Harco Ent. customer service at 1-800-361-5361

## AIR AND GENERAL PURPOSE HOSE

### AIR

#### CONTRACTORS AIR ASSEMBLY

Item No	Assembly Description	Weight#
CAY-050-050MASS	1/2"X50'CONT AIR C/W MINE FIT 1/2X1/2	17.54
CAY-050-25MASS	1/2"X25'CONTR AIR C/W MINE FITTINGS	9.49
CAY-050-CMASS	1/2"X50' CONTR AIR C/W 1" CRIMPED MINE FITTINGS	17.74
CAY-050-CMASS050	1/2"X50' CONTR AIR C/W 1/2"X1" CRIMPED MINE FITTINGS	17.54
CAY-050-HPASS	1/2"X50'CONT AIR C/W M/F H.P. 1SPUD	18.17
CAY-050-MASS	1/2"X50'CONTR AIR C/W MINE FITTINGS	17.74
CAY-050-UASS	1/2"X50'CONTR. AIR C/W UNIVERSALS	17.62
CAY-075-CUASS	3/4"X50' CONTRACTORS AIR C/W CRIMP UNIV HOSE ENDS	24.68
CAY-075-HPASS	3/4"X50'CONT AIR C/W M/F H.P. 1SPUD	27.57
CAY-075-HPFF	3/4"X50'CONT AIR C/W F/F HP 2SPUDS	28.98
CAY-075-HPFFNS	3/4"X50'CONTR AIR C/W F/F HP NO SPUDS	27.74
CAY-075-MASS	3/4"X50'CONTR AIR C/W MINE FITTINGS	25.44
CAY-075-NASS	3/4"X50' CONTR.AIR 300 + M/F NATIONAL	25.02
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CAY-075-UASS	3/4"X50'CONTRACTORS AIR C/W UNIVERSALS	25.26
CAY-075-UASS100	3/4"X100'CONTRACTORS AIR C/W UNIVERSALS	41.36
CAY-100-10UASS	1"X10' CONT AIR C/W UNIVERSALS	8.61
CAY-100-25MASS	1"X25'CONTR AIR C/W MINE FITTINGS	19.03
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CAY-100-CMASS	1"X50' CONTR AIR C/W CRIMPED MINE FITTINGS	37.36
CAY-100-CUASS	1"X50' CONTRACTORS AIR C/W CRIMP UNIV HOSE ENDS	36.200
CAY-100-HPASS	1"X50'CONT AIR C/W M/F H.P. 1SPUD	39.64
CAY-100-HPFFNS	1"X50'CONTR AIR C/W F/F HP NO SPUDS	39.66
CAY-100-MASS	1"X50'CONTR AIR C/W MINE FITTINGS	36.53
CAY-100-UASS	1"X50' CONT AIR C/W UNIVERSALS	36.61
CAY-100-UASS100	1"X100' CONTRACTORS AIR C/W UNIVERSALS	53.68
CAY-125-HPASS	1-1/4"X50'CONT AIR C/W M/F HP 1SPUD	45.36
CAY-125-HPFFDS	1-1/4"X50'CONT AIR C/W F/F HP CPLG+1 DBL	46.30
CAY-125-HPFFNS	1-1/4"X50'CONT AIR C/W F/F HP NO SPUDS	44.90
CAY-125-MASS	1-1/4"X50'CONTR. AIR MINE ASSY	37.78
CAY-125-UASS	1-1/4"X50'CONTR AIR C/W UNIVERSALS ATT	42.98
CAY-150-10MASS	1-1/2"X100' CONTR AIR C/W MINE STEM ATT	96.84
CAY-150-HPASS	1-1/2"X50'CONT AIR C/W M/F HP 1SPUD	56.62
CAY-150-HPFFDS	1-1/2"X50'CONT AIR C/W F/F HP+1 DBL SPUD	57.90
CAY-150-MASS	1-1/2"X50'CONTR. AIR MINE ASSY	50.58
CAY-150-UASS	1-1/2"X50'CONTR AIR C/W UNIVERSALS ATT	54.86
CAY-200-10MASS	2"X100' CONTR AIR C/W MINE STEM AND NUT	161.74
CAY-200-HPASS	2"X50'CON. AIR C/W M/F HP 1SPUD	91.54
CAY-200-HPFF	2"X50'CONTR AIR C/W F/F H.P. 2SPUDS	94.52
CAY-200-HPFFDS	2"X50'CONT AIR C/W F/F HP+1 DBL SPUD	93.69
CAY-200-HPFFNS	2"X50'CONT AIR C/W F/F HP NO SPUDS	91.76
CAY-200-MASS	2"X50'CONTR. AIR MINE ASSY	83.74
CAY-200-MASSL	2"X50'CONTR. AIR MINE ASSY XLONG	85.72
CAY-200-UASS	2"X50'CONTR. AIR C/W UNIVERSALS	88.12
CAY-200-VASS	2"X50' CONTR AIR C/W VICTAULIC ENDS	81.44
CAY-300-HPASS	3"X50'CONTR AIR C/W M/F HP+1 FEM SPUD	139.32
CAY-300-HPFFNS	3"X100'CONT AIR F/F HP NO SPUD	237.98
CAY-400-25VASS	4"X25' CONTR AIR C/W VICTAULIC ENDS	93.49
CAY-400-50VASS	4"X50' CONTR AIR C/W VICTAULIC ENDS	161.24

## AIR AND GENERAL PURPOSE HOSE

### AIR

#### SUPER SERVICE AIR



**APPLICATION:**A superior quality mining, construction and industrial hose

**COVER:**Yellow cut and abrasion resistant rubber with blue stripe

**REINFORCEMENT:**Multiple layers of synthetic yarn

**TUBE:**Synthetic oil mist resistant

**TEMPERATURE:**-35C to +80C(-30F to +180F)

Item No	Nom. ID"	Nom. OD"	PSI	Std Pack	Weight#
SSY-050-50	1/2	0.91	400	50'	0.32
SSY-050-100	1/2	0.91	400	100'	0.32
SSY-050-400	1/2	0.91	400	200'	0.32
SSY-075-50	3/4	1.20	400	50'	0.58
SSY-075-100	3/4	1.20	400	100'	0.58
SSY-075-400	3/4	1.20	400	200'	0.58
SSY-100-50	1	1.48	400	50'	0.70
SSY-100-100	1	1.48	400	100'	0.70
SSY-100-400	1	1.48	400	200'	0.70
SSY-125-50	1-1/4	1.73	400	50'	1.07
SSY-125-100	1-1/4	1.73	400	100'	1.07
SSY-125-400	1-1/4	1.73	400	200'	1.07
SSY-150-50	1-1/2	2.05	400	50'	1.20
SSY-150-100	1-1/2	2.05	400	100'	1.20
SSY-150-400	1-1/2	2.05	400	200'	1.20
SSY-200-50	2	2.58	400	50'	1.56
SSY-200-100	2	2.58	400	100'	1.56
SSY-200-400	2	2.58	400	200'	1.56
SSY-250	2-1/2	3.11	400	100'	2.23
SSY-300	3	3.60	400	100'	2.87
SSY-400	4	4.68	400	100'	3.02

**Cut Lengths:** Plus 10%. No cut lengths on 2-1/2" - 3" or 4"

**Standard Length:** 50'/100'

**Product Info:** Please specify length required when ordering, i.e. 50', 100'. Lengths to 200' available, check for pricing and availability

**Recommended Couplings:** High Pressure all sizes, mine stem and nut 1/2" - 2", Universal quick acting 1/2" - 1". Crimplok nipples. Crimplok ground joint. All coupling recommendations are to be used as guidelines and are derived from past user preference. In some cases the preferred coupling is of a lesser pressure rating than the hose. Never exceed the working pressure of the lowest rated component in the assembly.

If you require further assistance with regards to coupling choice, please contact Harco Ent. customer service at 1-800-361-5361

## AIR AND GENERAL PURPOSE HOSE

### AIR

#### SUPER SERVICE AIR ASSEMBLY



Item No	Assembly Description	Weight#
SSY-050-HPASS	1/2"X50'SUPER SERV C/W M/F HP 1SPUD	18.17
SSY-050-MASS	1/2"X50'SUPER SERV MINE ASSY	17.74
SSY-050-UASS	1/2"X 50'SUPER SERV AIR C/W UNIV	17.62
SSY-075-CUASS	3/4"X 50' SUPER SERVICE AIR C/W CRIMP UNIV HOSE ENDS	31.360
SSY-075-HPASS	3/4"X50'SUPER SERV C/W M/F HP 1SPUD	32.61
SSY-075-HPFF	3/4"X50'SUPER SER C/W F/F HP 2SPUDS	34.02
SSY-075-HPUASS	3/4"X 50'SUPER SERV AIR C/W UNIV+HP	31.46
SSY-075-MASS	3/4"X50'SUPER SERV MINE ASSY	30.44
SSY-075-UASS	3/4"X 50'SUPER SERV AIR C/W UNIV	30.26
SSY-075-UASS100	3/4"X 100'SUPER SERV AIR C/W UNIVERSALS	46.36
SSY-100-CUASS	1"X 50' SUPER SERVICE AIR C/W CRIMP UNIV HOSE ENDS	34.500
SSY-100-HPASS	1"X50'SUPER SERV C/W M/F HP 1SPUD	39.64
SSY-100-MASS	1"X50'SUPER SERV MINE ASSY	36.53
SSY-100-MNLASS	1"X50'SUPER SERV LG NUT MINE ASSY	36.94
SSY-100-UASS	1"X 50'SUPER SERV AIR C/W UNIV	36.61
SSY-100-UASS100	1"X 100' SUPER SERV AIR C/W UNIVERSALS	61.68
SSY-125-MASS	1-1/4"X50'SUPER SERV MINE ASSY	53.28
SSY-150-MASS	1-1/2"X50'SUPER SERV MINE ASSY	64.08
SSY-200-HPASS	2"X50'SUPER SERV C/W M/F HP 1SPUD	91.54
SSY-200-HPFF	2"X50'SUPER SERV C/W F/F HP 2SPUDS	94.52
SSY-200-HPFFNS	2"X50'SUPER SERV C/W F/F HP NO SPUD	91.76
SSY-200-MASS	2"X50'SUPER SERV MINE ASSY	83.74
SSY-200-VASS	2"X 50'SUPER SERV+LONG VIC KC ATT	81.44

#### SUPER GREEN ORS



**APPLICATION:**A superior quality mining, construction and industrial hose with oil resistant tube.

**COVER:**Green cut and abrasion resistant rubber.

**REINFORCEMENT:**Multiple layers of synthetic yarn

**TUBE:**Synthetic oil resistant

**TEMPERATURE:**-35C to +80C(-30F to +180F)

Item No	Nom. ID"	Nom. OD"	PSI	Std Pack	Weight#
SGO-050	1/2	0.91	400	100'	0.32
SGO-075	3/4	1.26	400	100'	0.58
SGO-100	1	1.50	400	100'	0.67
SGO-125	1-1/4	1.85	400	100'	1.04
SGO-150	1-1/2	2.09	400	100'	1.20
SGO-200	2	2.60	400	100'	1.56

**Cut Lengths:** Plus 10%.

**Standard Length:** 50'/100'

**Product Info:** Please specify length required when ordering, i.e. 50', 100'. Lengths to 200' available, check for pricing and availability

**Recommended Couplings:** High Pressure all sizes, mine stem and nut 1/2" - 2", Universal quick acting 1/2" - 1". Crimplok nipple, Crimplok ground joint. All coupling recommendations are to be used as guidelines and are derived from past user preference. In some cases the preferred coupling is of a lesser pressure rating than the hose. Never exceed the working pressure of the lowest rated component in the assembly. If you require further assistance with regards to coupling choice, please contact Harco Ent. customer service at 1-800-361-5361

#### SUPER GREEN ORS ASSEMBLY

Item No	Assembly Description	Weight#
SGO-050-MASS	1/2"SUPER GREEN ORS C/W MINE FITTINGS	17.24
SGO-100-MASS	1"SUPER GREEN ORS C/W MINE FITTINGS	36.50

## AIR AND GENERAL PURPOSE HOSE

### AIR

#### SUPER GREEN ORS WITH STATIC WIRE



**APPLICATION:**A superior quality mining, construction and industrial hose with oil resistant tube.

**COVER:**Green cut and abrasion resistant rubber.

**REINFORCEMENT:**Multiple layers of synthetic yarn with static wire

**TUBE:**Synthetic oil resistant

**TEMPERATURE:**-35C to +80C(-30F to +180F)

Item No	Nom. ID"	Nom. OD"	PSI	Std Pack	Weight#
SGOS-050	1/2	0.91	400	100'	0.32
SGOS-075	3/4	1.26	400	100'	0.58
SGOS-100	1	1.50	400	100'	0.67
SGOS-200	2	2.60	400	100'	1.56

**Cut Lengths:** Plus 10%.

**Standard Length:** 50'/100'

**Product Info:** Please specify length required when ordering, i.e. 50', 100'. Lengths to 200' available, check for pricing and availability

**Recommended Couplings:** High Pressure all sizes, mine stem and nut 1/2" - 2", Universal quick acting 1/2" - 1". Crimplok nipple, Crimplok ground joint. All coupling recommendations are to be used as guidelines and are derived from past user preference. In some cases the preferred coupling is of a lesser pressure rating than the hose. Never exceed the working pressure of the lowest rated component in the assembly.

If you require further assistance with regards to coupling choice, please contact Harco Ent. customer service at 1-800-361-5361



## AIR AND GENERAL PURPOSE HOSE

### AIR

#### STEEFLEX AIR



**APPLICATION:** High pressure air service for mining, construction and industrial use. More resistant to external abuse than textile air hose. Mandrel built with sizes below 2" being braided construction and sizes above 2" being spiral ply construction.

**COVER:** Yellow cut and abrasion resistant rubber with red stripe

**REINFORCEMENT:** Multiple layers of high tensile steel cords

**TUBE:** Synthetic oil mist resistant

**TEMPERATURE:** -35C to +80C (-30F to +180F)

Item No	Nom. ID"	Nom. OD"	PSI	Std Pack	Weight#
SFY-050-50	1/2	1.00	1000	50'	0.37
SFY-050-100	1/2	1.00	1000	100'	0.37
SFY-075-50	3/4	1.25	800	50'	0.49
SFY-075-100	3/4	1.25	800	100'	0.49
SFY-100-50	1	1.50	800	50'	0.66
SFY-100-100	1	1.50	800	100'	0.66
SFY-125-50	1-1/4	1.77	600	50'	0.80
SFY-125-100	1-1/4	1.77	600	100'	0.80
SFY-150-50	1-1/2	2.09	600	50'	1.03
SFY-150-100	1-1/2	2.09	600	100'	1.03
SFY-200-50	2	2.60	600	50'	1.51
SFY-200-100	2	2.60	600	100'	1.51
SFY-250	2-1/2	3.15	500	100'	2.12
SFY-300-50	3	3.66	500	50'	3.06
SFY-300-100	3	3.66	500	100'	3.06
SFY-400	4	4.72	400	100'	4.07

**Cut Lengths:** Plus 10%, No cut lengths on 4".

**Standard Length:** 50'/100'

**Product Info:** Please specify length required when ordering, i.e. 50', 100'. Lengths to 200' available, check for pricing and availability

**Recommended Couplings:** High Pressure all sizes, mine stem and nut 1/2" - 2", Universal quick acting 1/2" - 1", Crimplok nipples. All coupling recommendations are to be used as guidelines and are derived from past user preference. In some cases the preferred coupling is of a lesser pressure rating than the hose. Never exceed the working pressure of the lowest rated component in the assembly. If you require further assistance with regards to coupling choice, please contact Harco Ent. customer service at 1-800-361-5361

#### STEEFLEX AIR ASSEMBLY



Item No	Assembly Description	Weight#
SFY-050-MASS	1/2"X 50'STEEFLEX MINE ASSY	19.74
SFY-075-MASS	3/4"X50'STEEFLEX MINE ASSY	25.94
SFY-100-MASS	1"X50'STEEFLEX MINE ASSY	34.53
SFY-125-MASS	1-1/4"X50'STEEFLEX MINE ASSY	41.28
SFY-150-5VASS	1-1/2"X 5' STEEFLEX+ LONG VIC KC ATT	7.99
SFY-150-MASS	1-1/2"X 50'STEEFLEX MINE ASSY	55.58
SFY-150-VASS	1-1/2"X 50' STEEFLEX+ LONG VIC KC ATT	54.34
SFY-200-HPASS	2"X50'STEEFLEX AIR CW M/F HP 1SPUD	89.04
SFY-200-HPFF	2"X50'STEEFLEX AIR CW F/F HP 2SPUD	92.02
SFY-200-HPFFNS	2"X50'STEEFLEX C/W F/F HP NO SPUD	89.26
SFY-200-MASS	2"X 50'STEEFLEX MINE ASSY	81.24
SFY-200-VASS	2"X50'STEEFLEX AIR C/W LONG VICT ATT	78.94
SFY-300-25VASS	3"X25' STEEFLEX AIR C/W LONG VICT ATT	95.42
SFY-300CR-25VASS	3"X25' STEEFLEX AIR C/W CRIMPED VICTUALICS	83.34
SFY-300CR-50VASS	3"X50' STEEFLEX AIR C/W CRIMPED VICTUALICS	159.84
SFY-400-25VASS	4"X25' STEEFLEX AIR C/W LONG VICT ATT	127.59

## AIR AND GENERAL PURPOSE HOSE

### AIR

#### HOT AIR BLOWER HOSE



**APPLICATION:**For conveying hot air from blower to tank on dry bulk trucks.

**COVER:**Black heat and weather resistant EPDM rubber.

**REINFORCEMENT:**High tensile wire helix embedded between layers of heat resistant synthetic fabric.

**TUBE:**Black specially compounded heat resistant EPDM rubber.

**TEMPERATURE:**-40C to +163C(-40F to +350F)

Item No	Nom. ID"	Nom. OD"	PSI	Bend Radius"	Std Pack	Weight#
BLOW-300	3	3.62	150	12.00	100'	1.75
BLOW-400	4	4.65	150	15.00	100'	2.40

**Cut Lengths:** Plus 10%

**Standard Length:** 100'

**Recommended Couplings:** Cam and groove, combination nipples or short shank. Crimplok cam and groove, Crimplok combination nipple. All coupling recommendations are to be used as guidelines and are derived from past user preference. In some cases the preferred coupling is of a lesser pressure rating than the hose. Never exceed the working pressure of the lowest rated component in the assembly.

If you require further assistance with regards to coupling choice, please contact Harco Ent. customer service at 1-800-361-5361

## AIR AND GENERAL PURPOSE HOSE

### AIR

#### OROFLEX AIR/WATER LAYFLAT DISCHARGE



**APPLICATION:**A superior quality, lightweight, highly portable, high pressure air hose. Ideal where excessive oil is a factor. One man can carry 100'.

**COVER:**Yellow abrasion, weather and oil resistant nitrile rubber.

**REINFORCEMENT:**Circular woven high strength polyester yarns.

**TUBE:**Yellow abrasion and oil resistant nitrile rubber.

**TEMPERATURE:**-20C to +80C(0F to +180F)

Item No	Nom. ID"	Nom. OD"	PSI	PSI Water	Std Pack	Weight#
ORO20-075	3/4	0.98	300	400	200'	0.10
ORO20-100	1	1.34	300	400	200'	0.14
ORO20-150	1-1/2	1.86	200	300	200'	0.30
ORO20-200	2	2.36	200	300	200'	0.44
ORO20-300	3	3.40	150	250	200'	0.64
ORO20-400	4	4.40	150	250	200'	0.86

**Cut Lengths:** No Cut Lengths

**Standard Length:** 50'/100'/200'

**Product Info:** Not recommended for Bull Hose use in quarries or other areas where external cutting may occur

**Recommended Couplings:** High Pressure all sizes, mine stem and nut 1/2" - 2"

#### OROFLEX AIR/WATER LAYFLAT DISCHARGE ASSEMBLY

Item No	Assembly Description	Weight#
ORO20-075-UASS	3/4"X50'YELLOW OROFLEX 20 C/W UNIVERSALS	6.23
ORO20-100-MASS	1"X50'YELLOW OROFLEX 20 C/W MINE FITT	8.47
ORO20-100-UASS	1"X100'YELLOW OROFLEX 20 C/W UNIVERSAL	18.00
ORO20-150-MASS	1-1/2"X50'YELLOW OROFLEX 20 C/W MINE FIT	19.00
ORO20-150-PYRO	1-1/2"X50'YELLOW OROFLEX 20 C/W PYROLITE	15.59
ORO20-200-MASS	2"X50'YELLOW OROFLEX 20 C/W MINE FITT	27.64

#### DURAFLEX AIR/WATER LAYFLAT DISCHARGE



**APPLICATION:**A quality, lightweight, highly portable, high pressure air hose. One man can carry 100'.

**COVER:**Yellow abrasion, weather and oil resistant nitrile rubber.

**REINFORCEMENT:**Circular woven high strength polyester yarns.

**TUBE:**Yellow abrasion and oil resistant nitrile rubber.

**TEMPERATURE:**-20C to +80C(0F to +180F)

Item No	Nom. ID"	Nom. OD"	PSI	PSI Water	Std Pack	Weight#
DURFLHD-100	1	1.34	300	400	300'	0.14
DURFLHD-150	1-1/2	1.86	200	300	300'	0.30
DURFLHD-200	2	2.36	200	300	400'	0.44

**Cut Lengths:** No Cut Lengths

**Standard Length:** 200'

**Product Info:** Not recommended for Bull Hose use in quarries or other areas where external cutting may occur

**Recommended Couplings:** High Pressure all sizes. Mine stem and nut 1/2" - 2". All coupling recommendations are to be used as guidelines and are derived from past user preference. In some cases the preferred coupling is of a lesser pressure rating than the hose. Never exceed the working pressure of the lowest rated component in the assembly. If you require further assistance with regards to coupling choice, please contact

Harco Ent. customer service at 1-800-361-5361

## AIR AND GENERAL PURPOSE HOSE

### GENERAL PURPOSE

#### ARCTIC SUPERFLEX GENERAL PURPOSE

ARCTIC SUPERFLEX GENERAL PURPOSE A/S 300 PSI

**APPLICATION:**A premium general purpose hose for conveying air, water, petroleum products and some chemicals under arctic conditions

**COVER:**Blue wrap impression weather and oil resistant synthetic rubber specially compounded for arctic service.

**REINFORCEMENT:**Multiple layers of synthetic yarn with static wire

**TUBE:**Black oil and fuel resistant nitrile rubber specially compounded for arctic service.

**TEMPERATURE:**-54C to +90C (-65F to +195F)

Item No	Nom. ID"	Nom. OD"	PSI	Std Pack	Weight#
GPA-050	1/2	0.84	300	300'	0.35
GPA-075	3/4	1.12	300	300'	0.39
GPA-100	1	1.47	300	200'	0.49
GPA-125	1-1/4	1.78	300	200'	0.61
GPA-150	1-1/2	2.03	300	200'	0.83
GPA-200	2	2.50	300	200'	1.25

**Cut Lengths:** Plus 10%

**Standard Length:** 300' 1/2" - 3/4" , 200' 1-1/4" - 2"

**Recommended Couplings:** High Pressure, Short shank, universal, or Combination nipples all other sizes. All coupling recommendations are to be used as guidelines and are derived from past user preference. In some cases the preferred coupling is of a lesser pressure rating than the hose. Never exceed the working pressure of the lowest rated component in the assembly. If you require further assistance with regards to coupling choice, please contact Harco Ent. customer service at 1-800-361-5361

## AIR AND GENERAL PURPOSE HOSE

### GENERAL PURPOSE

#### CLEAR REINFORCED PVC (FOOD QUALITY)



**APPLICATION:**An economical hose for handling air, water, oil, mild chemicals, and alkalis. Clear wall allows visual inspection of product.

**COVER:**Clear smooth PVC

**REINFORCEMENT:**Multiple layers of synthetic yarns

**TUBE:**Clear smooth PVC

**TEMPERATURE:**-5C to +65C(+25F to +150F)

Item No	Nom. ID"	Nom. OD"	PSI	Std Pack	Weight#
CRPVC-019	3/16	0.38	250	300'	0.05
CRPVC-025	1/4	0.43	250	300'	0.07
CRPVC-025-100	1/4	0.43	250	100'	0.07
CRPVC-031	5/16	0.53	300	300'	0.08
CRPVC-031-100	5/16	0.53	300	100'	0.08
CRPVC-038	3/8	0.59	250	300'	0.09
CRPVC-038-100	3/8	0.59	250	100'	0.09
CRPVC-050	1/2	0.71	250	300'	0.15
CRPVC-050-100	1/2	0.71	250	100'	0.15
CRPVC-063	5/8	0.87	200	200'	0.17
CRPVC-063-100	5/8	0.87	200	100'	0.17
CRPVC-075	3/4	1.02	180	200'	0.23
CRPVC-075-100	3/4	1.02	180	100'	0.23
CRPVC-075-200	3/4	1.02	180	200'	0.23
CRPVC-100	1	1.30	150	200'	0.32
CRPVC-100-100	1	1.30	150	100'	0.32
CRPVC-125	1-1/4	1.61	100	100'	0.58
CRPVC-150	1-1/2	1.89	85	100'	0.69
CRPVC-200	2	2.44	65	100'	1.00

**Cut Lengths:** Plus 10%

**Standard Length:** 3/16"-3/4" 100'/300' coil, 1" 100'/200' coil, 1-1/4"-2" 100' coil

**Product Info:** Compliant with the applicable requirements and standards of FDA USDA 3-A and NSF-51. Please specify length when ordering i.e. 100' or 300'

**Safety Info:** Working pressure ratings are based on 20C (68F). At operating temperature of +65C (150F) reduce working pressure by 50%.

**Recommended Couplings:** Combination nipples, short shank, brass barbed, cam and groove. All coupling recommendations are to be used as guidelines and are derived from past user preference. In some cases the preferred coupling is of a lesser pressure rating than the hose. Never exceed the working pressure of the lowest rated component in the assembly. If you require further assistance with regards to coupling choice, please contact Harco Ent. customer service at 1-800-361-5361

# AIR AND GENERAL PURPOSE HOSE

## GENERAL PURPOSE

### FLEXLITE RED GP 300 PSI HOSE AND ASSEMBLIES



**APPLICATION:**An extremely flexible high quality light weight and abrasion resistant hose for general shop and air tool applications

**COVER:**Red, oil, grease, weather and abrasion resistant nitrile/pvc

**REINFORCEMENT:**Multiple layers of synthetic yarn

**TUBE:**Black nitrile/pvc

**TEMPERATURE:**-30C to +70C(-22F to +158F)

Item No	Assembly Description	Std Pack	Weight#
GPTPR-025		500'	0.08
GPTPR-025-300BM425	1/4"X25' RED GP TPR 300PSI+1/4" MNPT BRASS+HANDLES		2.15
GPTPR-038-300BM5100	3/8"X100' RED GP TPR 300PSI+1/2" MNPT BRASS+HANDLES		12.31
GPTPR-025-300BM825	1/4"X25' RED GP TPR 300PSI+3/8" MNPT BRASS+HANDLES		2.21
GPTPR-025-300BM435	1/4"X35' RED GP TPR 300PSI+1/4" MNPT BRASS+HANDLES		2.95
GPTPR-025-300BM835	1/4"X35' RED GP TPR 300PSI+3/8" MNPT BRASS+HANDLES		3.01
GPTPR-025-300BM450	1/4"X50' RED GP TPR 300PSI+1/4" MNPT BRASS+HANDLES		4.26
GPTPR-025-300BM850	1/4"X50' RED GP TPR 300PSI+3/8" MNPT BRASS+HANDLES		4.21
GPTPR-025-300BM4100	1/4"X100' RED GP TPR 300PSI+1/4" MNPT BRASS+HANDLES		8.65
GPTPR-025-300BM8100	1/4"X100' RED GP TPR 300PSI+3/8" MNPT BRASS+HANDLES		8.21
GPTPR-038		500'	0.12
GPTPR-038-300BM8100	3/8"X100' RED GP TPR 300PSI+3/8" MNPT BRASS+HANDLES		12.10
GPTPR-038-300BM4100	3/8"X100' RED GP TPR 300PSI+1/4" MNPT BRASS+HANDLES		12.10
GPTPR-038-300BM425	3/8"X25' RED GP TPR 300PSI+1/4" MNPT BRASS+HANDLES		3.04
GPTPR-038-300BM525	3/8"X25' RED GP TPR 300PSI+1/2" MNPT BRASS+HANDLES		3.15
GPTPR-038-300BM825	3/8"X25' RED GP TPR 300PSI+3/8" MNPT BRASS+HANDLES		3.11
GPTPR-038-300BM435	3/8"X35' RED GP TPR 300PSI+1/4" MNPT BRASS+HANDLES		4.24
GPTPR-038-300BM835	3/8"X35' RED GP TPR 300PSI+3/8" MNPT BRASS+HANDLES		4.30
GPTPR-038-300BM450	3/8"X50' RED GP TPR 300PSI+1/4" MNPT BRASS+HANDLES		6.10
GPTPR-038-300BM550	3/8"X50' RED GP TPR 300PSI+1/2" MNPT BRASS+HANDLES		6.15
GPTPR-038-300BM850	3/8"X50' RED GP TPR 300PSI+3/8" MNPT BRASS+HANDLES		6.11
GPTPR-050		500'	0.18
GPTPR-050-300BM525	1/2"X25' RED GP TPR 300PSI+1/2" MNPT BRASS+HANDLES		4.85
GPTPR-050-300BM550	1/2"X50' RED GP TPR 300PSI+1/2" MNPT BRASS+HANDLES		9.35
GPTPR-050-300BM850	1/2"X50' RED GP TPR 300PSI+3/8" MNPT BRASS+HANDLES		9.26
GPTPR-050-300BM5100	1/2"X100' RED GP TPR 300PSI+1/2" MNPT BRASS+HANDLES		18.34
GPTPR-050-300BM8100	1/2"X100' RED GP TPR 300PSI+3/8" MNPT BRASS+HANDLES		18.26

**Cut Lengths:** Plus 10%:

**Safety Info:** Working pressure ratings are based on 20C (68F). At operating temperature of +65C (150F) reduce working pressure by 50%.

**Recommended Couplings:** Brass barbed attached with crimped on ferrules. All coupling recommendations are to be used as guidelines and are derived from past user preference. In some cases the preferred coupling is of a lesser pressure rating than the hose. Never exceed the working pressure of the lowest rated component in the assembly. If you require further assistance with regards to coupling choice, please contact Harco Ent. customer service at 1-800-361-5361

**GENERAL PURPOSE****FLEXLITE YELLOW GP 300 PSI HOSE ASSEMBLIES**

**APPLICATION:**An extremely flexible high quality light weight low temperature, abrasion resistant hose for general shop and air tool applications

**COVER:**Specially blended yellow pvc polymer

**REINFORCEMENT:**Multiple layers of synthetic yarn

**TUBE:**Specially blended pvc polymer

**TEMPERATURE:**-40C to +65C(-40F to +150F)

Item No	Assembly Description	Std Pack	Weight#
GPPVC-025		500'	0.07
GPPVC-025-300BM425	1/4"X25' YELLOW GP PVC 300PSI+1/4" MNPT BRASS+HANDLES		1.87
GPPVC-025-300BM435	1/4"X35' YELLOW GP PVC 300PSI+1/4" MNPT BRASS+HANDLES		2.62
GPPVC-025-300BM450	1/4"X50' YELLOW GP PVC 300PSI+1/4" MNPT BRASS+HANDLES		3.74
GPPVC-025-300BM4100	1/4"X100' YELLOW GP PVC 300PSI+1/4" MNPT BRASS+HANDLES		7.48
GPPVC-025-300BM850	1/4"X50' YELLOW GP PVC 300PSI+3/8" MNPT BRASS+HANDLES		3.74
GPPVC-038		500'	0.10
GPPVC-038-300BM425	3/8"X25' YELLOW GP PVC 300PSI+1/4" MNPT BRASS+HANDLES		2.69
GPPVC-038-300BM525	3/8"X25' YELLOW GP PVC 300PSI+1/2" MNPT BRASS+HANDLES		2.75
GPPVC-038-300BM825	3/8"X25' YELLOW GP PVC 300PSI+3/8" MNPT BRASS+HANDLES		2.72
GPPVC-038-300BM435	3/8"X35' YELLOW GP PVC 300PSI+1/4" MNPT BRASS+HANDLES		3.76
GPPVC-038-300BM835	3/8"X35' YELLOW GP PVC 300PSI+3/8" MNPT BRASS+HANDLES		3.82
GPPVC-038-300BM450	3/8"X50' YELLOW GP PVC 300PSI+1/4" MNPT BRASS+HANDLES		5.39
GPPVC-038-300BM550	3/8"X50' YELLOW GP PVC 300PSI+1/2" MNPT BRASS+HANDLES		5.50
GPPVC-038-300BM850	3/8"X50' YELLOW GP PVC 300PSI+3/8" MNPT BRASS+HANDLES		5.45
GPPVC-038-300BM4100	3/8"X100' YELLOW GP PVC 300PSI+1/4" MNPT BRASS+HANDLES		10.59
GPPVC-038-300BM8100	3/8"X100' YELLOW GP PVC 300PSI+3/8" MNPT BRASS+HANDLES		10.62
GPPVC-050		500'	0.13
GPPVC-050-300BM850	1/2"X50' YELLOW GP PVC 300PSI+3/8" MNPT BRASS+HANDLES		8.10
GPPVC-050-300BM550	1/2"X50' YELLOW GP PVC 300PSI+1/2" MNPT BRASS+HANDLES		8.30

**Cut Lengths:** Plus 10%:

**Safety Info:** Working pressure ratings are based on 20C (68F). At operating temperature of +65C (150F) reduce working pressure by 50%.

**Recommended Couplings:** Brass barbed attached with crimped on ferrules. All coupling recommendations are to be used as guidelines and are derived from past user preference. In some cases the preferred coupling is of a lesser pressure rating than the hose. Never exceed the working pressure of the lowest rated component in the assembly. If you require further assistance with regards to coupling choice, please contact Harco Ent. customer service at 1-800-361-5361

## AIR AND GENERAL PURPOSE HOSE

### GENERAL PURPOSE

#### EPDM GENERAL PURPOSE



**APPLICATION:**Air, water, agricultural spray solutions, and other dilute chemicals Excellent resistance to heat and weathering Also resists animal fats, vegetable oils.

**COVER:**Smooth red abrasion and weather resistant EPDM synthetic rubber

**REINFORCEMENT:**Multiple layers of synthetic yarn

**TUBE:**Synthetic oil mist resistant EPDM synthetic rubber

**TEMPERATURE:**-30C to +93C(-20F to +200F)

Item No	Nom. ID"	Nom. OD"	PSI	Std Pack	Weight#
GPE-025-150	1/4	0.50	150	300'	0.09
GPE-025-250	1/4	0.55	250	300'	0.13
GPE-031-150	5/16	0.59	150	300'	0.12
GPE-031-250	5/16	0.63	250	300'	0.16
GPE-038-150	3/8	0.68	150	300'	0.15
GPE-038-200	3/8	0.67	200	300'	0.16
GPE-038-250	3/8	0.70	250	300'	0.19
GPE-050-150	1/2	0.81	150	300'	0.20
GPE-050-200	1/2	0.83	200	300'	0.23
GPE-050-250	1/2	0.87	250	300'	0.27
GPE-063-250	5/8	0.98	250	300'	0.31
GPE-075-150	3/4	1.12	150	300'	0.34
GPE-075-250	3/4	1.16	250	300'	0.42
DR-100-200	1	1.42	200	100'	0.64
GPE-100-200	1	1.42	200	300'	0.54
GPE-125-150	1-1/4	1.77	200	100'	0.81
GPE-125-150-100	1-1/4	1.77	200	100'	0.60
GPE-150-150	1-1/2	2.00	200	100'	0.95
GPE-150-150-100	1-1/2	2.01	200	100'	0.74
GPE-200-150-100	2	2.52	150	100'	0.91
GPE-200-150	2	2.50	200	100'	1.13

**Cut Lengths:** Plus 5%

**Standard Length:** 1/4"- 1" 50'/100'/300' reels approx, 1-1/4" - 1-1/2" 50'/300' reels approx, 2" 50'/100'/300' reels approx

**Recommended Couplings:** High Pressure 1" to 1-1/2" for air service if the working pressure exceeds 150 psi. High Pressure, Short shank, universal, or Combination nipples all other sizes. Crimplok universals. All coupling recommendations are to be used as guidelines and are derived from past user preference. In some cases the preferred coupling is of a lesser pressure rating than the hose. Never exceed the working pressure of the lowest rated component in the assembly. If you require further assistance with regards to coupling choice, please contact Harco Ent. customer service at 1-800-361-5361

#### EPDM GENERAL PURPOSE 300



**APPLICATION:**Air, water, agricultural spray solutions, and other dilute chemicals Excellent resistance to heat and weathering Also resists animal fats, vegetable oils.

**COVER:**Smooth red abrasion and weather resistant EPDM synthetic rubber

**REINFORCEMENT:**Multiple layers of synthetic yarn

**TUBE:**Synthetic oil mist resistant EPDM synthetic rubber

**TEMPERATURE:**-30C to +93C(-20F to +200F)

Item No	Nom. ID"	Nom. OD"	PSI	Std Pack	Weight#
GPE-025-300	1/4	0.55	300	300'	0.14
GPE-038-300	3/8	0.70	300	300'	0.20
GPE-050-300	1/2	0.87	300	300'	0.27
GPE-075-300	3/4	1.16	300	300'	0.44
GPE-100-300	1	1.42	300	300'	0.59

**Cut Lengths:** Plus 5%

**Standard Length:** 300'

**Recommended Couplings:** High Pressure, Short shank, universal, or Combination nipples all other sizes. All coupling recommendations are to be used as guidelines and are derived from past user preference. In some cases the preferred coupling is of a lesser pressure rating than the hose. Never exceed the working pressure of the lowest rated component in the assembly. If you require further assistance with regards to coupling choice, please contact Harco Ent. customer service at 1-800-361-5361



**AIR AND GENERAL PURPOSE HOSE****GENERAL PURPOSE****EPDM GENERAL PURPOSE 200 PSI ASSEMBLY**

Item No	Assembly Description	Weight#
DR-100-200UASS	1"X100' GP EPDM C/W UNIVERSALS	65.58

**EPDM GENERAL PURPOSE 250 PSI ASSEMBLY**

Item No	Assembly Description	Weight#
GPE-025-250BM45	1/4"X50' GEN PURP 250PSI+1/4"BRASS MALES	4.58
GPE-038-250BM42	3/8"X25'GEN PURP 250+3/8"X1/4"BR MALES	4.35
GPE-038-250BM62	3/8"X25'GEN PURP 250PSI+3/8"BRASS MALES	4.39
GPE-038-250BM65	3/8"X50'GEN PURP 250PSI+3/8"BRASS MALES	8.64
GPE-038-250BM04	3/8"X50' GPE 250PSI+1/4"BRASS MALES	9.60
GPE-038-250BM45	3/8x50'GEN PURP+3/8"X1/4" BRASS MALES	8.00
GPE-038-250BM47	3/8x75'GEN PURP+3/8"X1/4" BRASS MALES	12.00
GPE-050-250BM04	1/2"x50' GPE 250+1/2"x1/4"BRASS MALE	13.64
GPE-050-250BM65	1/2"X50'GEN PURP 250+1/2"X3/8"BR MALES	11.22
GPE-050-250BM85	1/2"X50'GEN PURP 250+1/2"X1/2"BR MALES	11.22
GPE-075-250GH50	3/4"x50' EPDM GEN PURP 250PSI CW GHT	21.11
GPE-075-250UASS	3/4"X250PSIX50'GEN PURP.C/W UNIV.	19.28

**GENERAL PURPOSE**

**APPLICATION:**General air-line and water service both in plant and outdoors

**COVER:**Red smooth weather and abrasion resistant synthetic rubber. Over 1-1/4" the cover is wrapped finish.

**REINFORCEMENT:**Multiple layers of synthetic yarns

**TUBE:**Black oil mist resistant synthetic rubber

**TEMPERATURE:**-30C to +80C(-22F to +180F)

Item No	Nom. ID"	Nom. OD"	PSI	Std Pack	Weight#
GP-025-250	1/4	0.55	250	300'	0.13
GP-038-200	3/8	0.67	200	300'	0.16
GP-038-250	3/8	0.70	250	300'	0.24
GP-038-250-50	3/8	0.70	250	50'	0.17
GP-050-200	1/2	0.83	200	300'	0.28
GP-050-250	1/2	0.87	250	300'	0.27
GP-050-250-50	1/2	0.83	200	50'	0.22
GP-063-250	3/4	1.14	150	300'	0.30
GP-075-250	3/4	1.16	250	300'	0.42
GP-100-200	1	1.42	200	300'	0.60
GP-100-200-100	1	1.42	200	100'	0.54
GP-125-150	1-1/4	1.73	150	100'	0.75
GP-150-150	1-1/2	2.05	150	100'	1.04
GP-200-150	2	2.60	150	100'	1.47

**Cut Lengths:** Plus 5%

**Standard Length:** 1/4"- 1" 50'/100'/300'. 1-1/4" - 2" 50'/100'.

**Recommended Couplings:** High Pressure 1"to 1-1/2" for air service if the working pressure exceeds 150 psi. High Pressure, Short shank, universal, or Combination nipples all other sizes. Crimplok universals. All coupling recommendations are to be used as guidelines and are derived from past user preference. In some cases the preferred coupling is of a lesser pressure rating than the hose. Never exceed the working pressure of the lowest rated component in the assembly. If you require further assistance with regards to coupling choice, please contact Harco Ent. customer service at 1-800-361-5361

**GENERAL PURPOSE 150 PSI ASSEMBLY**

Item No	Nom. ID"	Nom. OD"	PSI	Weight#
DECK-150-100	1-1/2	2.05	150	106.84

## AIR AND GENERAL PURPOSE HOSE

### GENERAL PURPOSE

#### GENERAL PURPOSE 200 PSI ASSEMBLY



Item No	Assembly Description	Weight#
DECK-100-50	1"x50' GEN PURP 200WP + SSH BRASS ENDS	25.55
DECK-100-100	1"x100' GEN PURP 200WP + SSH BRASS ENDS	50.55
DECK-125-50	1-1/4"x50' GEN PURP 150WP + LONG SHANKS	33.20
DECK-150-50	1-1/2"x50' GEN PURP 150WP + LONG SHANKS	54.69
GP-038-200BM042	3/8"X25'GEN PURP 200+3/8"X1/4"BR MALES	4.85
GP-038-200BM045	3/8"X50'GEN PURP 200+3/8"X1/4"BR MALES	9.60
GP-038-200BM041	3/8"X100'GEN PURP 200+3/8"X1/4"BR MALES	19.10
GP-050-250BM08	1/2"X50'GEN PURP 250+1/2"X1/2"BR MALES	13.72
GP-100-200DD10	1"X100'X200 PSI RED DIAMOND DRILL ASSY	56.58

#### GENERAL PURPOSE 250 PSI ASSEMBLY



Item No	Assembly Description	Weight#
GP-075-250UASS	3/4"X250PSIX50'GEN PURP.C/W UNIV.	22.23
GP-025-250BM42	1/4"X25'GEN PURP 250PSI+1/4"BRASS MALES	2.33
GP-025-250BM45	1/4"X50' GEN PURP 250PSI+1/4"BRASS MALES	4.58
GP-025-250BM045	1/4"X50'GEN PURP 250PSI+1/4"BRASS MALES	6.58
GP-025-250BM41	1/4"X100' GEN PURP 250PSI+1/4"BRASS MALES	13.80
GP-038-250BM042	3/8"X25'GEN PURP 250+3/8"X1/4"BR MALES	4.85
GP-038-250BM41	3/8"X100'GEN PURP 250+3/8"X1/4"BR MALES	4.35
GP-038-250BM062	3/8"X25'GEN PURP 250PSI+3/8"BRASS MALES	4.89
GP-038-250BM42	3/8"X25'GEN PURP 250+3/8"X1/4"BR MALES	4.35
GP-038-250BM045	3/8x50'GEN PURP+3/8"X1/4" BRASS MALES	9.60
GP-038-250BM065	3/8"X50' GP 250PSI+3/8"BRASS MALES	9.64
GP-038-250BM45	3/8x50'GEN PURP+3/8"X1/4" BRASS MALES	8.00
GP-038-250-HYD5	3/8x50' GP250+3/8"X1/4"BRASS MXFS	9.60
GP-038-250INDMF	3/8"X50' 250PSI GP MXF IND QUICK CON	9.95
GP-038-250BM041	3/8"X100'GEN PURP 250+3/8"X1/4"BR MALES	17.10
GP-038-250BM061	3/8"X100' GP 250PSI+3/8"BRASS MALES	17.14
GP-050-250BM082	1/2"X25'GEN PURP 250+1/2"X1/2"BR MALES	5.72
GP-050-250BM662	1/2"X25'GEN PURP 250+3/8"X3/8"BR MALES	5.64
GP-050-250BM665	1/2"X50'GEN PURP 250+3/8"X3/8"BR MALES	11.14
GP-050-250BM081	1/2"X100'GEN PURP 250+1/2"X1/2"BR MALES	22.22
GP-050-250BM661	1/2"X100'GEN PURP 250+3/8"X3/8"BR MALES	22.14

## AIR AND GENERAL PURPOSE HOSE

### GENERAL PURPOSE

#### JACKHAMMER - AIR



**APPLICATION:**An economical air hose for jackhammer and other uses on construction sites. Also for general industrial use

**COVER:**Yellow or Red smooth cut and abrasion resistant

**REINFORCEMENT:**Multiple layers of synthetic yarn

**TUBE:**Synthetic oil mist resistant

**TEMPERATURE:**-35C to +80C(-30F to +180F)

Item No	Nom. ID"	Nom. OD"	PSI	Std Pack	Weight#
JACK-075	3/4	1.14	300	300'	0.40
JACK-075-50	3/4	1.14	300	50'	0.43

**Cut Lengths:** Plus 5%

**Standard Length:** 50'/300' coils

**Recommended Couplings:** High Pressure, mine stem and nut, Universal quick acting, Crimplok universals. All coupling recommendations are to be used as guidelines and are derived from past user preference. In some cases the preferred coupling is of a lesser pressure rating than the hose. Never exceed the working pressure of the lowest rated component in the assembly. If you require further assistance with regards to coupling choice, please contact Harco Ent. customer service at 1-800-361-5361

#### JACKHAMMER - AIR ASSEMBLY



Item No	Assembly Description	Weight#
JACK-075-CUASS	3/4"X50'JACKHAMMER 300 PSI C/W CRIMP UNIV HOSE END	22.48
JACK-075-UASS	3/4"X50'JACKHAMMER 300 PSI C/W UNIVERSAL	22.73

#### PREMIUM GENERAL PURPOSE - NON CONDUCTIVE



**APPLICATION:**A premium quality long length hose for petroleum based fluids, lubricating oils, air, hot water and some chemical solutions

**COVER:**Red, oil, grease, weather and abrasion resistant nitrile

**REINFORCEMENT:**Multiple layers of synthetic yarn

**TUBE:**Black oil resistant nitrile rubber

**TEMPERATURE:**-32C to +85C(-25F to +185F)

Item No	Nom. ID"	Nom. OD"	PSI	Std Pack	Weight#
PREM-025-300	1/4	0.51	300	300'	0.10
PREM-038-300	3/8	0.67	300	300'	0.17
PREM-050-300	1/2	0.79	300	300'	0.21
PREM-075-300	3/4	1.14	300	300'	0.39
PREM-100-300	1	1.42	300	300'	0.51
PREM-125-250	1-1/4	1.77	250	100'	0.70
PREM-150-250	1-1/2	2.05	250	100'	0.87

**Cut Lengths:** Plus 5%

**Standard Length:** 1/4" - 1" 50'/100'/300'. 1-1/4" - 2" 50'/100'.

**Recommended Couplings:** High Pressure 1"to 1-1/2" for air service if the working pressure exceeds 150 psi. High Pressure, Short shank, universal, or Combination nipples all other sizes. Crimplok universals. All coupling recommendations are to be used as guidelines and are derived from past user preference. In some cases the preferred coupling is of a lesser pressure rating than the hose. Never exceed the working pressure of the lowest rated component in the assembly. If you require further assistance with regards to coupling choice, please contact Harco Ent. customer service at 1-800-361-5361

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**AIR AND GENERAL PURPOSE HOSE****GENERAL PURPOSE****PREMIUM GENERAL PURPOSE 300 PSI ASSEMBLY**

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<b>Item No</b>	<b>Assembly Description</b>	<b>Weight#</b>
PREM-038-BM045	3/8X50'PREM GP+3/8"X1/4"MALE BRASS	8.60
PREM-038-BM065	3/8X50'PREM GP+3/8"X3/8"MALE BRASS	8.64
PREM-100-MASS	1"X50'PREM G.P. C/W MINE FITTINGS	31.50

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## AIR AND GENERAL PURPOSE HOSE

### GENERAL PURPOSE

#### PUSH - ON BLACK



**APPLICATION:**Transmission of most petroleum-based hydraulic fluids, mineral oil, diesel fuel, engine coolant solutions, agricultural sprays and a wide range of chemical solutions. Also suitable for air and water service

**COVER:**Black, oil, weather and abrasion resistant Neoprene.

**REINFORCEMENT:**Multiple layers of polyester yarns.

**TUBE:**Black oil resistant nitrile rubber.

**TEMPERATURE:**-32C to +80C(-25F to +180F)

Item No	Nom. ID"	Nom. OD"	PSI	Std Pack	Weight#
PON-025-B	1/4	0.50	250	700'	0.10
PON-038-B	3/8	0.63	250	700'	0.14
PON-050-B	1/2	0.75	250	700'	0.17
PON-063-B	5/8	0.91	250	700'	0.19
PON-075-B	3/4	1.03	250	500'	0.19

**Cut Lengths:** Plus 5%

**Standard Length:** Supplied on reels

**Recommended Couplings:** Push-on

#### PUSH - ON BLUE



**APPLICATION:**Transmission of most petroleum-based hydraulic fluids, mineral oil, diesel fuel, engine coolant solutions, agricultural sprays and a wide range of chemical solutions. Also suitable for air and water service

**COVER:**Black, oil, weather and abrasion resistant Neoprene.

**REINFORCEMENT:**Multiple layers of polyester yarns.

**TUBE:**Black oil resistant nitrile rubber.

**TEMPERATURE:**-32C to +80C(-25F to +180F)

Item No	Nom. ID"	Nom. OD"	PSI	Std Pack	Weight#
PON-025-BL	1/4	0.50	250	700'	0.10
PON-025-BL250	1/4	0.50	250	250'	0.10
PON-038-BL	3/8	0.63	250	700'	0.14
PON-038-BL250	3/8	0.63	250	250'	0.14
PON-050-BL	1/2	0.75	250	700'	0.17
PON-075-BL	3/4	1.03	300	500'	0.19

**Cut Lengths:** Plus 5%

**Standard Length:** Supplied on reels

**Recommended Couplings:** Push-on

#### PUSH - ON GREEN



**APPLICATION:**Transmission of most petroleum-based hydraulic fluids, mineral oil, diesel fuel, engine coolant solutions, agricultural sprays and a wide range of chemical solutions. Also suitable for air and water service

**COVER:**Black, oil, weather and abrasion resistant Neoprene.

**REINFORCEMENT:**Multiple layers of polyester yarns.

**TUBE:**Black oil resistant nitrile rubber.

**TEMPERATURE:**-32C to +80C(-25F to +180F)

Item No	Nom. ID"	Nom. OD"	PSI	Std Pack	Weight#
PON-025-GR	1/4	0.50	250	700'	0.10
PON-038-GR	3/8	0.63	250	700'	0.14
PON-050-GR250	1/2	0.75	250	250'	0.17

**Cut Lengths:** Plus 5%

**Standard Length:** Supplied on reels

**Recommended Couplings:** Push-on

## AIR AND GENERAL PURPOSE HOSE

### GENERAL PURPOSE

#### PUSH - ON GREY



**APPLICATION:**Transmission of most petroleum-based hydraulic fluids, mineral oil, diesel fuel, engine coolant solutions, agricultural sprays and a wide range of chemical solutions. Also suitable for air and water service

**COVER:**Black, oil, weather and abrasion resistant Neoprene.

**REINFORCEMENT:**Multiple layers of polyester yarns.

**TUBE:**Black oil resistant nitrile rubber.

**TEMPERATURE:**-32C to +80C(-25F to +180F)

Item No	Nom. ID"	Nom. OD"	PSI	Std Pack	Weight#
PON-025-G	1/4	0.50	250	700'	0.10
PON-025-G250	1/4	0.50	250	250'	0.10
PON-038-G	3/8	0.63	250	700'	0.14
PON-038-G250	3/8	0.63	250	250'	0.14
PON-050-G	1/2	0.75	250	700'	0.17
PON-050-G250	1/2	0.75	250	250'	0.17

**Cut Lengths:** Plus 5%

**Standard Length:** Supplied on reels

**Recommended Couplings:** Push-on

#### PUSH - ON RED



**APPLICATION:**Transmission of most petroleum-based hydraulic fluids, mineral oil, diesel fuel, engine coolant solutions, agricultural sprays and a wide range of chemical solutions. Also suitable for air and water service

**COVER:**Black, oil, weather and abrasion resistant Neoprene.

**REINFORCEMENT:**Multiple layers of polyester yarns.

**TUBE:**Black oil resistant nitrile rubber.

**TEMPERATURE:**-32C to +80C(-25F to +180F)

Item No	Nom. ID"	Nom. OD"	PSI	Std Pack	Weight#
PON-025-R	1/4	0.50	250	700'	0.10
PON-025-R250	1/4	0.50	250	250'	0.10
PON-038-R	3/8	0.63	250	700'	0.14
PON-038-R250	3/8	0.63	250	250'	0.14
PON-050-R	1/2	0.75	250	700'	0.17
PON-050-R250	1/2	0.75	250	250'	0.17
PON-075-R	3/4	1.03	300	500'	0.19

**Cut Lengths:** Plus 5%

**Standard Length:** Supplied on reels

**Recommended Couplings:** Push-on

## AIR AND GENERAL PURPOSE HOSE

### GENERAL PURPOSE

#### PUSH - ON YELLOW



**APPLICATION:**Transmission of most petroleum-based hydraulic fluids, mineral oil, diesel fuel, engine coolant solutions, agricultural sprays and a wide range of chemical solutions. Also suitable for air and water service

**COVER:**Black, oil, weather and abrasion resistant Neoprene.

**REINFORCEMENT:**Multiple layers of polyester yarns.

**TUBE:**Black oil resistant nitrile rubber.

**TEMPERATURE:**-32C to +80C(-25F to +180F)

Item No	Nom. ID"	Nom. OD"	PSI	Std Pack	Weight#
PON-025-Y	1/4	0.50	250	700'	0.10
PON-038-Y	3/8	0.63	250	700'	0.14
PON-038-Y250	3/8	0.63	250	250'	0.14
PON-050-Y	1/2	0.75	250	700'	0.17
PON-050-Y250	1/2	0.75	250	250'	0.17

**Cut Lengths:** Plus 5%

**Standard Length:** Supplied on reels

**Recommended Couplings:** Push-on

### SELF-STORING AIR-URETHANE



**COVER:**Blue polyurethane, highly kink and abrasion and flex resistant. Superior in every way to regular nylon self storing hose.

**TEMPERATURE:**-40C to +77C(-40F to +170F)

Item No	Assembly Description	Nom. OD"	PSI	Weight#
SSU-025-15	1/4"X15'URETHANE SELF STORING	0.38	120	0.03
SSU-025-25	1/4"X25'URETHANE SELF STORING	0.38	120	0.03
SSU-038-25	3/8"X25'URETHANE SELF STORING	0.56	100	0.07
SSU-038-50	3/8"X50'URETHANE SELF STORING	0.56	100	0.07
SSU-050-50	1/2"X50'URETHANE SELF STORING	0.63	100	0.12

### SELF-STORING AIR-URETHANE ASSEMBLY



Item No	Assembly Description	Nom. OD"	PSI	Weight#
SSU-025-10ASS	1/4"X10'URETHANE SELF STORING ASSY	0.38	120	0.50
SSU-025-15ASS	1/4"X15'URETHANE SELF STORING ASSY	0.38	120	0.07
SSU-025-20ASS	1/4"X20'URETHANE SELF STORING ASSY	0.38	120	0.90
SSU-025-25ASS	1/4"X25'URETHANE SELF STORING ASSY	0.38	120	0.11
SSU-025-50ASS	1/4"X50'URETHANE SELF STORING ASSY	0.38	120	0.20
SSU-038-10ASS	3/8"X10'URETHANE SELF STORING ASSY	0.56	100	0.01
SSU-038-15ASS	3/8"X15'URETHANE SELF STORING ASSY	0.56	100	1.40
SSU-038-20ASS	3/8"X20'URETHANE SELF STORING ASSY	0.56	100	1.30
SSU-038-25ASS	3/8"X25'URETHANE SELF STORING ASSY	0.56	100	1.80
SSU-038-50ASS	3/8"X50'URETHANE SELF STORING ASSY	0.56	100	3.50
SSU-050-25ASS	1/2"X25'URETHANE SELF STORING ASSY	0.63	100	0.03
SSU-050-50ASS	1/2"X50'URETHANE SELF STORING ASSY	0.63	100	0.12

## AIR AND GENERAL PURPOSE HOSE

### GENERAL PURPOSE

#### SELF-STORING AIR-NYLON



Item No	Assembly Description	Nom. OD"	PSI	Weight#
SSA-025	1/4" SELF-STOR AIR	0.31	200	0.02
SSA-025-100	1/4" X 100' SELF-STOR ASSY	0.31	200	2.06
SSA-025-12	1/4"X12.5'SELF-STOR ASSY	0.31	200	0.31
SSA-025-25	1/4"X25' SELF-STOR ASSY	0.31	200	0.56
SSA-025-50	1/4" X 50' SELF-STOR ASSY	0.31	200	1.06
SSA-025-75	1/4" X 75' SELF-STOR ASSY	0.31	200	1.56
SSA-025-FIT	1/4" SELF-STOR MALE SWIVEL	0.31	200	0.03
SSA-038	3/8" SELF-STOR AIR	0.47	200	0.03
SSA-038-100	3/8" X 100' SELF-STOR ASSY	0.47	200	3.08
SSA-038-12	3/8" X 12.5' SELF-STOR ASSY	0.47	200	0.46
SSA-038-25	3/8" X 25' SELF-STOR ASSY	0.47	200	0.83
SSA-038-50	3/8" X 50' SELF-STOR ASSY	0.47	200	1.58
SSA-038-75	3/8" X 75' SELF-STOR ASSY	0.47	200	2.33
SSA-038-FIT	3/8" SELF-STOR MALE SWIVEL	0.47	200	0.04
SSA-050	1/2" SELF-STOR AIR	0.63	150	0.06
SSA-050-100	1/2" X 100' SELF-STOR ASSY	0.63	150	6.14
SSA-050-12	1/2" X 12.5' SELF-STOR ASSY	0.63	150	0.89
SSA-050-25	1/2" X 25' SELF-STOR ASSY	0.63	150	1.64
SSA-050-50	1/2" X 50' SELF-STOR ASSY	0.63	150	3.14
SSA-050-65-ASS	1/2" X 65' SELF STORING ASSEMBLY	0.63	150	3.90
SSA-050-75	1/2" X 75' SELF-STOR ASSY	0.63	150	4.92
SSA-050-FIT	1/2" SELF-STOR MALE SWIVEL	0.63	150	0.07
SSA-075	3/4" SELF-STOR AIR	0.88	125	0.09
SSA-075-25	3/4" X 25' SELF-STOR ASSY ORANGE	0.88	125	3.00
SSA-075-50MM	3/4"X50' NYLON MM SELF STORE AIR HOSE	50mm	125	6.50
SSA-075-FIT	3/4" SELF-STOR MALE SWIVEL	0.88	125	0.10

## AUTO TRUCK AND MARINE HOSE

### AUTO TRUCK/MARINE

#### AUTO HEATER



**APPLICATION:**For use in general industrial and automotive service

**COVER:**Black heat and weather resistant EPDM rubber.

**REINFORCEMENT:**Two layers of synthetic yarns.

**TUBE:**Black heat resistant EPDM synthetic rubber. Resistant to anti-freeze solutions.

**TEMPERATURE:**-35C to +105C(-30F to +220F)

Item No	Nom. ID"	Nom. OD"	PSI	Std Pack	Weight#
AUTO-050	1/2	0.79	60	300'	0.21
AUTO-063	5/8	0.91	60	300'	0.23
AUTO-075	3/4	1.06	50	300'	0.34
AUTO-100	1	1.38	50	300'	0.52

**Cut Lengths:** Plus 10%

**Standard Length:** 50'/300' coils

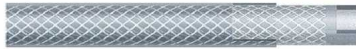
**Recommended Couplings:** Barbed short shank, combination nipples



# AUTO TRUCK AND MARINE HOSE

## AUTO TRUCK/MARINE

### CLEAR REINFORCED PVC (FOOD QUALITY)



**APPLICATION:**An economical hose for handling air, water, oil, mild chemicals, and alkalis. Clear wall allows visual inspection of product.

**COVER:**Clear smooth PVC

**REINFORCEMENT:**Multiple layers of synthetic yarns

**TUBE:**Clear smooth PVC

**TEMPERATURE:**-5C to +65C(+25F to +150F)

Item No	Nom. ID"	Nom. OD"	PSI	Std Pack	Weight#
CRPVC-019	3/16	0.38	250	300'	0.05
CRPVC-025	1/4	0.43	250	300'	0.07
CRPVC-025-100	1/4	0.43	250	100'	0.07
CRPVC-031	5/16	0.53	300	300'	0.08
CRPVC-031-100	5/16	0.53	300	100'	0.08
CRPVC-038	3/8	0.59	250	300'	0.09
CRPVC-038-100	3/8	0.59	250	100'	0.09
CRPVC-050	1/2	0.71	250	300'	0.15
CRPVC-050-100	1/2	0.71	250	100'	0.15
CRPVC-063	5/8	0.87	200	200'	0.17
CRPVC-063-100	5/8	0.87	200	100'	0.17
CRPVC-075	3/4	1.02	180	200'	0.23
CRPVC-075-100	3/4	1.02	180	100'	0.23
CRPVC-075-200	3/4	1.02	180	200'	0.23
CRPVC-100	1	1.30	150	200'	0.32
CRPVC-100-100	1	1.30	150	100'	0.32
CRPVC-125	1-1/4	1.61	100	100'	0.58
CRPVC-150	1-1/2	1.89	85	100'	0.69
CRPVC-200	2	2.44	65	100'	1.00

**Cut Lengths:** Plus 10%

**Standard Length:** 3/16"-3/4" 100'/300' coil, 1" 100'/200' coil, 1-1/4"-2" 100' coil

**Product Info:** Compliant with the applicable requirements and standards of FDA USDA 3-A and NSF-51. Please specify length when ordering i.e. 100' or 300'

**Safety Info:** Working pressure ratings are based on 20C (68F). At operating temperature of +65C (150F) reduce working pressure by 50%.

**Recommended Couplings:** Combination nipples, short shank, brass barbed, cam and groove. All coupling recommendations are to be used as guidelines and are derived from past user preference. In some cases the preferred coupling is of a lesser pressure rating than the hose. Never exceed the working pressure of the lowest rated component in the assembly. If you require further assistance with regards to coupling choice, please contact Harco Ent. customer service at 1-800-361-5361

# AUTO TRUCK AND MARINE HOSE

## AUTO TRUCK/MARINE GARAGE EXHAUST HOSE



**APPLICATION:** Garage Exhaust hose is manufactured in 11' lengths. An all rubber construction results in a crush-proof product. Heat resistant EPDM rubber resists high TEMPERATURE of exhaust emissions. An exclusive patented design allows you to splice, connect and re-connect 2", 3" and 4" hose as needed. Hose sizes in 5" and 6" require a slice connector.

**COVER:** High temperature EPDM

**TEMPERATURE:** up to 400F(600F Intermittent)

Item No	Assembly Description	Std Pack	Weight#
GXC-200	2" X11' GARAGE EXHAUST FLT200	11'	7.00
GXC-250	2-1/2"X11' GARAGE EXHAUST FLT250	11'	7.00
GXC-300	3"X11' GARAGE EXHAUST FLT300	11'	9.40
GXC-400	4"X11' GARAGE EXHAUST FLT400	11'	16.00
GXC-500	5"X11' GARAGE EXHAUST ACT500	11'	21.00
GXC-600	6" X11' GARAGE EXHAUST ACT600	11'	6.00
GXC-ACT600	6" x 11' ACT HOSE NONWIRE ACT600	11'	26.00
GXC-AEL60	6" ALUMINUM OVERHEAD ELBOW AEL60	11'	42.00
GXC-DE	DIESEL ELBOW ADAPTER AEL50	1	6.00
GXC-DP	DOOR PORT DF25	1	1.08
GXC-DP3	3" DOOR PORT ADF30	1	1.30
GXC-DS4	4"DIESEL STACK ADAPTER RUBBER DSR600	1	4.00
GXC-DS5	5" DIESEL STACK ADAPTER RUBBER DSR600	1	5.00
GXC-DX	DUAL EXHAUST ADAPTER F475	1	1.66
GXC-DX5	DUAL EXHAUST ADAPTER F575	1	1.66
GXC-TA	TAIL PIPE ADAPTER	1	1.16
GXC-UA	UNIVERSAL ADAPTER RA250	1	1.42
GXC-YA	2-1/2" Y-ADAPTER RY25	1	4.00
GXC-YA4	4" Y-ADAPTER ALUMINUM AY40	1	4.25
GXC-YR	3" Y-ADAPTER RUBBER RY30	1	2.00

# AUTO TRUCK AND MARINE HOSE

## AUTO TRUCK/MARINE

### MARINE EXHAUST HARDWALL



**APPLICATION:** Marine exhaust applications, and other general applications where non-standard sizes are specified. Meets SAEJ 2006 R1

**COVER:** Black heat and weather resistant synthetic rubber with blue identification stripe.

**REINFORCEMENT:** High tensile wire helix embedded between layers of textile cords.

**TUBE:** Black heat resistant rubber specially compounded for wet marine exhaust service.

**TEMPERATURE:** -40C to +100C (-40F to +212F)

Item No	Nom. ID"	Nom. OD"	Std Pack	Weight#
MXH-088	7/8	1.25	100'	0.50
MXH-100	1	1.38	100'	0.57
MXH-113	1-1/8	1.40	100'	0.58
MXH-125	1-1/4	1.69	100'	0.75
MXH-131	1-5/16	1.60	100'	0.73
MXH-138	1-3/8	1.81	100'	0.82
MXH-150	1-1/2	1.81	100'	0.75
MXH-163	1-5/8	1.97	100'	1.05
MXH-175	1-3/4	2.09	100'	1.06
MXH-188	1-7/8	2.20	100'	1.10
MXH-200	2	2.32	100'	1.33
MXH-213	2-1/8	2.50	100'	1.39
MXH-225	2-1/4	2.60	100'	1.54
MXH-238	2-3/8	2.68	100'	1.98
MXH-250	2-1/2	2.81	100'	1.82
MXH-263	2-5/8	3.00	100'	2.06
MXH-288	2-7/8	3.35	100'	2.08
MXH-300	3	3.54	100'	2.12
MXH-313	3-1/8	3.70	100'	2.35
MXH-350	3-1/2	4.09	100'	2.77
MXH-400	4	4.57	100'	3.22
MXH-413	4-1/8	4.64	100'	2.75
MXH-450	4-1/2	5.12	100'	3.88
MXH-500	5	5.55	100'	3.59

**Cut Lengths:** Plus 10%

**Standard Length:** 100'

### FUEL LINE



**APPLICATION:** Fuel and vapour emission lines, meets SAE 30R7 specification and is USCG Type B and BIA approved.

**COVER:** Black heat and fuel resistant Hypalon.

**REINFORCEMENT:** Two layers of synthetic yarns.

**TUBE:** Black fuel resistant nitrile rubber.

**TEMPERATURE:** -40C to +120C (-40F to +250F)

Item No	Nom. ID"	Nom. OD"	PSI	Std Pack	Weight#
FUEL-019	3/16	0.43	75	300'	0.08
FUEL-025	1/4	0.49	50	300'	0.10
FUEL-031	5/16	0.58	50	300'	0.13
FUEL-038	3/8	0.63	50	300'	0.13

**Cut Lengths:** Plus 5%

**Standard Length:** 300' coils:

**Recommended Couplings:** Barbed short shank, combination nipples.

# AUTO TRUCK AND MARINE HOSE

## AUTO TRUCK/MARINE

### MARINE EXHAUST SOFTWALL



**APPLICATION:** Marine exhaust applications, and other general applications where non-standard sizes are specified. Meets SAEJ 2006 R1

**COVER:** Black heat and weather resistant synthetic rubber with blue identification stripe.

**REINFORCEMENT:** Multiple plies of synthetic fabric

**TUBE:** Black heat resistant rubber specially compounded for wet marine exhaust service.

**TEMPERATURE:** -40C to +100C (-40F to +212F)

Item No	Nom. ID"	Nom. OD"	Std Pack	Weight#
MXS-088	7/8	1.26	100'	0.47
MXS-100	1	1.38	100'	0.49
MXS-113	1-1/8	1.50	100'	0.49
MXS-125	1-1/4	1.69	100'	0.68
MXS-131	1-5/16	1.73	100'	0.70
MXS-138	1-3/8	1.81	100'	0.77
MXS-150	1-1/2	1.93	100'	0.79
MXS-163	1-5/8	2.13	100'	0.95
MXS-175	1-3/4	2.20	100'	0.93
MXS-188	1-7/8	2.32	100'	1.01
MXS-200	2	2.50	100'	1.21
MXS-213	2-1/8	2.62	100'	1.25
MXS-225	2-1/4	2.76	100'	1.38
MXS-238	2-3/8	2.91	100'	1.55
MXS-250	2-1/2	3.05	100'	1.63
MXS-263	2-5/8	3.23	100'	1.67
MXS-288	2-7/8	3.42	100'	1.75
MXS-300	3	3.54	100'	1.63
MXS-313	3-1/8	3.70	100'	2.09
MXS-350	3-1/2	4.09	100'	2.41
MXS-400	4	4.57	100'	2.45
MXS-413	4-1/8	4.13	100'	2.30
MXS-450	4-1/2	5.12	100'	3.42
MXS-500	5	5.68	100'	3.01

**Cut Lengths:** Plus 10%

**Standard Length:** 100'

### MARINE FUEL FILL - HARDWALL



**APPLICATION:** For use in all marine fuel fill applications. Meets S.A.E. J1527 type A2.

**COVER:** Black oil and weather resistant synthetic rubber with blue stripe.

**REINFORCEMENT:** A high tensile steel helix wire embedded between textile cords.

**TUBE:** Black oil and fuel resistant nitrile rubber.

**TEMPERATURE:** -40C to +80C (-40F to +180F)

Item No	Nom. ID"	Nom. OD"	Vacuum	PSI	Bend Radius"	Std Pack	Weight#
MFH-150	1-1/2	1.85	28	150	3.00	100'	0.62
MFH-163	1-5/8	2.01	28	150	3.50	100'	0.88
MFH-175	1-3/4	2.13	28	150	4.00	100'	0.93
MFH-188	1-7/8	2.28	28	150	6.00	100'	0.99
MFH-200	2	2.40	28	150	8.00	100'	1.04
MFH-213	2-1/8	2.52	28	150	8.50	100'	1.02
MFH-225	2-1/4	2.64	28	150	9.00	100'	1.15
MFH-238	2-3/8	2.76	28	150	10.00	100'	1.20

**Cut Lengths:** Plus 10%

**Standard Length:** 100'

# AUTO TRUCK AND MARINE HOSE

## AUTO TRUCK/MARINE

### SILICONE COOLANT HOSE



**APPLICATION:** Truck and bus fleets and other areas where long service life under high temperature conditions is required.

**COVER:** Blue heat and weather resistant silicone with wrapped impression finish.

**REINFORCEMENT:** Multiple plies of polyester fabric.

**TUBE:** Red heat resistant silicone.

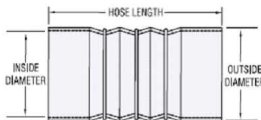
**TEMPERATURE:** -54C to +177C(-65F to +350F)

Item No	Nom. ID"	Nom. OD"	PSI	Std Pack	Weight#
SILC-038	3/8	0.75	110	12'	0.20
SILC-050	1/2	0.88	110	12'	0.25
SILC-063	5/8	1.00	110	12'	0.30
SILC-075	3/4	1.13	110	12'	0.33
SILC-088	7/8	1.26	110	12'	0.40
SILC-100	1	1.38	90	12'	0.43
SILC-106	1-1/16	1.44	90	12'	0.45
SILC-113	1-1/8	1.51	90	12'	0.47
SILC-125	1-1/4	1.63	85	12'	0.53
SILC-131	1-5/16	1.69	85	12'	0.55
SILC-138	1-3/8	1.76	85	12'	0.58
SILC-150	1-1/2	1.88	80	12'	0.60
SILC-163	1-5/8	2.00	80	12'	0.60
SILC-175	1-3/4	2.13	80	12'	0.68
SILC-187	1-7/8	2.26	80	12'	0.68
SILC-200	2	2.38	75	12'	0.78
SILC-213	2-1/8	2.50	75	12'	0.87
SILC-225	2-1/4	2.63	65	12'	0.87
SILC-238	2-3/8	2.76	65	12'	0.90
SILC-250	2-1/2	2.88	65	12'	0.93
SILC-263	2-5/8	3.00	60	12'	1.00
SILC-275	2-3/4	3.13	50	12'	1.03
SILC-300	3	3.38	50	12'	1.13
SILC-350	3-1/2	3.88	35	12'	1.37
SILC-400	4	4.38	35	12'	1.53
SILC-450	4-1/2	4.88	25	12'	1.68
SILC-500	5	5.38	25	12'	1.88
SILC-550	5-1/2	5.88	20	12'	2.13
SILC-600	6	6.38	20	12'	2.20

**Cut Lengths:** No Cut Lengths

**Standard Length:** 4'/12'

### SILICONE TURBO HUMP HOSE



**APPLICATION:** Truck and bus fleets and other areas where long service life under high temperature conditions is required. Designed and engineered to provide a connection between engine mounted charge air systems components. Ideal for slight misalignments and isolating vibration between hose ends.

**COVER:** Blue (Cold Side) and Red (Hot Side -H) heat and weather resistant silicone. 316 stainless steel restraining rings reduce swell and increased hoop strength.

**REINFORCEMENT:** 4 ply polyester fabric for Cold Side application. 4 ply silicone aramid reinforced for Hot Side application (-H)

**TUBE:** Blue (Cold Side) and Red (Hot Side) heat resistant silicone.

**TEMPERATURE:** -54C to +177C(-65F to +350F) for Cold Side : -54C to +260C(-65F to +500F) for Hot Side (-H)

Item No	Nom. ID"	Nom. OD"	Std Pack
SILT-300	3	3.26	6.00"
SILT-350-H	3-1/2	3.72	6.00"
SILT-400	4	4.26	6.00"
SILT-400-H	4	4.22	6.00"
SILT-500-H	5	5.22	6.00"

# AUTO TRUCK AND MARINE HOSE

## AUTO TRUCK/MARINE

### SILICONE HEATER HOSE



**APPLICATION:** Truck and bus fleets and other areas where long service life under high temperature conditions is required.

**COVER:** Blue heat and weather resistant silicone.

**REINFORCEMENT:** Multiple plies of polyester fabric.

**TUBE:** Red heat resistant silicone.

**TEMPERATURE:** -54C to +177C (-65F to +350F)

Item No	Nom. ID"	Nom. OD"	PSI	Std Pack	Weight#
SILH-025	1/4	0.50	75	250'	0.08
SILH-031	5/16	0.58	65	250'	0.06
SILH-038	3/8	0.66	65	250'	0.10
SILH-050	1/2	0.80	65	250'	0.15
SILH-063	5/8	0.97	65	250'	0.25
SILH-075	3/4	1.13	50	250'	0.30
SILH-100	1	1.42	45	100'	0.45

**Cut Lengths:** Plus 5%

**Standard Length:** 25'/50' or reels.

**Recommended Couplings:** Barbed short shank, combination nipples

### SPIRAL HOSE SHIELD



**APPLICATION:** Spiral hose shield is a safe, effective and economical way to protect single or multiple hose bundles from excess abrasion and damage.

**TEMPERATURE:** Withstands high temperatures of 175F and has a tensile strength of over 4,300 psi at -40F.

Item No	Nom. ID"	Nom. OD"	Wall Thickness"	Std Pack
SHS-2530-BP	25-30	0.98-1.18	2.5	100'
SHS-3540-BP	35-40	1.38-1.57	3.5	100'
SHS-4560-BP	45-60	1.77-2.36	3.5	66'
SHS-7490-BP	74-90	2.91-3.54	4	50'
SHS-100140-BP	100-140	3.93-5.50	5	25'

### HOSE WRAP



Item No	Nom. ID"	Std Pack	Weight#
WRAP-450	4-1/2	300'	0.26
WRAP-550	5-1/2	300'	0.30

# DUCTING

## DUCTING - AIR HANDLING

### 1PNEPW



**APPLICATION:**Wide pitch, Neoprene impregnated cotton fabric with enclosed spring steel wire helix. Built with polyester fabric reinforcement for better moisture resistance. Ideal for applications where maximum flexibility and retractibility are required.

**TEMPERATURE:**-40C to +121C(-40F to +250F)

Item No	Nom. ID"	PSI	Bend Radius"	Std Pack	Weight#
1PNEPW-400	4	13	3.00	25'	0.29
1PNEPW-500	5	10	3.25	25'	0.45
1PNEPW-600	6	8	3.50	25'	0.53
1PNEPW-800	8	6	5.00	25'	0.70
1PNEPW-1000	10	4	6.50	25'	0.78
1PNEPW-1200	12	3	7.50	25'	1.03
1PNEPW-1400	14	3	8.50	25'	1.08
1PNEPW-1600	16	2	9.50	25'	1.24
1PNEPW-1800	18	2	10.50	25'	1.39
1PNEPW-2000	20	1	12.00	25'	1.54
1PNEPW-2200	22	1	12.50	25'	1.69
1PNEPW-2400	24	1	13.00	25'	1.85

### 1PNRP

### 1PNRPW



**APPLICATION:**Same construction as 1PN-EP but special construction methods result in a duct that retracts to 10% of its extended length automatically. Available with wear strip

**TEMPERATURE:**-40C to +121C(-40F to +250F)

Item No	Nom. ID"	PSI	Bend Radius"	Std Pack	Weight#
1PNRPW-400	4	13	3.00	25'	0.29
1PNRPW-500	5	10	3.25	25'	0.45
1PNRPW-600	6	8	3.50	25'	0.53
1PNRPW-800	8	6	5.00	25'	0.70
1PNRPW-1000	10	4	6.50	25'	0.78
1PNRPW-1200	12	3	7.50	25'	1.03
1PNRPW-1400	14	3	8.50	25'	1.08
1PNRPW-1600	16	2	9.50	25'	1.24
1PNRPW-1800	18	2	10.50	25'	1.39
1PNRPW-2000	20	1	12.00	25'	1.54
1PNRPW-2200	22	1	12.50	25'	1.69
1PNRPW-2400	24	1	13.00	25'	1.85

# DUCTING

## DUCTING - AIR HANDLING

### 1PVEPW



**APPLICATION:** Similar construction in PVC as 1PN-EP but special construction methods result in a duct that retracts to 10% of its extended length automatically. Available with wear strip  
**TEMPERATURE:** -20C to +80C (-20F to +180F)

Item No	Nom. ID"	PSI	Bend Radius"	Std Pack	Weight#
BAG-1200-25	12	3	7.50	25'	25.25
1PVEPW-1200	12	3	7.50	25'	25.25
1PVEPW-1600	16	2	9.50	25'	6.80
1PVEPW-2000	20	1	12.00	25'	9.30
1PVEPW-2400	24	1	13.00	25'	45.00

### L1 FLEX FLYTE



**APPLICATION:** Can be spliced. Neoprene-coated fiberglass fabric cover, corrosion resistant steel wire helix. Neoprene coated fiberglass cord for additional reinforcement, lightweight, maximum flexibility. Neoprene coated fiberglass liner for increase air flow. Meets UL-940VO flammability and UL478. Can be spliced for longer lengths  
**TEMPERATURE:** -54C to +121C (-65F to +250F)

Item No	Nom. ID"	Nom. OD"	Vacuum	PSI	Bend Radius"	Wall Thickness"	Std Pack	Weight#
L1-125	1-1/4	1.37	26	26	1.22	0.023	12'	0.34
L1-150	1-1/2	1.62	24	25	1.45	0.023	12'	0.34
L1-175	1-3/4	1.87	22	23	1.68	0.023	12'	0.34
L1-200	2	2.12	20	24	1.88	0.023	12'	0.34
L1-225	2-1/4	2.39	19	21	2.18	0.023	12'	0.34
L1-250	2-1/2	2.65	18	20	2.38	0.023	12'	0.34
L1-300	3	3.15	16	19	2.90	0.023	12'	0.50
L1-350	3-1/2	3.70	14	18	3.38	0.023	12'	0.67
L1-400	4	4.18	13	16	3.87	0.023	12'	0.67
L1-450	4-1/2	4.67	11	15	4.36	0.023	12'	0.83
L1-500	5	5.17	10	14	4.88	0.023	12'	1.00
L1-550	5-1/2	5.67	8	13	5.39	0.023	12'	1.00
L1-600	6	6.17	7	11	5.89	0.023	12'	1.17
L1-650	6-1/2	6.69	6	11	6.38	0.023	12'	1.17
L1-700	7	7.19	5	9	6.88	0.023	12'	1.17
L1-800	8	8.19	3	7	7.84	0.023	12'	1.33
L1-900	9	9.19	2	6	8.86	0.023	12'	1.33
L1-1000	10	10.23	2	5	9.82	0.023	12'	1.50
L1-1100	11	11.23	1	4	10.83	0.023	12'	1.50
L1-1200	12	12.23	1	4	11.82	0.023	12'	1.67

### NC1



**APPLICATION:** Neoprene impregnated polyester fabric, enclosed steel wire helix; integral liner. One ply construction for general purpose applications.  
**TEMPERATURE:** -40C to +121C (-40F to +250F)

Item No	Nom. ID"	Vacuum	PSI	Bend Radius"	Std Pack	Weight#
NC1-200-25	2	29	30	1.80	25'	0.16
NC1-250-25	2-1/2	29	25	2.00	25'	0.24
NC1-300-25	3	25	24	2.50	25'	0.40
NC1-400-25	4	20	18	3.00	25'	0.56
NC1-500-25	5	15	12	3.50	25'	0.64
NC1-600-25	6	12	8	4.00	25'	0.72
NC1-800-25	8	8	6	5.50	25'	0.96
NC1-1000-25	10	4	4	6.00	25'	1.28
NC1-1200-25	12	3	3	7.00	25'	1.60



# DUCTING

## DUCTING - AIR HANDLING

### NC2



**APPLICATION:** Neoprene impregnated polyester fabric, enclosed steel wire helix; integral liner. Two ply construction for general purpose applications.

**TEMPERATURE:** -40C to +121C (-40F to +250F)

Item No	Nom. ID"	Nom. OD"	Vacuum	PSI	Bend Radius"	Wall Thickness"	Std Pack	Weight#
NC2-150-25	1-1/2	1.88	29	41	1.30	0.025	25'	0.24
NC2-200-25	2	2.38	28	33	1.80	0.025	25'	0.24
NC2-250-25	2-1/2	2.88	28	27	2.30	0.025	25'	0.32
NC2-300-25	3	3.38	27	23	2.70	0.025	25'	0.48
NC2-800-25	8	8.38	10	11	5.50	0.025	25'	1.04
NC2-400-25	4	4.38	25	18	3.40	0.025	25'	0.64
NC2-600-25	6	6.38	14	14	4.50	0.025	25'	0.92
NC2-700-25	7	7.38	12	12	5.00	0.025	25'	0.96
NC2-1000-25	10	10.38	5	10	6.80	0.025	25'	1.36
NC2-1200-25	12	12.50	3	8	9.40	0.025	25'	1.68
NC2-1600-25	16	16.50	2	5	12.40	0.025	25'	2.72
NC2-1800-25	18	18.50	1	3	13.50	0.025	25'	3.12
NC2-2000-25	20	20.50	1	2	15.00	0.025	25'	3.44

### SLP10 FLEXVENT



**APPLICATION:** Grey flame retardent, vinyl coated woven fibreglass fabric permanently bonded to a PVC coated spring steel helix.

**TEMPERATURE:** -40C to +121C (-40F to +250F)

Item No	Nom. ID"	PSI	Bend Radius"	Std Pack	Weight#
SLP-200	2	0.36	2.00	25'	0.10
SLP-300	3	0.36	3.00	25'	0.13
SLP-400	4	0.36	4.00	25'	0.16
SLP-500	5	0.36	5.00	25'	0.17
SLP-600	6	0.36	6.00	25'	0.20
SLP-700	7	0.36	7.00	25'	0.24
SLP-800	8	0.36	8.00	25'	0.25
SLP-900	9	0.36	9.00	25'	0.26
SLP-1000	10	0.36	10.00	25'	0.33
SLP-1200	12	0.36	12.00	25'	0.49
SLP-1400	14	0.36	14.00	25'	0.61

### SPIRATUBE - TDS & TDHS



**APPLICATION:** Single ply (TDS) or 2 ply (TDHS) vinyl-coated fabric with orange vinyl scuff-strip, spring steel wire helix and smooth bore. Meets UL 940-V flammability rating.

**TEMPERATURE:** -10C to +94C (15F to +200F)

Item No	Nom. ID"	Vacuum	PSI	Bend Radius"	Std Pack	Weight#
TDS-300	3	22	24	1.50	25'	0.50
TDS-400	4	17	18	2.00	25'	0.60
TDS-500	5	14	12	2.50	25'	0.70
TDS-600	6	10	10	3.00	25'	1.00
TDS-700	7	7	8	3.50	25'	1.20
TDS-800	8	6	7	4.00	25'	1.30
TDS-1000	10	4	6	5.00	25'	1.60
TDS-1200	12	2	5	6.00	25'	2.00
TDHS-300	3	26	28	1.50	25'	0.60
TDHS-400	4	24	24	2.00	25'	0.80
TDHS-500	5	18	20	2.50	25'	0.80
TDHS-600	6	14	18	3.00	25'	1.20
TDHS-700	7	11	14	3.50	25'	1.40
TDHS-800	8	9	12	4.00	25'	1.50
TDHS-1000	10	6	8	5.00	25'	2.00
TDHS-1200	12	3	6	6.00	25'	2.40

# DUCTING

## DUCTING - CONNECTORS

### DUCT CONNECTOR

Item No	Nom. ID"	Weight#
DCON-400	4	0.03
DCON-500	5	0.08
DCON-600	6	0.14
DCON-700	7	0.15
DCON-800	8	0.22
DCON-900	9	2.00
DCON-1000	10	1.30
DCON-1200	12	1.50

## DUCTING - GENERAL PURPOSE

### PVC DUCTING



**APPLICATION:**A medium weight extremely flexible wire reinforced PVC duct suitable for fume removal, light dust collection and general ducting.

**TEMPERATURE:**-28C to +71C(-20F to +160F)

Item No	Nom. ID"	Std Pack	Weight#
PVCB-200	2	25'	0.28
PVCC-200	2	25'	0.40
PVCC-250	2-1/2	25'	0.48
PVCC-350	3-1/2	25'	0.65
PVCC-400	4	25'	0.73
PVCC-500	5	25'	0.84
PVCB-500	5	25'	0.84
PVCC-600	6	25'	1.08
PVCC-700	7	25'	1.34
PVCC-800	8	25'	1.43
PVCC-1000	10	25'	1.73
PVCC-1200	12	25'	2.07

### TPR/RFH



**APPLICATION:**A wire reinforced, TPR elastomer, with good resistance to abrasion, chemicals and weathering. Excellent low and high temperature properties make this a truly versatile indoor/outdoor ducting. For general dust and fume extraction, sawdust and other mildly abrasive powders.

**TEMPERATURE:**-51C to +135C(-60F to +275F Intermittent to +300F)

Item No	Nom. ID"	Nom. OD"	Vacuum	PSI	Bend Radius"	Wall Thickness"	Weight#
RFH-200	2	2.27	29	17	3.50	0.03	0.32
RFH-250	2-1/2	2.77	28	13	4.00	0.03	0.31
RFH-300	3	3.27	28	10	4.25	0.03	0.48
RFH-350	3-1/2	3.77	20	10	5.25	0.03	0.62
RFH-400	4	4.29	25	10	6.50	0.03	0.72
RFH-500	5	5.29	15	9	8.00	0.03	0.84
RFH-600	6	6.29	12	8	8.75	0.03	1.00
RFH-700	7	7.35	10	7	10.50	0.03	1.12
RFH-800	8	8.35	6	6	12.00	0.03	1.24
RFH-1000	10	10.38	5	4	12.50	0.03	1.52
RFH-1200	12	12.38	4	4	13.75	0.03	1.84
RFH-1400	14	14.48	2	2	18.00	0.03	2.64
RFH-1600							3.65

# DUCTING

## DUCTING - HIGH TEMPERATURE

### L9 FLEX FLYTE



**APPLICATION:** Similar to U-9 but having a silicone rubber coated fiberglass liner for smoother flow and higher pressure ratings

**TEMPERATURE:** -59C to +260C (-75F to +500F)

Item No	Nom. ID"	Nom. OD"	Vacuum	PSI	Bend Radius"	Wall Thickness"	Std Pack	Weight#
L9-125	1-1/4	1.37	26	26	1.22	0.023	12'	0.34
L9-150	1-1/2	1.62	24	25	1.45	0.023	12'	0.34
L9-175	1-3/4	1.87	22	23	1.68	0.023	12'	0.34
L9-200	2	2.12	20	24	1.88	0.023	12'	0.34
L9-225	2-1/4	2.39	19	21	2.18	0.023	12'	0.34
L9-250	2-1/2	2.65	18	20	2.38	0.023	12'	0.34
L9-300	3	3.15	16	19	2.90	0.023	12'	0.50
L9-350	3-1/2	3.70	14	18	3.38	0.023	12'	0.61
L9-400	4	4.18	13	16	3.87	0.023	12'	0.67
L9-450	4-1/2	4.67	11	15	4.36	0.023	12'	0.83
L9-500	5	5.17	10	14	4.88	0.023	12'	1.00
L9-550	5-1/2	5.67	8	13	5.39	0.023	12'	1.00
L9-600	6	6.17	7	11	5.89	0.023	12'	1.17
L9-650	6-1/2	6.69	6	11	6.38	0.023	12'	1.17
L9-700	7	7.19	5	9	6.88	0.023	12'	1.17
L9-800	8	8.19	3	7	7.84	0.023	12'	1.33
L9-900	9	9.19	2	6	8.86	0.023	12'	1.50
L9-1000	10	10.23	2	5	9.82	0.023	12'	1.50
L9-1100	11	11.23	1	4	10.83	0.023	12'	1.67
L9-1200	12	12.23	1	4	11.82	0.023	12'	1.83

### U1 FLEX FLYTE



**APPLICATION:** Neoprene-coated fiberglass fabric cover, corrosion resistant steel wire helix. Neoprene coated fiberglass cord for additional reinforcement, lightweight, maximum flexibility. Meets UL-940VO flammability and UL478. Can be spliced for longer lengths

**TEMPERATURE:** -54C to +121C (-65F to +250F)

Item No	Nom. ID"	Nom. OD"	Vacuum	PSI	Bend Radius"	Wall Thickness"	Std Pack	Weight#
U1-150	1-1/2	1.62	18	18	1.20	0.012	12'	0.17

# DUCTING

## DUCTING - HIGH TEMPERATURE

### U9 FLEX FLYTE



**APPLICATION:** Silicone rubber coated fibreglass fabric with spring steel wire helix. Offers lightweight and maximum flexibility coupled with high temperature resistance  
**TEMPERATURE:** -59C to +260C (-75F to +500F)

Item No	Nom. ID"	Nom. OD"	Vacuum	PSI	Bend Radius"	Wall Thickness"	Std Pack	Weight#
U9-150	1-1/2	1.62	18	18	1.20	0.012	12'	0.34
U9-175	1-3/4	1.87	16	16	1.51	0.012	12'	0.34
U9-200	2	2.12	14	15	1.72	0.012	12'	0.34
U9-225	2-1/4	2.39	13	14	2.05	0.012	12'	0.34
U9-250	2-1/2	2.65	13	14	2.15	0.012	12'	0.34
U9-300	3	3.15	11	13	2.55	0.012	12'	0.50
U9-350	3-1/2	3.70	10	13	3.10	0.012	12'	0.50
U9-400	4	4.18	10	12	3.60	0.012	12'	0.67
U9-450	4-1/2	4.67	9	11	4.15	0.012	12'	0.67
U9-500	5	5.17	8	10	4.60	0.012	12'	0.83
U9-550	5-1/2	5.67	6	10	5.20	0.012	12'	0.83
U9-600	6	6.17	5	7	5.65	0.012	12'	1.00
U9-650	6-1/2	6.69	5	7	6.12	0.012	12'	1.00
U9-700	7	7.19	4	6	6.68	0.012	12'	1.00
U9-800	8	8.19	3	5	7.58	0.012	12'	1.00
U9-900	9	9.19	2	4	8.50	0.012	12'	1.17
U9-1000	10	10.23	1	3	9.60	0.012	12'	1.33
U9-1100	11	11.23	1	2	10.30	0.012	12'	1.50
U9-1200	12	12.23	1	2	11.40	0.012	12'	1.67

## DUCTING - MATERIAL HANDLING

### DURATHANE HD/UFD.060



**APPLICATION:** A wire reinforced three ply polyurethane duct with excellent abrasion resistance, low temperature and chemical resistance. LD and MD version available for extra abrasion and puncture resistance.  
**TEMPERATURE:** -51C to +93C (-60F to +200F)

Item No	Nom. ID"	Nom. OD"	Vacuum	PSI	Bend Radius"	Wall Thickness"	Std Pack	Weight#
DURHD-400	4	4.39	29	35	3.75	0.060	25'	0.74
DURHD-500	5	5.39	26	31	4.75	0.060	25'	1.15
DURHD-600	6	6.43	23	27	5.50	0.060	25'	1.53
DURHD-800	8	8.46	13	25	8.00	0.060	25'	1.98
DURHD-1000	10	10.46	6	22	9.75	0.060	25'	2.38
DURHD-1200	12	12.46	5	19	12.00	0.060	25'	3.75
DURHD-1400	14	14.63	4	16	12.00	0.060	25'	3.65

# DUCTING

## DUCTING - MATERIAL HANDLING

### DURATHANE LD/UFD



**APPLICATION:**A wire reinforced two ply polyurethane duct with excellent abrasion resistance, low TEMPERATURE and chemical resistance. MD and HD version available for extra abrasion and puncture resistance.

**TEMPERATURE:**-51C to +93C(-60F to +200F)

Item No	Nom. ID"	Nom. OD"	Vacuum	PSI	Bend Radius"	Wall Thickness"	Std Pack	Weight#
DURLD-200	2	2.29	29	33	2.50	0.035	25'	0.40
DURLD-250	2-1/2	2.79	29	30	3.00	0.035	25'	0.43
DURLD-300	3	3.32	29	27	3.50	0.035	25'	0.64
DURLD-400	4	4.34	28	18	4.50	0.035	25'	0.80
DURLD-500	5	5.34	26	16	5.50	0.035	25'	0.96
DURLD-600	6	6.37	24	14	6.25	0.035	25'	1.44
DURLD-700	7	7.40	18	12	7.25	0.035	25'	1.52
DURLD-800	8	8.40	14	11	8.75	0.035	25'	1.68
DURLD-900	9						25'	1.84
DURLD-1000	10	10.41	6	9	11.25	0.035	25'	1.92
DURLD-1200	12	12.41	5	7	13.25	0.035	25'	2.24
DURLD-1400	14	14.56	3	4	15.50	0.035	25'	2.76
DURLD-1600	16	16.59	3	2	18.00	0.035	25'	3.04

### DURATHANE LD/UFD BLACK



**APPLICATION:**A wire reinforced three ply polyurethane duct with excellent abrasion resistance, low temperature and chemical resistance. MD and HD version available for extra abrasion and puncture resistance.

**TEMPERATURE:**-51C to +93C(-60F to +200F)

Item No	Nom. ID"	Nom. OD"	Vacuum	PSI	Bend Radius"	Wall Thickness"	Std Pack	Weight#
DURLDB-200	2	2.29	29	33	2.50	0.035	25'	0.40
DURLDB-250	2-1/2	2.79	29	30	3.00	0.035	25'	0.43
DURLDB-300	3	3.32	29	27	3.50	0.035	25'	0.64
DURLDB-400	4	4.34	28	18	4.50	0.035	25'	0.80
DURLDB-500	5	5.34	26	16	5.50	0.035	25'	0.96
DURLDBL-500	5	5.34	26	16	5.50	0.035	25'	0.96
DURLDB-600	6	6.37	24	14	6.25	0.035	25'	1.44
DURLDBL-600	6	6.37	24	14	6.25	0.035	25'	1.44
DURLDB-700	7	7.40	18	12	7.25	0.035	25'	1.52
DURLDB-800	8	8.40	14	11	8.75	0.035	25'	1.68
DURLDBL-800	8	8.40	14	11	8.75	0.035	25'	1.68
DURLDB-1000	10	10.41	6	9	11.25	0.035	25'	1.92
DURLDB-1200	12	12.41	5	7	13.25	0.035	25'	2.24

# DUCTING

## DUCTING - MATERIAL HANDLING

### DURATHANE MD/UFD.045



**APPLICATION:**A wire reinforced three ply polyurethane duct with excellent abrasion resistance, low temperature and chemical resistance. LD and HD version available for extra abrasion and puncture resistance.  
**TEMPERATURE:**-51C to +93C(-60F to +200F)

Item No	Nom. ID"	Nom. OD"	Vacuum	PSI	Bend Radius"	Wall Thickness"	Std Pack	Weight#
DURMD-200	2	2.32	29	35	3.00	0.045	25'	0.37
DURMD-250	2-1/2	2.82	29	32	4.00	0.045	25'	0.46
DURMD-300	3	3.34	29	30	5.00	0.045	25'	0.52
DURMD-400	4	4.36	29	21	6.50	0.045	25'	0.96
DURMD-500	5	5.36	26	18	7.50	0.045	25'	1.08
DURMD-600	6	6.40	23	16	8.50	0.045	25'	1.54
DURMD-700	7	7.43	18	14	10.50	0.045	25'	1.79
DURMD-800	8	8.43	13	12	12.00	0.045	25'	2.04
DURMD-1000	10	10.43	6	10	14.00	0.045	25'	2.57
DURMD-1200	12	12.43	5	8	16.00	0.045	25'	3.08
DURMD-1400	14	14.60	4	7	18.00	0.045	25'	3.58

### SUPER VAC-U-FLEX



**APPLICATION:**High tensile fibre reinforced PVC cover bonded to a coated spring steel wire helix.  
**TEMPERATURE:**-30C to +65C(-20F to +150F)

Item No	Nom. ID"	Nom. OD"	Vacuum	PSI	Bend Radius"	Wall Thickness"	Std Pack	Weight#
CMD-075	3/4	0.88	27	13	0.50	0.032	25'	0.11
CMD-100	1	1.06	27	10	0.50	0.032	25'	0.14
SVAC-125	1-1/4	1.50	27	45	0.88	0.032	50'	0.18
SVAC-150	1-1/2	1.75	26	36	1.12	0.032	50'	0.20
SVAC-200	2	2.35	25	26	1.63	0.032	50'	0.25
SVAC-250	2-1/2	2.85	24	20	2.19	0.032	50'	0.30
SVAC-300	3	3.40	24	20	2.48	0.032	25'	0.40
SVAC-400	4	4.40	18	14	3.26	0.032	25'	0.50

### SUPER VAC-U-FLEX CUFF

Item No	Nom. ID"	Weight#
SVACC-075	3/4	0.06
SVACC-100	1	0.06
SVACC-125	1-1/4	0.07
SVACC-150	1-1/2	0.16
SVACC-200	2	0.20
SVACC-250	2-1/2	0.25
SVACC-300	3	0.55

### TPE VAC-U-FLEX



**APPLICATION:**Industrial weight black thermoplastic elastomer bonded to a coated spring steel wire helix. Features high abrasion and solvent resistance.  
**TEMPERATURE:**-40C to +121C(-40F to 250F)

Item No	Nom. ID"	Vacuum	PSI	Bend Radius"	Std Pack	Weight#
TPE-075	3/4	28	10	0.75	25'	0.16
TPE-100	1	28	10	1.00	25'	0.16
TPE-125	1-1/4	28	10	1.25	25'	0.24
TPE-150	1-1/2	28	10	1.50	25'	0.32
TPE-200	2	28	10	2.00	25'	0.40
TPE-250	2-1/2	28	10	2.50	25'	0.48
TPE-300	3	28	7	3.00	25'	0.56
TPE-400	4	28	6	4.00	25'	0.64
TPE-500	5	24	5	5.00	25'	0.88
TPE-600	6	18	4	6.00	25'	0.96

# DUCTING

## DUCTING - MATERIAL HANDLING

### TPU VAC-U-FLEX



**APPLICATION:**A flexible smooth clear polyurethane elastomer bonded to a coated spring steel wire helix. Features high abrasion and puncture resistance and excellent chemical and oil resistance.  
**TEMPERATURE:**-40C to +93C(-40F to +200F)

Item No	Nom. ID"	Vacuum	PSI	Bend Radius"	Std Pack	Weight#
TPU-075	3/4	28	16	0.75	25'	0.16
TPU-100	1	28	15	1.00	25'	0.16
TPU-125	1-1/4	28	13	1.25	25'	0.20
TPU-150	1-1/2	26	10	1.50	25'	0.24
TPU-200	2	22	8	2.00	25'	0.32
TPU-250	2-1/2	20	7	2.50	25'	0.32
TPU-300	3	16	6	3.00	25'	0.40
TPU-400	4	12	5	4.00	25'	0.48
TPU-500	5	10	5	5.00	25'	0.88
TPU-600	6	7	4	6.00	25'	1.20

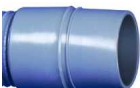
### VAC-U-LOK



**APPLICATION:**Interlocked EVA hose, non wire construction for crush resistance.  
**TEMPERATURE:**-54C to +60C(-65F to +140F)

Item No	Nom. ID"	Vacuum	PSI	Bend Radius"	Std Pack	Weight#
VUL-125	1-1/4	20	22	3.50	50'	0.21
VUL-150	1-1/2	18	20	4.00	50'	0.28
VUL-200	2	18	14	4.30	25'	0.39
VUL-250	2-1/2	16	12	4.60	25'	0.54
VUL-300	3	11	8	5.10	25'	0.73

### VAC-U-LOK CUFF



Item No	Nom. ID"	Weight#
VULC-125	1-1/4	0.09
VULC-150	1-1/2	0.10
VULC-200	2	0.26

### VF FLEX FLYTE



**APPLICATION:**Fibreglass cover with flame retardent vinyl coating each side with permanently bonded supporting wire helix of vinyl-coated spring steel.  
**TEMPERATURE:**-28C to +128C(-20F to +200F)

Item No	Nom. ID"	Std Pack	Weight#
VF-300	3	25'	0.21
VF-600	6	25'	0.36

# FIRE HOSE

## FIRE - RUBBER

### ARMTEX HD RUBBER COVERED ULC LISTED



**APPLICATION:** Professional and general firefighting service. ULC listing ensures your fire insurance requirements are met.

**COVER:** Red oil and weather resistant nitrile rubber, double ribbed.

**REINFORCEMENT:** High tenacity woven polyester jacket.

**TUBE:** Red oil resistant nitrile rubber.

**TEMPERATURE:** -20C to +80C(0F to +180F)

Item No	Nom. ID"	Bowl Size	Service PSI	Test PSI	Std Pack	Weight#
ARHD-150	1-1/2	1-3/4	300	600	100'	0.32
ARHD-175	1-3/4	2	300	600	100'	0.36
ARHD-200	2	2-1/4	300	600	100'	0.40
ARHD-250	2-1/2	2-3/4	300	600	100'	0.50
ARHD-300	3	3-3/8	200	400	100'	0.60
ARHD-400	4	N/A	200	400	100'	0.80
ARHD-500	5	N/A	200	400	100'	1.10

**Cut Lengths:** P.O.A

**Standard Length:** 50'/100'

**Product Info:** 1-1/2", 1-3/4", 2-1/2" ULC Listed. Note: 4" and 5" Armtex HD has a yellow cover

**Recommended Couplings:** Fire hose expansion ring

### ARMTEX RUBBER COVERED FM APPROVED



**APPLICATION:** Professional and general firefighting service. FM approval ensures your fire insurance requirements are met.

**COVER:** Red oil and weather resistant nitrile rubber, ribbed.

**REINFORCEMENT:** High tenacity woven polyester jacket.

**TUBE:** Red oil resistant nitrile rubber.

**TEMPERATURE:** -20C to +80C(0F to +180F)

Item No	Nom. ID"	Bowl Size	Service PSI	Test PSI	Std Pack	Weight#
ARM-150	1-1/2	1-3/4	300	600	100'	0.22
ARM-150-PY5	1-1/2	1-3/4	300	600		11.59
ARM-175	1-3/4	2	300	600	100'	0.26
ARM-200	2	2-1/4	250	500	100'	0.30
ARM-250	2-1/2	2-3/4	250	500	100'	0.40
ARM-300	3	3-5/16	200	400	100'	0.47

**Cut Lengths:** P.O.A

**Standard Length:** 50'/100'

**Product Info:** 1-1/2", 2-1/2" FM Approved

**Recommended Couplings:** Fire hose expansion ring



# FIRE HOSE

## FIRE - RUBBER COVER

### DURAFLO BLUE (RUBBER COVERED STANDPIPE WASHDOWN)



**APPLICATION:**Standpipe washdown service in refineries and paper mills.  
**COVER:**Blue oil and weather resistant nitrile rubber.  
**REINFORCEMENT:**High tenacity woven polyester jacket.  
**TUBE:**Blue oil resistant nitrile rubber.  
**TEMPERATURE:**-20C to +80C(0F to +180F)

Item No	Nom. ID"	Bowl Size	Service PSI	Test PSI	Std Pack	Weight#
DUR-150	1-1/2	1-11/16	200	400	100'	0.18

**Cut Lengths:** P.O.A

**Standard Length:** 50'/100'

**Recommended Couplings:** Fire hose expansion ring

### DURAFLO BLUE ASSEMBLY (RUBBER COVERED STANDPIPE WASHDOWN)

Item No	Assembly Description	Bowl Size	Service PSI	Test PSI	Weight#
DUR-150-100PYRO	1-1/2X100' DURAFLO BLUE C/W PYRO M/F	1-11/16	200	400	18.81
DUR-150-PYRO	1-1/2X50' DURAFLO BLUE C/W PYRO M/F	1-11/16	200	400	9.59

## FIRE - TEXTILE COVER

### DOUBLE JACKET 800 PSI



**APPLICATION:**Municipal fire fighting service and heavy duty industrial applications.  
**COVER:**Two circular woven all polyester jackets for good abrasion resistance.  
**TUBE:**Smooth synthetic rubber.  
**TEMPERATURE:**-35C to +80C(-30F to +180F)

Item No	Nom. ID"	Bowl Size	Service PSI	Test PSI	Std Pack	Weight#
DJ8-150	1-1/2	1-15/16	400	800	100'	0.36
DJ8-175	1-3/4	2-5/32	400	800	100'	0.42
DJ8-200	2	2-1/2	400	800	100'	0.48
DJ8-250	2-1/2	3	400	800	100'	0.64
DJ8-300	3	3-9/16	400	800	100'	0.82

**Cut Lengths:** P.O.A

**Standard Length:** 50'/100'

**Product Info:** 1-1/2", 2-1/2" U.L. Listed

**Recommended Couplings:** Fire hose expansion ring

### DOUBLE JACKET 800 PSI ASSEMBLY

Item No	Assembly Description	Bowl Size	Service PSI	Test PSI	Std Pack	Weight#
DJ8-150-PY100	1-1/2"x 100' D.J.800 c/w M/F PYRO.	1-15/16	400	800	100'	36.75
DJ8-150-PY100ASS	1-1/2"x 100' D.J.800 c/w M/F PYRO.	1-15/16	400	800	100'	36.75
DJ8-150-PY5	1-1/2"x 50' D.J.800 c/w M/F PYRO.	1-15/16	400	800	50'	18.75
DJ8-150-PY50ASS	1-1/2"x 50' D.J.800 c/w M/F PYRO.	1-15/16	400	800	50'	18.75

# FIRE HOSE

## FIRE - TEXTILE COVER

### DOUBLE JACKET 800 PSI HYPALON



**APPLICATION:** Municipal fire fighting service and heavy duty industrial applications.

**COVER:** Yellow Hypalon impregnated all polyester circular woven outer jacket. All polyester circular woven inner jacket.

**TUBE:** Smooth synthetic rubber.

**TEMPERATURE:** -35C to +80C (-30F to +180F)

Item No	Nom. ID"	Bowl Size	Service PSI	Test PSI	Std Pack	Weight#
DJ8H-150	1-1/2	1-15/16	400	800	100'	0.38
DJ8H-175	1-3/4	2-5/32	400	800	100'	0.44
DJ8H-200	2	2-1/2	400	800	100'	0.50
DJ8H-250	2-1/2	3	400	800	100'	0.66

**Cut Lengths:** P.O.A

**Standard Length:** 50'/100'

**Product Info:** 1-1/2", 2-1/2" U.L. Listed

**Recommended Couplings:** Fire hose expansion ring

### RACK HOSE



**APPLICATION:** General industrial service where approved fire hose is not required.

**COVER:** All polyester circular woven jacket with good abrasion resistance.

**TUBE:** Polyurethane lined

Item No	Nom. ID"	Bowl Size	Service PSI	Test PSI	Std Pack	Weight#
RACK-100	1-1/2	1-11/16	150	300	100'	0.13
RACK-75	1-1/2	1-11/16	150	300	75'	0.13

**Cut Lengths:** P.O.A

**Standard Length:** 50'/100'

**Recommended Couplings:** Fire hose expansion ring

### RACK HOSE ASSEMBLY

Item No	Assembly Description	Bowl Size	Service PSI	Test PSI	Weight#
RACK-100-BRASS	1-1/2"X100' RACK HOSE C/W BRASS CPLGS	1-11/16	150	300	15.38
RACK-50-BRASS	1-1/2"X50' RACK HOSE C/W BRASS CPLGS	1-11/16	150	300	8.88
RACK-75-BRASS	1-1/2"X75' RACK HOSE C/W BRASS CPLGS	1-11/16	150	300	12.13

### SINGLE JACKET INDUSTRIAL MILL



**APPLICATION:** General industrial service where approved fire hose is not required.

**COVER:** All polyester circular woven jacket with good abrasion resistance.

**TUBE:** Smooth synthetic rubber.

**TEMPERATURE:** -35C to +80C (-30F to +180F)

Item No	Nom. ID"	Bowl Size	Service PSI	Test PSI	Std Pack	Weight#
SJM-150	1-1/2	1-3/4	125	250	100'	0.26
SJM-200	2	2-1/4	125	250	100'	0.22
SJM-250	2-1/2	2-3/4	125	250	100'	0.48
SJM-300	3	3-3/8	125	250	100'	0.54

**Cut Lengths:** P.O.A

**Standard Length:** 50'/100'

**Recommended Couplings:** Fire hose expansion ring

# FIRE HOSE

## FIRE - TEXTILE COVER

### SINGLE JACKET INDUSTRIAL MILL ASSEMBLY

Item No	Assembly Description	Bowl Size	Service PSI	Test PSI	Weight#
SJM-150-100PY1	1-1/2"X100' S.J.MILL C/W M/F PYROLITE...DO NOT USE!!	1-3/4	125	250	26.59
SJM-150-FC1	1-1/2"X100' S.J.MILL C/W FORESTRY CPLG	1-3/4	125	250	26.60
SJM-150-FC5	1-1/2"x50' S.J.MILL C/W FORESTRY CPLG	1-3/4	125	250	13.60
SJM-150-PY100	1-1/2"x100' S.J.MILL C/W MXF PYROLITE	1-3/4	125	250	15.00
SJM-150-PY25	1-1/2" x 25' S.J.MILL C/W M/F PYROLITE	1-3/4	125	250	7.09
SJM-150-PY5	1-1/2"x50' S.J.MILL C/W M/F PYROLITE	1-3/4	125	250	13.59

### SINGLE JACKET RUBBER LINED 300 PSI ASSEMBLY

Item No	Assembly Description	Bowl Size	Service PSI	Test PSI	Weight#
SJ3-150-BMM	1-1/2"x25' SJ3 MxM NPT BRASS	N/A	150	300	6.50
SJ3-200-BMM	2"x25' SJ3 MxM NPT BRASS	N/A	150	300	11.00
SJ5-150-PY5	1-1/2"x 50' S.J.500 c/w M/F PYRO.	1-3/4	250	500	13.59

### SINGLE JACKET RUBBER LINED 500 PSI



**APPLICATION:**An approved hose for light duty fire protection.

**COVER:**All polyester circular woven jacket with good abrasion resistance.

**TUBE:**Smooth synthetic rubber.

**TEMPERATURE:**-35C to +80C(-30F to +180F)

Item No	Nom. ID"	Bowl Size	Service PSI	Test PSI	Std Pack	Weight#
SJ5-150	1-1/2	1-3/4	250	500	100'	0.26
SJ5-200	2	2-3/8	250	500	100'	0.42
SJ5-250	2-1/2	2-3/4	250	500	100'	0.48
SJ5-300	3	3-3/8	250	500	100'	0.62

**Cut Lengths:** P.O.A

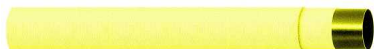
**Standard Length:** 50'/100'

**Product Info:** 1-1/2", 2-1/2" U.L. Listed

**Safety Info:** Hypalon coating also available.

**Recommended Couplings:** Fire hose expansion ring

### SINGLE JACKET RUBBER LINED 500 PSI HYPALON



**APPLICATION:**An approved hose for light duty fire protection. temperature range -35C to+ 80C (-30F to +180F).

**COVER:**All polyester circular woven jacket with good abrasion resistance.

**TUBE:**Smooth synthetic rubber.

**TEMPERATURE:**-35C to +80C(-30F to +180F)

Item No	Nom. ID"	Bowl Size	Service PSI	Test PSI	Std Pack	Weight#
SJ5H-150	1-1/2	1-3/4	250	500	100'	0.36
SJ5H-200	2	2-3/8	250	500	100'	0.42

**Cut Lengths:** P.O.A

**Standard Length:** 50'/100'

**Product Info:** 1-1/2", 2-1/2" U.L. Listed

**Safety Info:** Hypalon coating also available.

**Recommended Couplings:** Fire hose expansion ring

# FOOD HOSE

## FOOD - RUBBER

### BREWERS & BEVERAGE DISCHARGE



**APPLICATION:** Will handle a wide range of non-fatty/oily food products up to 80C (180F) where taste and aroma must not be affected.

**COVER:** Red abrasion resistant natural rubber

**REINFORCEMENT:** Multiple layers of mildew resistant synthetic fabric

**TUBE:** White smooth non-toxic FDA compliant nitrile rubber

**TEMPERATURE:** -35C to +80C (-30F to +180F)

Item No	Nom. ID"	Nom. OD"	PSI	Std Pack	Weight#
BRR-075	3/4	1.34	140	100'	0.60
BRR-100	1	1.57	140	100'	0.74
BRR-125	1-1/4	1.89	140	100'	0.90
BRR-150	1-1/2	2.13	140	100'	0.94
BRR-200-4	2	2.68	140	100'	1.56
BRR-200-6	2	2.91	140	100'	2.19
BRR-300	3	3.94	140	100'	3.20

**Cut Lengths:** Plus 10%

**Standard Length:** 50'/100'

**Product Info:** Longer lengths available on request.

**Recommended Couplings:** Sanitary. All coupling recommendations are to be used as guidelines and are derived from past user preference. In some cases the preferred coupling is of a lesser pressure rating than the hose. Never exceed the working pressure of the lowest rated component in the assembly. If you require further assistance with regards to coupling choice, please contact Harco Ent. customer service at 1-800-361-5361

### BREWERS SUCTION HOSE



**APPLICATION:** Suction and discharge applications in the brewing and beverage industry.

**COVER:** Red abrasion resistant natural rubber

**REINFORCEMENT:** High tensile wire helix embedded between layers of textile cords.

**TUBE:** White smooth non-toxic FDA compliant nitrile rubber.

**TEMPERATURE:** -35C to +80C (-30F to +180F)

Item No	Nom. ID"	Nom. OD"	Vacuum	PSI	Bend Radius"	Std Pack	Weight#
BRS-150	1-1/2	1.97	29	150	6.00	100'	0.89
BRS-200	2	2.56	29	150	7.00	100'	1.31
BRS-250	2-1/2	3.03	29	150	8.00	100'	2.20
BRS-300	3	3.54	29	150	10.00	100'	2.26

**Cut Lengths:** Plus 10%

**Standard Length:** 50'/100'

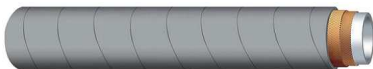
**Product Info:** Longer lengths available on request.

**Recommended Couplings:** Sanitary. All coupling recommendations are to be used as guidelines and are derived from past user preference. In some cases the preferred coupling is of a lesser pressure rating than the hose. Never exceed the working pressure of the lowest rated component in the assembly. If you require further assistance with regards to coupling choice, please contact Harco Ent. customer service at 1-800-361-5361

# FOOD HOSE

## FOOD - RUBBER

### FOODFLEX RUBBER SUCTION HOSE



**APPLICATION:** Will handle most food products including fats and oils up to 95C(200F) without imparting taste or odour.

**COVER:** Grey oil and grease resistant nitrile rubber

**REINFORCEMENT:** High tensile wire helix embedded between layers of textile cords.

**TUBE:** White smooth non-toxic FDA compliant nitrile rubber.

**TEMPERATURE:** -32C to +93C(-25F to +200F)

Item No	Nom. ID"	Nom. OD"	Vacuum	PSI	Bend Radius"	Std Pack	Weight#
FFW-100	1	1.38	29	150	4.00	100'	0.53
FFW-150	1-1/2	1.97	29	150	6.00	100'	0.87
FFW-200	2	2.56	29	150	7.00	100'	1.45
FFW-250	2-1/2	3.03	29	150	8.00	100'	1.84
FFW-300	3	3.54	29	150	10.00	100'	2.18
FFW-400	4	4.64	29	150	14.00	100'	3.53

**Cut Lengths:** Plus 10%

**Standard Length:** 50'/100'

**Product Info:** Conforms to FDA standards for aqueous food / sterilization max 110°C for a short period with steam, cleaning max 40°C for a short period with cleaning agents containing max 1% peracetic acid, 2% phosphoric acid, 5% caustic soda

**Recommended Couplings:** Cam and groove or sanitary. All coupling recommendations are to be used as guidelines and are derived from past user preference. In some cases the preferred coupling is of a lesser pressure rating than the hose. Never exceed the working pressure of the lowest rated component in the assembly. If you require further assistance with regards to coupling choice, please contact Harco Ent. customer service at 1-800-361-5361

### POTABLE WATER HOSE



**APPLICATION:** Robust delivery hose for transporting potable water, beverages such as milk, olive oil and other fatty liquids

**COVER:** Blue (Red for low temperature) cloth impression weather, oil, ozone and abrasion resistant synthetic rubber

**REINFORCEMENT:** Multiple layers of mildew resistant synthetic fabric

**TUBE:** White smooth non-toxic FDA compliant nitrile rubber.

**TEMPERATURE:** -35C to +85C(-30F to +185) Low Temperature version -45C to +85C(-49F to +185)

Item No	Nom. ID"	Nom. OD"	PSI	Std Pack	Weight#
POT-075	3/4	0.95	150	100'	0.48
POT-150-A	1-1/2	1.75	150	100'	0.93
POT-200	2	2.40	150	100'	0.79
POT-250	2-1/2	3.00	150	100'	1.22
POT-300	3	3.43	150	100'	1.29
POT-400	4	4.45	150	100'	1.69

**Cut Lengths:** N/A

**Standard Length:** 100'

**Recommended Couplings:** Cam and groove or sanitary. All coupling recommendations are to be used as guidelines and are derived from past user preference. In some cases the preferred coupling is of a lesser pressure rating than the hose. Never exceed the working pressure of the lowest rated component in the assembly. If you require further assistance with regards to coupling choice, please contact Harco Ent. customer service at 1-800-361-5361

# FOOD HOSE

## FOOD - RUBBER

### PURE GUM TUBING



**COVER:** Extruded tan natural pure gum rubber manufactured from high quality compound

Item No	Nom. ID"	Nom. OD"	Wall Thickness"	Std Pack	Weight#
TPG-025-050	1/4	.500	1/8	50'	0.08
TPG-038-063	3/8	.630	1/8	50'	0.13
TPG-050-075	1/2	.750	1/8	50'	0.12
TPG-063-088	5/8	.875	1/8	50'	0.20
TPG-075-100	3/4	1	1/8	50'	0.20
TPG-088-113	7/8	1.13	1/8	50'	0.33
TPG-100-125	1	1.25	1/8	50'	0.50
TPG-150-200	1-1/2	2	1/8	50'	0.64
TPG-200-250	2	2.52	1/8	50'	0.83
TPG-250-275	2-1/2	2.75	1/8	50'	0.70
TPG-300-350	3	3.50	1/8	50'	1.19
TPG-400-450	4	4.50	1/8	50'	1.57
TPG-600-650	6	6.50	1/8	50'	2.28
TPG-800-850	8	8.50	1/8	50'	3.02
TPG-1000-1050	10	10.5	1/8	50'	3.75
TPG-1200-1250	12	12.50	1/8	50'	0.00

**Cut Lengths:** Plus 20%

**Standard Length:** 50'

## FOOD - THERMOPLASTIC AND PVC

### B - FLEX (FOOD GRADE)



**APPLICATION:** Conveying of dry powders, grains and plastic pellets where viewing the product and flexibility is important.

**COVER:** Corrugated clear PVC.

**REINFORCEMENT:** Clear rigid PVC helix

**TUBE:** Smooth clear PVC

**TEMPERATURE:** -23C to +65C (-10F to +150F)

Item No	Nom. ID"	Nom. OD"	Vacuum	PSI	Bend Radius"	Std Pack	Weight#
BFL-100	1	1.22	29	45	2.00	100'	0.15
BFL-125	1 1/4	1.48	29	35	2.50	100'	0.18
BFL-150	1 1/2	1.83	29	35	2.50	100'	0.28
BFL-200	2	2.35	29	35	3.00	100'	0.44
BFL-250	2 1/2	2.90	29	30	5.00	100'	0.60
BFL-300	3	3.50	29	25	6.00	100'	0.85
BFL-39-MM	39mm	1.88	29	45	3.00	100'	0.29

**Cut Lengths:** Plus 10%

**Standard Length:** 100'

**Product Info:** Compliant with the applicable requirements and standards of FDA USDA and 3-A.

**Safety Info:** Suction and pressure ratings are based on a temperature of 20C (68F), reduce ratings by 50% at maximum working temperature

**Recommended Couplings:** Cam and groove

# FOOD HOSE

## FOOD - THERMOPLASTIC AND PVC

### B - FLEX (STATIC) (FOOD GRADE)



**APPLICATION:** Conveying of dry powders, grains and plastic pellets where viewing the product, flexibility and static electricity is important.

**COVER:** Corrugated clear PVC.

**REINFORCEMENT:** Clear rigid PVC helix with integral static wire.

**TUBE:** Smooth clear PVC

**TEMPERATURE:** -23C to +65C (-10F to +150F)

Item No	Nom. ID"	Nom. OD"	Vacuum	PSI	Bend Radius"	Std Pack	Weight#
BFLST-150	1-1/2	1.83	29	35	2.50	100'	0.28
BFLST-200	2	2.35	29	35	3.00	100'	0.44
BFLST-250	2-1/2	2.90	29	30	5.00	100'	0.60
BFLST-300	3	3.50	29	25	6.00	100'	0.85
BFLST-39-MM	39mm	1.88	29	45	3.00	100'	0.29

**Cut Lengths:** Plus 10%

**Standard Length:** 100'

**Product Info:** Compliant with the applicable requirements and standards of FDA USDA and 3-A.

**Safety Info:** Suction and pressure ratings are based on a temperature of 20C (68F), reduce ratings by 50% at maximum working temperature

**Recommended Couplings:** Cam and groove

### BACCO - PVC WINE SUCTION (FOOD QUALITY)



**APPLICATION:** For use in food handling and processing operations. General application include transferring wine, juice, beer, soda, syrup, dairy products as well as poultry cleaning operations. Also good for use with gels, paste and dry foodstuff like powders, granulars and pellets.

**COVER:** Smooth clear, food grade PVC non-marking.

**REINFORCEMENT:** Red PVC helix.

**TUBE:** Smooth clear food grade PVC, specially compounded for use with alcoholic beverages.

**TEMPERATURE:** -23C to +65C (-10F to +150F)

Item No	Nom. ID"	Nom. OD"	Vacuum	PSI	Bend Radius"	Std Pack	Weight#
BAC-075	3/4	0.95	29	85	3.00	100'	0.16
BAC-100	1	1.24	29	80	3.00	100'	0.26
BAC-125	1-1/4	1.54	29	80	4.00	100'	0.34
BAC-150	1-1/2	1.81	29	70	5.00	100'	0.44
BAC-200	2	2.39	29	70	7.00	100'	0.75
BAC-250	2-1/2	2.94	29	70	8.00	100'	1.01
BAC-300	3	3.43	29	60	10.00	100'	1.21
BAC-35-MM	35mm	43mm	29	100	8.00	100'	0.41
BAC-38-MM	38mm	47mm	29	80	3.00	100'	0.45
BAC-400	4	4.54	29	50	14.00	100'	2.02
BAC-500	5	5.56	28	35	20.00	100'	2.65
BAC-50-MM	50mm	60mm	29	70	7.00	100'	0.74

**Cut Lengths:** Plus 10%

**Standard Length:** 100'

**Product Info:** Compliant with the applicable requirements and standards of FDA USDA and 3-A

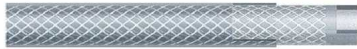
**Safety Info:** Suction and pressure ratings are based on a temperature of 20C (68F), reduce ratings by 50% at maximum working temperature

**Recommended Couplings:** Stainless Cam and groove or Sanitary

# FOOD HOSE

## FOOD - THERMOPLASTIC AND PVC

### CLEAR REINFORCED PVC (FOOD QUALITY)



**APPLICATION:**An economical hose for handling air, water, oil, mild chemicals, and alkalis. Clear wall allows visual inspection of product.

**COVER:**Clear smooth PVC

**REINFORCEMENT:**Multiple layers of synthetic yarns

**TUBE:**Clear smooth PVC

**TEMPERATURE:**-5C to +65C(+25F to +150F)

Item No	Nom. ID"	Nom. OD"	PSI	Std Pack	Weight#
CRPVC-019	3/16	0.38	250	300'	0.05
CRPVC-025	1/4	0.43	250	300'	0.07
CRPVC-025-100	1/4	0.43	250	100'	0.07
CRPVC-031	5/16	0.53	300	300'	0.08
CRPVC-031-100	5/16	0.53	300	100'	0.08
CRPVC-038	3/8	0.59	250	300'	0.09
CRPVC-038-100	3/8	0.59	250	100'	0.09
CRPVC-050	1/2	0.71	250	300'	0.15
CRPVC-050-100	1/2	0.71	250	100'	0.15
CRPVC-063	5/8	0.87	200	200'	0.17
CRPVC-063-100	5/8	0.87	200	100'	0.17
CRPVC-075	3/4	1.02	180	200'	0.23
CRPVC-075-100	3/4	1.02	180	100'	0.23
CRPVC-075-200	3/4	1.02	180	200'	0.23
CRPVC-100	1	1.30	150	200'	0.32
CRPVC-100-100	1	1.30	150	100'	0.32
CRPVC-125	1-1/4	1.61	100	100'	0.58
CRPVC-150	1-1/2	1.89	85	100'	0.69
CRPVC-200	2	2.44	65	100'	1.00

**Cut Lengths:** Plus 10%

**Standard Length:** 3/16"-3/4" 100'/300' coil, 1" 100'/200' coil, 1-1/4"-2" 100' coil

**Product Info:** Compliant with the applicable requirements and standards of FDA USDA 3-A and NSF-51. Please specify length when ordering i.e. 100' or 300'

**Safety Info:** Working pressure ratings are based on 20C (68F). At operating temperature of +65C (150F) reduce working pressure by 50%.

**Recommended Couplings:** Combination nipples, short shank, brass barbed, cam and groove. All coupling recommendations are to be used as guidelines and are derived from past user preference. In some cases the preferred coupling is of a lesser pressure rating than the hose. Never exceed the working pressure of the lowest rated component in the assembly. If you require further assistance with regards to coupling choice, please contact Harco Ent. customer service at 1-800-361-5361



# FOOD HOSE

## FOOD - THERMOPLASTIC AND PVC

### CLEAR VINYL TUBING



**APPLICATION:** Handling foodstuffs, beverages and liquids where clarity and flexibility are required.

**COVER:** Vinyl tubing is manufactured from food grade resins. It is crystal clear, non-toxic, odourless and taste free.

**TEMPERATURE:** -5C to +65C(+25F to +150F)

Item No	Nom. ID"	Nom. OD"	PSI	Wall Thickness"	Std Pack	Weight#
CVT-013-025	1/8	1/4	65	1/16	100'	0.02
CVT-019-031	3/16	5/16	55	1/16	100'	0.03
CVT-019-044	3/16	5/16	55	1/16	100'	0.03
CVT-025-038	1/4	3/8	55	1/16	100'	0.03
CVT-031-044	5/16	7/16	50	1/16	100'	0.04
CVT-038-050	3/8	1/2	45	1/16	100'	0.05
CVT-038-063	3/8	5/8	55	1/8	100'	0.06
CVT-050-063	1/2	5/8	30	1/16	100'	0.06
CVT-050-075	1/2	3/4	45	1/8	100'	0.14
CVT-063-075	5/8	3/4	40	1/16	100'	0.15
CVT-063-088	5/8	7/8	40	1/8	100'	0.17
CVT-075-100	3/4	1	35	1/8	100'	0.20
CVT-100-125	1	1-1/4	25	1/8	100'	0.26
CVT-100-150	1	1-1/2	40	1/4	100'	0.27
CVT-125-150	1-1/4	1-1/2	20	1/8	100'	0.30
CVT-150-188	1-1/2	1-7/8	30	3/16	100'	0.57
CVT-200-250	2	2-1/2	35	1/4	100'	1.00

**Cut Lengths:** Plus 20%

**Standard Length:** 100'

**Product Info:** Compliant with the applicable requirements and standards of FDA USDA 3-A NSF-51.

**Safety Info:** Reduce pressure by 50% at maximum working temperature

### FOODFLEX PVC S&D (FOOD QUALITY)



**APPLICATION:** For liquid or dry bulk foodstuffs, pharmaceuticals, cosmetics, milk, fruit and vegetable juices, soft drinks, alcoholic beverages, flour, sugar, poultry or meat packing etc. Clear wall allows visual inspection of the product.

**COVER:** Clear PVC non-marking.

**REINFORCEMENT:** Clear rigid PVC helix.

**TUBE:** Smooth clear PVC.

**TEMPERATURE:** -23C to +65C(-10F to +150F)

Item No	Nom. ID"	Nom. OD"	Vacuum	PSI	Bend Radius"	Std Pack	Weight#
FPVC-075	3/4	0.95	29	85	2.00	100'	0.16
FPVC-100	1	1.24	29	80	3.00	100'	0.26
FPVC-125	1-1/4	1.54	29	80	4.00	100'	0.34
FPVC-150	1-1/2	1.81	29	70	5.00	100'	0.44
FPVC-200	2	2.39	29	70	7.00	100'	0.75
FPVC-250	2-1/2	2.94	29	70	8.00	100'	1.10
FPVC-300	3	3.43	29	60	10.00	100'	1.21
FPVC-400	4	4.54	29	50	14.00	100'	2.02

**Cut Lengths:** Plus 10%

**Standard Length:** 50'/100'

**Product Info:** Compliant with the applicable requirements and standards of FDA USDA and 3-A

**Safety Info:** Suction and pressure ratings are based on a temperature of 20C (68F), reduce ratings by 50% at maximum working temperature

**Recommended Couplings:** Cam and groove or Sanitary

# FOOD HOSE

## FOOD - THERMOPLASTIC AND PVC

### FOODFLEX TEXTILE REINFORCED S&D (FOOD GRADE)



**APPLICATION:** For liquid or dry bulk foodstuffs, pharmaceuticals, cosmetics, milk, fruit and vegetable juices, soft drinks, alcoholic beverages, flour, sugar, poultry or meat packing etc. Clear wall allows visual inspection of the product.

**COVER:** Clear PVC non-marking.

**REINFORCEMENT:** Clear rigid PVC helix with high tensile synthetic yarn. .

**TUBE:** Smooth clear PVC.

**TEMPERATURE:** -23C to +65C(-10F to +150F)

Item No	Nom. ID"	Nom. OD"	Vacuum	PSI	Bend Radius"	Std Pack	Weight#
FRPVC-200	2	2.59	29	110	4.00	100'	0.65
FRPVC-250	2-1/2	3.01	29	100	5.00	100'	0.75
FRPVC-300	3	3.71	29	100	6.00	100'	1.12
FRPVC-400	4	4.78	29	80	7.00	100'	1.74
FRPVC-500	5	6.05	28	75	9.00	100'	2.95
FRPVC-600	6	7.17	28	70	10.50	100'	3.87
FRPVC-800	8	9.33	28	60	16.00	60'	5.52

**Cut Lengths:** Plus 10%

**Standard Length:** 50'/100'

**Product Info:** Compliant with the applicable requirements and standards of FDA USDA and 3-A

**Safety Info:** Suction and pressure ratings are based on a temperature of 20C (68F), reduce ratings by 50% at maximum working temperature

**Recommended Couplings:** Cam and groove or Sanitary

### NEPTUNE PVC SUCTION (FOOD GRADE)



**APPLICATION:** Suction and discharge of liquids and powders where moderate abrasion is a factor.

**COVER:** Corrugated clear PVC.

**REINFORCEMENT:** Clear rigid PVC helix

**TUBE:** Smooth clear PVC.

**TEMPERATURE:** -23C to +65C(-10F to +150F)

Item No	Nom. ID"	Nom. OD"	Vacuum	PSI	Bend Radius"	Std Pack	Weight#
NEP-100	1	1.30	28	55	2.00	100'	0.21
NEP-150	1-1/2	1.92	28	50	3.00	100'	0.35
NEP-200	2	2.40	28	40	4.00	100'	0.56
NEP-250	2-1/2	2.99	28	40	5.00	100'	0.77
NEP-300	3	3.64	28	40	6.00	100'	1.10
NEP-400	4	4.72	24	35	10.00	100'	1.80
NEP-500	5	5.74	24	30	16.00	100'	2.34
NEP-600	6	6.91	24	30	18.00	100'	3.70
NEP-800	8	8.97	20	20	36.00	60'	5.53

**Cut Lengths:** Plus 10%

**Standard Length:** 1" to 6" in 100' Lengths

**Product Info:** Compliant with the applicable requirements and standards of FDA USDA and 3-A.

**Safety Info:** Suction and pressure ratings are based on a temperature of 20C (68F), reduce ratings by 50% at maximum working temperature

**Recommended Couplings:** Cam and groove

# FOOD HOSE

## FOOD - THERMOPLASTIC AND PVC

### NEPTUNE STATIC PVC SUCTION (FOOD GRADE)



**APPLICATION:**Suction and discharge of liquids and powders where moderate abrasion is a factor. Built in static wire assists in dissipating static electricity.

**COVER:**Corrugated clear PVC.

**REINFORCEMENT:**Clear rigid PVC helix with integral static wire.

**TUBE:**Smooth clear PVC.

**TEMPERATURE:**-23C to +65C(-10F to +150F)

Item No	Nom. ID"	Nom. OD"	Vacuum	PSI	Bend Radius"	Std Pack	Weight#
NEPST-150	1-1/2	1.93	28	50	3.00	100'	0.43
NEPST-200	2	2.48	28	40	4.00	100'	0.58
NEPST-250	2-1/2	3.07	28	40	5.00	100'	0.89
NEPST-300	3	3.64	28	40	6.00	100'	1.25
NEPST-350	3-1/2	3.93	26	45	10.00	100'	1.55
NEPST-400	4	4.72	24	35	10.00	100'	1.93
NEPST-500	5	5.74	24	30	16.00	100'	2.53
NEPST-600	6	6.81	24	30	18.00	100'	3.70

**Cut Lengths:** Plus 10%

**Standard Length:** 1"to 6" in 100' Lengths

**Product Info:** Compliant with the applicable requirements and standards of FDA USDA and 3-A.

**Safety Info:** Suction and pressure ratings are based on a temperature of 20C (68F), reduce ratings by 50% at maximum working temperature

**Recommended Couplings:** Cam and groove

### NEPTUNE W STATIC PVC SUCTION (FOOD GRADE)



**APPLICATION:**Suction and discharge of solids and powders where moderate abrasion is a factor. Increased flexibility with smooth interior wall for optimum flow throughout the entire length of the hose. Hose wall is not impinged by the helix providing full tube wear ability and longer hose life. The built in static wire is positioned for maximum protection against breakage while maintaining intimate contact with tube.

**COVER:**Corrugated clear PVC.

**REINFORCEMENT:**Clear rigid PVC helix with integral static wire.

**TUBE:**Smooth clear PVC.

**TEMPERATURE:**-23C to +65C(-10F to +150F)

Item No	Nom. ID"	Nom. OD"	Vacuum	PSI	Bend Radius"	Std Pack	Weight#
NEPSTW-150	1-1/2	1.97	28	32	4.00	100'	0.35
NEPSTW-200	2	2.43	28	32	5.00	100'	0.56
NEPSTW-250	2-1/2	3.09	27	25	7.00	100'	0.77
NEPSTW-300	3	3.65	26	25	8.00	100'	1.10
NEPSTW-400	4	4.71	24	19	11.00	100'	1.80

**Cut Lengths:** Plus 10%

**Standard Length:** 1"to 6" in 100' Lengths

**Product Info:** Compliant with the applicable requirements and standards of FDA USDA and 3-A.

**Safety Info:** Suction and pressure ratings are based on a temperature of 20C (68F), reduce ratings by 50% at maximum working temperature

**Recommended Couplings:** Cam and groove

# FOOD HOSE

## FOOD - THERMOPLASTIC AND PVC

### POLYETHYLENE TUBING



**APPLICATION:** Instrumentation tubing and transmission lines for air, liquids and gases.  
**COVER:** Low density extruded milky-white polyethylene tubing manufactured from top quality FDA approved virgin resins.  
**TEMPERATURE:** -45C to 65C (-50F to +150F)

Item No	Nom. ID"	Nom. OD"	PSI	Wall Thickness"	Std Pack	Weight#
PET-013-025	1/8	1/4	150	1/16	2000'	0.01
PET-017-025	0.17	1/4	140	0.04	2000'	0.01
PET-017-025-100	0.17	1/4	140	0.04	100'	0.01
PET-019-031	3/16	5/16	150	1/16	1500'	0.02
PET-025-038	1/4	3/8	125	1/16	500'	0.03
PET-025-038-100	1/4	3/8	125	1/16	100'	0.03
PET-038-050	3/8	1/2	100	1/16	500'	0.04
PET-038-050-100	3/8	1/2	100	1/16	100'	0.04
PET-050-063	1/2	5/8	75	1/16	500'	0.04
PET-050-063-100	1/2	5/8	75	1/16	100'	0.05
PET-063-075	5/8	3/4				0.08
PET-075-088	3/4	7/8				0.10
PETB-017-025	1/2	5/8	75	1/16	500'	0.01

**Cut Lengths:** Plus 30%

**Standard Length:** 500'

**Safety Info:** Working pressure rating is at 21C. Reduce pressure by 50% at maximum working temperature

### PU VAC (FOOD QUALITY)



**APPLICATION:** Ideal for applications where conventional rubber or PVC hose will wear rapidly, i.e. grain transfer, dry foodstuff, abrasive powder recovery, leaf collection. Not recommended for handling liquids  
**COVER:** Corrugated clear abrasion and weather resistant Polyurethane.  
**REINFORCEMENT:** Grey PVC helix.  
**TUBE:** Smooth clear abrasion resistant Polyurethane.  
**TEMPERATURE:** -40C to +65C (-40F to +150F)

Item No	Nom. ID"	Nom. OD"	Vacuum	PSI	Bend Radius"	Std Pack	Weight#
PU-150	1-1/2	1.95	15	15	1.20	100'	0.42
PU-200	2	2.51	15	12	2.00	100'	0.59
PU-250	2-1/2	3.06	15	10	2.50	100'	0.81
PU-300	3	3.66	15	10	3.00	100'	1.18
PU-400	4	4.79	12	9	4.00	100'	1.95
PU-500	5	6.03	10	7	5.00	100'	2.43
PU-600	6	7.29	8	6	7.00	100'	3.51

**Cut Lengths:** Plus 10%

**Standard Length:** 100'

**Product Info:** Compliant with the applicable requirements and standards of FDA USDA and 3-A.

**Safety Info:** Suction and pressure ratings are based on a temperature of 20C (68F), reduce ratings by 50% at maximum working temperature

**Recommended Couplings:** Cam and groove

# FOOD HOSE

## FOOD - THERMOPLASTIC AND PVC

### PU VAC LIGHT (FOOD QUALITY)



**APPLICATION:** Handling abrasive fine powders under low pressure or vacuum. Not recommended for handling liquids.

**COVER:** Corrugated clear abrasion and weather resistant Polyurethane.

**REINFORCEMENT:** Rigid grey PVC helix.

**TUBE:** Smooth clear abrasion resistant Polyurethane.

**TEMPERATURE:** -40C to +65C (-40F to +150F)

Item No	Nom. ID"	Nom. OD"	Vacuum	PSI	Bend Radius"	Std Pack	Weight#
PUL-125	1-1/4	1.46	29	55	0.80	100'	0.22
PUL-150	1-1/2	1.91	15	10	1.20	100'	0.32
PUL-200	2	2.46	15	10	2.00	100'	0.32
PUL-250	2-1/2	3.01	15	9	2.50	100'	0.41
PUL-300	3	3.6	15	8	3.00	100'	0.55
PUL-400	4	4.72	12	7	4.00	100'	0.78
PUL-500	5	5.94	10	6	5.00	100'	0.89
PUL-600	6	7.17	8	5	7.00	100'	1.15
PUL-800	8	9.17	3	3	18.00	100'	1.77

**Cut Lengths:** Plus 10%

**Standard Length:** 100'

**Product Info:** Compliant with the applicable requirements and standards of FDA USDA and 3-A.

**Safety Info:** Suction and pressure ratings are based on a temperature of 20C (68F), reduce ratings by 50% at maximum working temperature

**Recommended Couplings:** Cam and groove

### PU VAC STATIC (FOOD QUALITY)



**APPLICATION:** Ideal for applications where conventional rubber or PVC hose will wear rapidly, i.e. grain transfer, dry foodstuff, abrasive powder recovery, leaf collection. Built in static wire assists in dissipating static electricity. Not recommended for handling liquids

**COVER:** Corrugated clear abrasion and weather resistant Polyurethane.

**REINFORCEMENT:** Rigid grey PVC helix with integral static wire.

**TUBE:** Smooth clear abrasion resistant Polyurethane.

**TEMPERATURE:** -40C to +65C (-40F to +150F)

Item No	Nom. ID"	Nom. OD"	Vacuum	PSI	Bend Radius"	Std Pack	Weight#
PUST-150	1-1/2	1.95	15	15	1.20	100'	0.42
PUST-200	2	2.51	15	12	2.00	100'	0.59
PUST-250	2-1/2	3.06	15	10	2.50	100'	0.81
PUST-300	3	3.66	15	10	3.00	100'	1.81
PUST-400	4	4.79	12	9	4.00	100'	1.95
PUST-600	6	7.29	8	6	7.00	100'	3.51

**Cut Lengths:** Plus 10%

**Standard Length:** 100'

**Product Info:** Compliant with the applicable requirements and standards of FDA USDA and 3-A.

**Safety Info:** Suction and pressure ratings are based on a temperature of 20C (68F), reduce ratings by 50% at maximum working temperature

**Recommended Couplings:** Cam and groove

# FOOD HOSE

## FOOD - THERMOPLASTIC AND PVC

### SUPER WIREVAC (FOOD QUALITY)



**APPLICATION:**An extremely flexible transparent hose for use where full vacuum performance and higher working pressures are required while monitoring the contents of the hose. Ideal for use with most foodstuffs, cosmetics, beverages, and a wide range of chemical solutions. Also suitable for lubricating oils and animal fats.

**COVER:**Smooth clear PVC

**REINFORCEMENT:**Spring steel wire helix and plies of polyester yarn

**TUBE:**Smooth clear PVC

**TEMPERATURE:**-10C to +65C(15F to +150F)

Item No	Nom. ID"	Nom. OD"	Vacuum	PSI	Bend Radius"	Std Pack	Weight#
WIRES-038	3/8	0.73	28	250	1.20	100'	0.18
WIRES-050	1/2	0.81	28	250	1.50	100'	0.20
WIRES-063	5/8	0.98	28	250	2.00	100'	0.25
WIRES-075	3/4	1.17	28	200	2.40	100'	0.34
WIRES-100	1	1.38	28	200	3.00	100'	0.53
WIRES-125	1-1/4	1.69	28	150	3.70	100'	0.60
WIRES-150	1-1/2	1.97	28	150	4.50	100'	0.78
WIRES-200	2	2.50	28	150	5.50	100'	1.20
WIRES-300	3	3.55	28	100	13.00	100'	2.15

**Cut Lengths:** Plus 10%

**Standard Length:** 100'

**Product Info:** Compliant with the applicable requirements and standards of FDA USDA 3-A NSF-51

**Safety Info:** Suction and pressure ratings are based on a temperature of 20C (68F), reduce ratings by 50% at maximum working temperature. This hose has no fabric reinforcement and normally should not be used under pressure for service at temperatures above 25C (75F).

### WIREVAC (FOOD QUALITY)



**APPLICATION:**An extremely flexible transparent hose for use where full vacuum performance is required while monitoring the contents of the hose. Ideal for use with most foodstuffs, cosmetics, beverages, and a wide range of chemical solutions. Also suitable for lubricating oils and animal fats.

**COVER:**Smooth clear PVC

**REINFORCEMENT:**Spring steel wire helix

**TUBE:**Smooth clear PVC

**TEMPERATURE:**-10C to +65C(15F to +150F)

Item No	Nom. ID"	Nom. OD"	Vacuum	PSI	Bend Radius"	Std Pack	Weight#
WIRE-025	1/4	0.50	28	110	1.00	100'	0.09
WIRE-038	3/8	0.59	28	250	1.00	300'	0.11
WIRE-050	1/2	0.71	28	250	1.50	300'	0.12
WIRE-063	5/8	0.87	28	200	2.00	200'	0.17
WIRE-075	3/4	1.02	28	180	2.00	200'	0.24
WIRE-100	1	1.30	28	150	3.00	100'	0.35
WIRE-125	1-1/4	1.61	28	100	3.50	100'	0.50
WIRE-150	1-1/2	1.89	28	85	4.00	100'	0.75
WIRE-200	2	2.44	28	65	5.00	100'	1.09
WIRE-300	3	3.50	28	45	12.00	100'	1.84

**Cut Lengths:** Plus 10%

**Standard Length:** 100'

**Product Info:** Compliant with the applicable requirements and standards of FDA USDA 3-A NSF-51

**Safety Info:** Suction and pressure ratings are based on a temperature of 20C (68F), reduce ratings by 50% at maximum working temperature. This hose has no fabric reinforcement and normally should not be used under pressure for service at temperatures above 25C (75F).

# MATERIAL HANDLING

## MATERIAL HANDLING POLYURETHANE AND PVC

### ARI HEAVY DUTY SUCTION



**APPLICATION:**Used in a variety of material handling application where a good resistance to abrasion is required, such as transfer of sands, plastic pellets, gravel, wood chips, slurries and fly ash. Also for use on vacuum excavation trucks. Cover is a specially formulated static dissipative compound with low temperature flexibility.

**COVER:**Blue HMW PVC up to 5" I.D. Black cover in 6" and 8" I.D

**REINFORCEMENT:**Anti shock rigid pvc helix

**TUBE:**Polyurethane

**TEMPERATURE:**-40C to +65C(-40F to +150F)

Item No	Nom. ID"	Nom. OD"	Vacuum	PSI	Bend Radius"	Std Pack	Weight#
ARIHD-200	2	2.43	29	45	4.00	100'	0.65
ARIHD-250	2-1/2	3.12	29	40	5.00	100'	0.91
ARIHD-300	3	3.71	29	40	6.00	100'	1.23
ARIHD-400	4	4.80	29	35	10.00	100'	2.02
ARIHD-500	5	5.82	28	35	14.00	100'	2.50
ARIHD-600	6	6.87	28	30	18.00	100'	3.84
ARIHD-600-BL	6	6.87	28	30	18.00	100'	3.84
ARIHD-800	8	9.18	28	30	22.00	60'	6.52
ARIHD-800-BL	8	9.18	28	30	22.00	60'	6.52

**Cut Lengths:** Plus 10%

**Standard Length:** 100'

**Safety Info:** : Suction and pressure ratings are based on a temperature of 20C (68F), reduce ratings by 50% at maximum working temperature. This hose has no fabric reinforcement and normally should not be used under pressure for service at temperatures above 25C (75F).

**Recommended Couplings:** Cam and groove

### ARI SUCTION



**APPLICATION:**Used in a variety of material handling application where a good resistance to abrasion is required, such as transfer of sands, plastic pellets, gravel, wood chips, slurries and fly ash. Cover is a specially formulated static dissipative compound with low temperature flexibility.

**COVER:**Black HMW PVC

**REINFORCEMENT:**Anti shock rigid pvc helix

**TUBE:**Polyurethane

**TEMPERATURE:**-40C to +65C(-40F to +150F)

Item No	Nom. ID"	Nom. OD"	Vacuum	PSI	Bend Radius"	Std Pack	Weight#
ARI-200	2	2.41	29	45	3.00	100'	0.59
ARI-250	2-1/2	3.08	29	40	3.00	100'	0.81
ARI-300	3	3.65	29	40	4.00	100'	1.18
ARI-400	4	4.76	29	35	6.00	100'	1.95
ARI-500	5	5.75	28	35	10.00	100'	2.43
ARI-600	6	6.80	28	30	12.00	100'	3.51
ARI-800	8	9.17	28	30	18.00	60'	5.92
ARILD-200	2	2.41	29	45	3.00	100'	0.59

**Cut Lengths:** Plus 10%

**Standard Length:** 100'

**Safety Info:** Suction and pressure ratings are based on a temperature of 20C (68F), reduce ratings by 50% at maximum working temperature. This hose has no fabric reinforcement and normally should not be used under pressure for service at temperatures above 25C (75F).

**Recommended Couplings:** Cam and groove

# MATERIAL HANDLING

## MATERIAL HANDLING POLYURETHANE AND PVC

### B - FLEX (FOOD GRADE)



**APPLICATION:**Conveying of dry powders, grains and plastic pellets where viewing the product and flexibility is important.

**COVER:**Corrugated clear PVC.

**REINFORCEMENT:**Clear rigid PVC helix

**TUBE:**Smooth clear PVC

**TEMPERATURE:**-23C to +65C(-10F to +150F)

Item No	Nom. ID"	Nom. OD"	Vacuum	PSI	Bend Radius"	Std Pack	Weight#
BFL-100	1	1.22	29	45	2.00	100'	0.15
BFL-125	1-1/4	1.48	29	35	2.50	100'	0.18
BFL-150	1-1/2	1.83	29	35	2.50	100'	0.28
BFL-200	2	2.35	29	35	3.00	100'	0.44
BFL-250	2-1/2	2.90	29	30	5.00	100'	0.60
BFL-300	3	3.50	29	25	6.00	100'	0.85
BFL-39-MM	39mm	1.88	29	45	3.00	100'	0.29

**Cut Lengths:** Plus 10%

**Standard Length:** 100'

**Product Info:** Compliant with the applicable requirements and standards of FDA USDA and 3-A.

**Safety Info:** Suction and pressure ratings are based on a temperature of 20C (68F), reduce ratings by 50% at maximum working temperature

**Recommended Couplings:** Cam and groove

### B - FLEX (STATIC) (FOOD GRADE)



**APPLICATION:**Conveying of dry powders, grains and plastic pellets where viewing the product, flexibility and static electricity is important.

**COVER:**Corrugated clear PVC.

**REINFORCEMENT:**Clear rigid PVC helix with integral static wire.

**TUBE:**Smooth clear PVC

**TEMPERATURE:**-23C to +65C(-10F to +150F)

Item No	Nom. ID"	Nom. OD"	Vacuum	PSI	Bend Radius"	Std Pack	Weight#
BFLST-150	1-1/2	1.83	29	35	2.50	100'	0.28
BFLST-200	2	2.35	29	35	3.00	100'	0.44
BFLST-250	2 1/2	2.90	29	30	5.00	100'	0.60
BFLST-300	3	3.50	29	25	6.00	100'	0.85
BFLST-39-MM	39mm	1.88	29	45	3.00	100'	0.29

**Cut Lengths:** Plus 10%

**Standard Length:** 100'

**Product Info:** Compliant with the applicable requirements and standards of FDA USDA and 3-A.

**Safety Info:** Suction and pressure ratings are based on a temperature of 20C (68F), reduce ratings by 50% at maximum working temperature

**Recommended Couplings:** Cam and groove



# MATERIAL HANDLING

## MATERIAL HANDLING POLYURETHANE AND PVC

### GREY PVC VACUUM



**APPLICATION:**An economical hose for suction of air, fumes, sawdust, and powders in light duty applications.  
**COVER:**Grey corrugated PVC for maximum flexibility.  
**REINFORCEMENT:**Rigid PVC helix.  
**TUBE:**Smooth grey PVC.  
**TEMPERATURE:**-23C to +65C(-10F to +150F)

Item No	Nom. ID"	Nom. OD"	Vacuum	PSI	Bend Radius"	Std Pack	Weight#
GRVAC-075	3/4	1.02	28	30	1.00	100'	0.08
GRVAC-100	1	1.20	28	28	2.00	100'	0.13
GRVAC-125	1-1/4	1.46	28	22	2.50	100'	0.16
GRVAC-150	1-1/2	1.79	28	22	2.50	100'	0.24
GRVAC-200	2	2.30	28	15	3.00	100'	0.35
GRVAC-250	2-1/2	2.76	28	15	5.00	100'	0.51
GRVAC-300	3	3.43	28	15	6.00	100'	0.71
GRVAC-400	4	4.55	28	15	9.00	100'	1.15
GRVAC-500	5	5.50	10	12	8.00	100'	1.10

**Cut Lengths:** Plus 10%

**Standard Length:** 100'

**Safety Info:** Suction and pressure ratings are based on a temperature of 20C (68F), reduce ratings by 50% at maximum working temperature

### NEPTUNE PVC SUCTION (FOOD GRADE)



**APPLICATION:**Suction and discharge of liquids and powders where moderate abrasion is a factor.  
**COVER:**Corrugated clear PVC.  
**REINFORCEMENT:**Clear rigid PVC helix  
**TUBE:**Smooth clear PVC.  
**TEMPERATURE:**-23C to +65C(-10F to +150F)

Item No	Nom. ID"	Nom. OD"	Vacuum	PSI	Bend Radius"	Std Pack	Weight#
NEP-100	1	1.30	28	55	2.00	100'	0.21
NEP-150	1-1/2	1.92	28	50	3.00	100'	0.35
NEP-200	2	2.40	28	40	4.00	100'	0.56
NEP-250	2-1/2	2.99	28	40	5.00	100'	0.77
NEP-300	3	3.64	28	40	6.00	100'	1.10
NEP-400	4	4.72	24	35	10.00	100'	1.80
NEP-500	5	5.74	24	30	16.00	100'	2.34
NEP-600	6	6.91	24	30	18.00	100'	3.70
NEP-800	8	8.97	20	20	36.00	60'	5.53

**Cut Lengths:** Plus 10%

**Standard Length:** 1" to 6" in 100' Lengths

**Product Info:** Compliant with the applicable requirements and standards of FDA USDA and 3-A.

**Safety Info:** Suction and pressure ratings are based on a temperature of 20C (68F), reduce ratings by 50% at maximum working temperature

**Recommended Couplings:** Cam and groove

# MATERIAL HANDLING

## MATERIAL HANDLING POLYURETHANE AND PVC

### NEPTUNE STATIC PVC SUCTION (FOOD GRADE)



**APPLICATION:**Suction and discharge of liquids and powders where moderate abrasion is a factor. Built in static wire assists in dissipating static electricity.

**COVER:**Corrugated clear PVC.

**REINFORCEMENT:**Clear rigid PVC helix with integral static wire.

**TUBE:**Smooth clear PVC.

**TEMPERATURE:**-23C to +65C(-10F to +150F)

Item No	Nom. ID"	Nom. OD"	Vacuum	PSI	Bend Radius"	Std Pack	Weight#
NEPST-150	1-1/2	1.93	28	50	3.00	100'	0.43
NEPST-200	2	2.48	28	40	4.00	100'	0.58
NEPST-250	2-1/2	3.07	28	40	5.00	100'	0.89
NEPST-300	3	3.64	28	40	6.00	100'	1.25
NEPST-350	3-1/2	3.93	26	45	10.00	100'	1.55
NEPST-400	4	4.72	24	35	10.00	100'	1.93
NEPST-500	5	5.74	24	30	16.00	100'	2.53
NEPST-600	6	6.81	24	30	18.00	100'	3.70

**Cut Lengths:** Plus 10%

**Standard Length:** 1"to 6" in 100' Lengths

**Product Info:** Compliant with the applicable requirements and standards of FDA USDA and 3-A.

**Safety Info:** Suction and pressure ratings are based on a temperature of 20C (68F), reduce ratings by 50% at maximum working temperature

**Recommended Couplings:** Cam and groove

### NEPTUNE W STATIC PVC SUCTION (FOOD GRADE)



**APPLICATION:**Suction and discharge of solids and powders where moderate abrasion is a factor. Increased flexibility with smooth interior wall for optimum flow throughout the entire length of the hose. Hose wall is not impinged by the helix providing full tube wear ability and longer hose life. The built in static wire is positioned for maximum protection against breakage while maintaining intimate contact with tube.

**COVER:**Corrugated clear PVC.

**REINFORCEMENT:**Clear rigid PVC helix with integral static wire.

**TUBE:**Smooth clear PVC.

**TEMPERATURE:**-23C to +65C(-10F to +150F)

Item No	Nom. ID"	Nom. OD"	Vacuum	PSI	Bend Radius"	Std Pack	Weight#
NEPSTW-150	1-1/2	1.97	28	32	4.00	100'	0.35
NEPSTW-200	2	2.43	28	32	5.00	100'	0.56
NEPSTW-250	2-1/2	3.09	27	25	7.00	100'	0.77
NEPSTW-300	3	3.65	26	25	8.00	100'	1.10
NEPSTW-400	4	4.71	24	19	11.00	100'	1.80

**Cut Lengths:** Plus 10%

**Standard Length:** 1"to 6" in 100' Lengths

**Product Info:** Compliant with the applicable requirements and standards of FDA USDA and 3-A.

**Safety Info:** Suction and pressure ratings are based on a temperature of 20C (68F), reduce ratings by 50% at maximum working temperature

**Recommended Couplings:** Cam and groove

# MATERIAL HANDLING

## MATERIAL HANDLING POLYURETHANE AND PVC

### PU VAC (FOOD QUALITY)



**APPLICATION:** Ideal for applications where conventional rubber or PVC hose will wear rapidly, i.e. grain transfer, dry foodstuff, abrasive powder recovery, leaf collection. Not recommended for handling liquids  
**COVER:** Corrugated clear abrasion and weather resistant Polyurethane.

**REINFORCEMENT:** Grey PVC helix.

**TUBE:** Smooth clear abrasion resistant Polyurethane.

**TEMPERATURE:** -40C to +65C (-40F to +150F)

Item No	Nom. ID"	Nom. OD"	Vacuum	PSI	Bend Radius"	Std Pack	Weight#
PU-150	1-1/2	1.95	15	15	1.20	100'	0.42
PU-200	2	2.51	15	12	2.00	100'	0.59
PU-250	2-1/2	3.06	15	10	2.50	100'	0.81
PU-300	3	3.66	15	10	3.00	100'	1.18
PU-400	4	4.79	12	9	4.00	100'	1.95
PU-500	5	6.03	10	7	5.00	100'	2.43
PU-600	6	7.29	8	6	7.00	100'	3.51

**Cut Lengths:** Plus 10%

**Standard Length:** 100'

**Product Info:** Compliant with the applicable requirements and standards of FDA USDA and 3-A.

**Safety Info:** Suction and pressure ratings are based on a temperature of 20C (68F), reduce ratings by 50% at maximum working temperature

**Recommended Couplings:** Cam and groove

### PU VAC LIGHT (FOOD QUALITY)



**APPLICATION:** Handling abrasive fine powders under low pressure or vacuum. Not recommended for handling liquids.

**COVER:** Corrugated clear abrasion and weather resistant Polyurethane.

**REINFORCEMENT:** Rigid grey PVC helix.

**TUBE:** Smooth clear abrasion resistant Polyurethane.

**TEMPERATURE:** -40C to +65C (-40F to +150F)

Item No	Nom. ID"	Nom. OD"	Vacuum	PSI	Bend Radius"	Std Pack	Weight#
PUL-125	1-1/4	1.46	29	55	0.80	100'	0.22
PUL-150	1-1/2	1.91	15	10	1.20	100'	0.32
PUL-200	2	2.46	15	10	2.00	100'	0.32
PUL-250	2-1/2	3.01	15	9	2.50	100'	0.41
PUL-300	3	3.6	15	8	3.00	100'	0.55
PUL-400	4	4.72	12	7	4.00	100'	0.78
PUL-500	5	5.94	10	6	5.00	100'	0.89
PUL-600	6	7.17	8	5	7.00	100'	1.15
PUL-800	8	9.17	3	3	18.00	100'	1.77

**Cut Lengths:** Plus 10%

**Standard Length:** 100'

**Product Info:** Compliant with the applicable requirements and standards of FDA USDA and 3-A.

**Safety Info:** Suction and pressure ratings are based on a temperature of 20C (68F), reduce ratings by 50% at maximum working temperature

**Recommended Couplings:** Cam and groove

# MATERIAL HANDLING

## MATERIAL HANDLING POLYURETHANE AND PVC

### PU VAC STATIC (FOOD QUALITY)



**APPLICATION:** Ideal for applications where conventional rubber or PVC hose will wear rapidly, i.e. grain transfer, dry foodstuff, abrasive powder recovery, leaf collection. Built in static wire assists in dissipating static electricity. Not recommended for handling liquids

**COVER:** Corrugated clear abrasion and weather resistant Polyurethane.

**REINFORCEMENT:** Rigid grey PVC helix with integral static wire.

**TUBE:** Smooth clear abrasion resistant Polyurethane.

**TEMPERATURE:** -40C to +65C (-40F to +150F)

Item No	Nom. ID"	Nom. OD"	Vacuum	PSI	Bend Radius"	Std Pack	Weight#
PUST-150	1-1/2	1.95	15	15	1.20	100'	0.42
PUST-200	2	2.51	15	12	2.00	100'	0.59
PUST-250	2-1/2	3.06	15	10	2.50	100'	0.81
PUST-300	3	3.66	15	10	3.00	100'	1.81
PUST-400	4	4.79	12	9	4.00	100'	1.95
PUST-600	6	7.29	8	6	7.00	100'	3.51

**Cut Lengths:** Plus 10%

**Standard Length:** 100'

**Product Info:** Compliant with the applicable requirements and standards of FDA USDA and 3-A.

**Safety Info:** Suction and pressure ratings are based on a temperature of 20C (68F), reduce ratings by 50% at maximum working temperature

**Recommended Couplings:** Cam and groove

### VAPOUR THANE DUST & VAPOUR RECOVERY HOSE



**APPLICATION:** Vapour recovery from petroleum transfer operations. Embedded static wire serves to dissipate static electricity. NOT SUITABLE FOR CONVEYING LIQUIDS

**COVER:** Corrugated clear abrasion and weather resistant polyurethane.

**REINFORCEMENT:** Yellow PVC helix with integral static wire. HD Version has Red Helix

**TUBE:** Clear fuel resistant polyurethane

**TEMPERATURE:** -40C to +65C (-40F to +150F)

Item No	Nom. ID"	Nom. OD"	Vacuum	PSI	Bend Radius"	Std Pack	Weight#
VT-200	2	2.46	15	17	3.00	100'	0.50
VT-300	3	3.57	15	11	3.50	100'	0.78
VT-400	4	4.60	12	9	4.50	100'	1.10
VTHD-300	3	3.57	15	13	4.00	100'	0.95
VTHD-400	4	4.62	12	11	5.00	100'	1.27

**Cut Lengths:** Plus 10%

**Standard Length:** 100'

**Product Info:** Compliant with the applicable requirements and standards of FDA USDA and 3-A.

**Safety Info:** Suction and pressure ratings are based on a temperature of 20C (68F), reduce ratings by 50% at maximum working temperature

**Recommended Couplings:** Cam and groove

# MATERIAL HANDLING

## MATERIAL HANDLING RUBBER

### ARS SUCTION



**APPLICATION:** Used in a variety of material handling application where a good resistance to abrasion is required, such as transfer of crushed rock, sand, pea gravel, cement, dry fertilizer, grain and ore. Cover and tube are specially formulated static dissipative compound.

**COVER:** SBR rubber mixed with static carbon black

**REINFORCEMENT:** Rigid pvc helix

**TUBE:** SBR rubber mixed with static carbon black

**TEMPERATURE:** -40C to +60C (-40F to +140F)

Item No	Nom. ID"	Nom. OD"	Vacuum	PSI	Bend Radius"	Std Pack	Weight#
ARS-150	1-1/2	1.82	29	45	2.00	100	0.370
ARS-200	2	2.35	29	40	2.50	100	0.500
ARS-250	2-1/2	2.95	29	35	2.50	100	0.730
ARS-300	3	3.50	29	35	3.00	100	1.100
ARS-400	4	4.63	29	30	4.50	100	1.770
ARS-500	5	5.76	28	30	5.00	100	2.470
ARS-600	6	6.73	28	30	9.20	100	3.080
ARS-800	8	9.04	27	30	15.00	100	5.650

**Cut Lengths:** Plus 10%

**Standard Length:** 100'

**Recommended Couplings:** Cam and groove

### AZTEC SLURRY HOSE



**APPLICATION:** Primarily designed for handling abrasive slurries in mines and quarries. Can also be used for dry material handling of sand, gravel, grain, slag, and other such materials. External re-usable bolt on flanges allow for ease of installation, and uninterrupted free flow.

**COVER:** Thick black corrugated abrasion and weather resistant synthetic blend. Specially compounded to stand up to heavy abuse in mines and quarries.

**REINFORCEMENT:** Multiple layers of high tensile synthetic cords enveloping an extra heavy duty wire helix.

**TUBE:** Ultra high quality blended rubber tube 3/8" thick red tube.

**TEMPERATURE:** -40C to +80C (-40F to +180F)

Item No	Nom. ID"	Nom. OD"	Vacuum	PSI	Bend Radius"	Std Pack	Weight#
AZ-200	2	2.99	30	150	11.00	100'	3.50
AZ-300	3	4.49	30	150	14.00	100'	5.25
AZ-400	4	5.27	30	150	18.00	100'	5.40
AZ-500	5	6.45	30	150	24.00	100'	6.55
AZ-600	6	7.48	30	150	28.00	100'	10.38
AZ-800	8	9.53	30	150	48.00	60'	13.64
AZ-1000	10	11.49	30	150	60.00	40'	15.07
AZ-1200	12	13.74	30	150	90.00	20'	23.83

**Cut Lengths:** Plus 10%

**Standard Length:** 3" to 6" - 100' -- 8" -60' -- 10" and 12" - 20':

**Recommended Couplings:** Aluminum or Ductile Split Flange

# MATERIAL HANDLING

## MATERIAL HANDLING RUBBER

### BULKMASTER HARDWALL



**APPLICATION:** Dry bulk suction and discharge including limestone, ground silica, chalk, dry cement, fertilizer etc. May also be used for wet abrasive applications.

**COVER:** Black abrasion and weather resistant synthetic rubber.

**REINFORCEMENT:** A high tensile steel helix embedded between layers of textile cords.

**TUBE:** Black abrasion resistant natural rubber 3/16" thick.

**TEMPERATURE:** -30C to +80C (-25F to +180F)

Item No	Nom. ID"	Nom. OD"	Vacuum	PSI	Bend Radius"	Std Pack	Weight#
BHB-300	3	3.70	29	150	27.00	100'	2.40
BHB-400	4	4.80	29	100	36.00	100'	4.41
BHB-400-313	4	5.01	29	100	38.00	100'	4.60
BHB-500	5	5.79	29	100	40.00	100'	4.29

**Cut Lengths:** Plus 10%

**Standard Length:** 100'

**Product Info:** Longer lengths available, check for price and availability

**Recommended Couplings:** Cam and groove. All coupling recommendations are to be used as guidelines and are derived from past user preference. In some cases the preferred coupling is of a lesser pressure rating than the hose. Never exceed the working pressure of the lowest rated component in the assembly. If you require further assistance with regards to coupling choice, please contact Harco Ent. customer service at 1-800-361-5361

### BULKMASTER SOFTWALL



**APPLICATION:** Dry bulk discharge including limestone, ground silica, chalk, dry cement, fertilizer etc. May also be used for wet abrasive applications.

**COVER:** Black abrasion and weather resistant synthetic rubber.

**REINFORCEMENT:** Multiple layers of high tensile synthetic cords.

**TUBE:** Black abrasion resistant ant-static natural rubber in 1/8", 3/16" and 1/4"

**TEMPERATURE:** -30C to +80C (-25F to +180F)

Item No	Nom. ID"	Nom. OD"	PSI	Std Pack	Weight#
BSB-300-187	3	3.62	75	100'	1.67
BSB-400-125	4	4.49	75	100'	1.78
BSB-400-187	4	4.64	75	100'	2.33
BSB-400-250	4	4.72	75	100'	2.65
BSB-400-375	4	5.00	75	100'	3.80
BSB-450-125	4-1/2	5.00	75	100'	2.09
BSB-500-125	5	5.51	75	100'	2.30
BSB-500-187	5	5.63	75	100'	2.75
BSB-500-250	5	5.79	75	100'	3.50
BSB-500-313	5	5.93	75	100'	3.58
BSB-500-375	5	6.06	75	100'	3.63
BSB-600-187	6	6.65	75	100'	3.30
BSB-600-250	6	6.81	75	100'	4.29

**Cut Lengths:** Plus 10%

**Standard Length:** 100'

**Product Info:** Longer lengths available, check for price and availability

**Recommended Couplings:** Cam and groove. All coupling recommendations are to be used as guidelines and are derived from past user preference. In some cases the preferred coupling is of a lesser pressure rating than the hose. Never exceed the working pressure of the lowest rated component in the assembly. If you require further assistance with regards to coupling choice, please contact Harco Ent. customer service at 1-800-361-5361

# MATERIAL HANDLING

## MATERIAL HANDLING RUBBER

### CONCRETE PLACEMENT



**APPLICATION:** Conducting wet cement, plaster, grout, and concrete at high pressure.

**COVER:** Black cut and abrasion resistant synthetic rubber.

**REINFORCEMENT:** Multiple layers of high tensile synthetic cords.

**TUBE:** Black abrasion resistant natural rubber.

**TEMPERATURE:** -35C to +80C (-30F to +180F)

Item No	Nom. ID"	Nom. OD"	PSI	Std Pack	Weight#
CPB-150	1-1/2	2.28	800	100'	1.13
CPB-200	2	2.83	800	100'	1.56
CPB-250	2-1/2	3.38	800	100'	2.35
CPB-300	3	3.90	600	100'	2.35
CPB-400	4	4.92	550	100'	3.81

**Cut Lengths:** Plus 10%

**Standard Length:** 50'/100'

**Recommended Couplings:** Swaged on concrete fittings

### CONCRETE PLACEMENT WIRE REINFORCED



**APPLICATION:** Conducting wet cement, plaster, grout, and concrete at high pressure.

**COVER:** Black cut and abrasion resistant synthetic rubber.

**REINFORCEMENT:** 4 plies of steel cables.

**TUBE:** Black abrasion resistant natural rubber.

**TEMPERATURE:** -35C to +80C (-30F to +180F)

Item No	Nom. ID"	Nom. OD"	PSI	Std Pack	Weight#
CPW-250	2-1/2	3.35	1450	100'	2.71
CPW-300	3	3.94	1450	100'	3.47
CPW-400	4	5.01	1015	100'	4.57
CPW-500	5	6.00	1015	100'	5.00

**Cut Lengths:** Plus 10%

**Standard Length:** 50'/100'

**Recommended Couplings:** Swaged on concrete fittings

### GUNITE



**APPLICATION:** For conveying dry sand and cement in guniting operations. Also suitable for general material handling applications where a thick cut and abrasion resistant tube is required.

**COVER:** Tan abrasion and weather resistant synthetic rubber.

**REINFORCEMENT:** Multiple layers of synthetic textile cords with embedded static wire.

**TUBE:** Tan 1/4" thick natural rubber for maximum cut and abrasion resistance.

**TEMPERATURE:** -32C to +80C (-25F to +180F)

Item No	Nom. ID"	Nom. OD"	PSI	Std Pack	Weight#
GTT-150	1-1/2	2.44	150	100'	1.41
GTT-175	1-3/4	2.75	150	100'	1.81
GTT-200	2	2.87	150	100'	1.61

**Cut Lengths:** POA

**Standard Length:** 50/100

**Product Info:** Longer lengths available, check for price and availability

**Recommended Couplings:** Proprietary gunite fittings

# MATERIAL HANDLING

## MATERIAL HANDLING RUBBER

### INDUSTRIAL VACUUM



**APPLICATION:** For handling abrasive dust from wood, metal, rock, marble and concrete grinding machines under vacuum.  
**COVER:** Black abrasion resistant rubber, corrugated for flexibility.  
**REINFORCEMENT:** A high tensile steel helix embedded between layers of textile cords.  
**TUBE:** 1/16 black abrasion resistant synthetic rubber standard. 1/8 thick tube stocked in 4", other sizes available on request.  
**TEMPERATURE:** -30C to +80C(-25F to +180F)

Item No	Nom. ID"	Nom. OD"	Vacuum	PSI	Bend Radius"	Std Pack	Weight#
IVB-100	1	1.38	24	40	4.00	100'	0.39
IVB-125	1-1/4	1.65	24	40	5.00	100'	0.48
IVB-150	1-1/2	1.97	24	40	6.00	100'	0.60
IVB-200	2	2.40	20	40	7.00	100'	1.06
IVB-250	2-1/2	2.95	18	40	10.00	100'	1.03
IVB-300	3	3.42	14	40	12.00	100'	1.20
IVB-350	3-1/2	3.90	12	40	14.00	100'	1.29
IVB-400	4	4.45	12	40	15.00	100'	2.94
IVB-450	4-1/2	4.96	10	40	18.00	100'	3.74
IVB-500	5	5.51	10	40	22.00	100'	4.54
IVB-600	6	6.53	10	40	24.00	100'	3.84

**Cut Lengths:** Plus 10%

**Standard Length:** 100'

**Product Info:** Longer lengths available, check for price and availability

**Recommended Couplings:** Cam and groove, combination nipple. Crimplok cam and groove, Crimplok combination nipple. All coupling recommendations are to be used as guidelines and are derived from past user preference. In some cases the preferred coupling is of a lesser pressure rating than the hose. Never exceed the working pressure of the lowest rated component in the assembly. If you require further assistance with regards to coupling choice, please contact Harco Ent. customer service at 1-800-361-5361

### INDUSTRIAL VACUUM HEAVY DUTY



**APPLICATION:** For handling abrasive dust from wood, metal, rock, marble and concrete grinding machines under vacuum.  
**COVER:** Black abrasion resistant rubber, corrugated for flexibility.  
**REINFORCEMENT:** A high tensile steel helix embedded between layers of textile cords.  
**TUBE:** 1/4" or 1/8" red Pure Gum abrasion resistant rubber standard.  
**TEMPERATURE:** -30C to +80C(-25F to +180F)

Item No	Nom. OD"	Vacuum	PSI	Bend Radius"	Std Pack	Weight#
IVB-300-125RPG	3.58	28	90	15.00	100'	1.61
IVB-400-125RPG	4.61	28	90	20.00	100'	2.80
IVB-400-250RPG	4.88	28	90	20.00	100'	3.11
IVB-600-125RPG	6.65	28	60	24.00	100'	4.08
IVB-600-250RPG	6.95	28	60	24.00	100'	5.91
IVB-800-125RPG	8.78	28	50	30.00	100'	7.48
IVB-800-250RPG	9.01	28	50	30.00	100'	10.23

**Cut Lengths:** Plus 10%

**Standard Length:** 100'

**Product Info:** Longer lengths available, check for price and availability

**Recommended Couplings:** Cam and groove, combination nipple. Crimplok cam and groove, Crimplok combination nipple. All coupling recommendations are to be used as guidelines and are derived from past user preference. In some cases the preferred coupling is of a lesser pressure rating than the hose. Never exceed the working pressure of the lowest rated component in the assembly. If you require further assistance with regards to coupling choice, please contact Harco Ent. customer service at 1-800-361-5361



# MATERIAL HANDLING

## MATERIAL HANDLING RUBBER

### INDUSTRIAL VACUUM HEAVY DUTY LENGTHS



**APPLICATION:** For handling abrasive dust from wood, metal, rock, marble and concrete grinding machines under vacuum.

**COVER:** Black abrasion resistant rubber, corrugated for flexibility.

**REINFORCEMENT:** A high tensile steel helix embedded between layers of textile cords.

**TUBE:** 1/4" or 1/8" red Pure Gum abrasion resistant rubber standard.

**TEMPERATURE:** -30C to +80C (-25F to +180F)

Item No	Assembly Description	Nom. OD"	Vacuum	PSI	Bend Radius"	Weight#
IVB-600-250RPG2	6" X 25' H.D.IND VAC. 1/4" RED W/CUFFS	6.95	28	60	24.00	162.50
IVB-600-250RPG3	6" X 32' H.D.IND VAC. 1/4" RED W/CUFFS	6.95	28	60	24.00	189.12
IVB-800-250RPG1	8" X 22' H.D.IND VAC. 1/4" RED W/CUFFS	9.01	28	50	30.00	167.20
IVB-800-250RPG2	8" X 25' H.D.IND VAC. 1/4" RED W/CUFFS	9.01	28	50	30.00	190.00
IVB-800-250RPG3	8" X 32' H.D.IND VAC. 1/4" RED W/CUFFS	9.01	28	50	30.00	243.80
IVB-800-250RPG4	8"X40' HD IND VAC 1/4" RED W/CUFF ONE END	9.01	28	50	30.00	409.20
IVB-800-250RPG7	8" X 70' HD IND VAC 1/4" RED TUBE	9.01	28	50	30.00	716.10

# MATERIAL HANDLING

## MATERIAL HANDLING RUBBER

### SANDBLAST



**APPLICATION:** For conducting sand, steel shot, and other abrasives for blast cleaning.

**COVER:** Black static conductive synthetic rubber.

**REINFORCEMENT:** Two (SBB) or Four (SBB4) layers of synthetic textile cords.

**TUBE:** Thick black static conductive abrasion resistant natural rubber.

**TEMPERATURE:** -35C to +80C (-30F to +180F)

Item No	Nom. ID"	Nom. OD"	PSI	Std Pack	Weight#
SBB-050-100L	1/2	1.20	150	100'	0.47
SBB-050-100S	1/2	1.14	150	100'	0.44
SBB-050-100U	1/2	1.08	150	100'	0.37
SBB-050-400L	1/2	1.19	150	400'	0.40
SBB-050-400S	1/2	1.13	150	400'	0.36
SBB-050-400U	1/2	1.06	150	400'	0.34
SBB-050-50L	1/2	1.20	150	50'	0.47
SBB-050-50S	1/2	1.14	150	50'	0.44
SBB-050-50U	1/2	1.08	150	50'	0.37
SBB-075-100	3/4	1.50	150	100'	0.68
SBB-075-400	3/4	1.50	150	400'	0.65
SBB-075-50	3/4	1.50	150	50'	0.68
SBB-100-100S	1	1.89	150	100'	1.00
SBB-100-100U	1	1.50	150	100'	0.51
SBB-100-400S	1	1.88	150	100'	0.98
SBB-100-400U	1	1.50	150	400'	0.55
SBB-100-50S	1	1.89	150	50'	1.00
SBB-100-50U	1	1.50	150	50'	0.51
SBB-125-100S	1-1/4	2.16	150	100'	1.22
SBB-125-100U	1-1/4	1.89	150	100'	0.79
SBB-125-400S	1-1/4	2.16	150	400'	1.20
SBB-125-400U	1-1/4	1.88	150	400'	0.75
SBB-125-50S	1-1/4	2.16	150	50'	1.22
SBB-125-50U	1-1/4	1.89	150	50'	0.79
SBB-150-100	1-1/2	2.36	150	100'	1.36
SBB-150-400	1-1/2	2.38	150	400'	1.33
SBB-150-50	1-1/2	2.36	150	50'	1.36
SBB-200-100	2	2.87	150	100'	1.70
SBB-200-400	2	2.88	150	400'	1.64
SBB-200-50	2	2.87	150	50'	1.70
SBB-238-50			150	50'	2.24
SBB-250	2-1/2	3.42	150	100'	2.21
SBB-300	3	3.98	150	100'	2.57
SBB4-100-100S	1	1.88	150	100'	0.98
SBB4-125-100S	1-1/4	2.16	150	100'	1.26
SBB4-150-100	1-1/2	2.38	150	100'	1.33

**Cut Lengths:** Plus 10%

**Standard Length:** 50'/100'

**Product Info:** Longer lengths available up to 200'. Surcharges may apply

**Recommended Couplings:** Sandblast

# MATERIAL HANDLING

## MATERIAL HANDLING RUBBER

### TAN BULKMASTER



**APPLICATION:** Suction and discharge of non-oily, wet and dry abrasive materials such as corn, flour, sand, limestone powder, plastic pellets and sugar.

**COVER:** Tan non-marking, weather resistant EPDM, corrugated for flexibility.

**REINFORCEMENT:** A high tensile steel helix embedded between layers of textile cords.

**TUBE:** Tan smooth abrasion resistant, 3/16" FDA approved natural rubber.

**TEMPERATURE:** -32C to +80C (-25F to +180F)

Item No	Nom. ID"	Nom. OD"	Vacuum	PSI	Bend Radius"	Std Pack	Weight#
TBT-200	2	2.72	29	65	7.00	100'	1.54
TBT-250	2-1/2	3.19	29	65	8.00	100'	1.84
TBT-300	3	3.70	29	65	10.00	100'	2.17
TBT-400	4	4.76	29	50	14.00	100'	3.33
TBT-500	5	5.79	29	50	20.00	100'	3.24
TBT-600	6	6.77	29	50	24.00	100'	5.25
TBT-800	8	8.97	29	50	30.00	100'	8.72

**Cut Lengths:** Plus 10%

**Standard Length:** 100'

**Recommended Couplings:** Cam and groove

### TURBO VAC HOSE



**APPLICATION:** Specially convoluted construction for use on street sweeping machine to collect leaves, grass and general debris.

**COVER:** Black corrugated synthetic and natural rubbers compounded to resist weather, ozone and abrasion.

**REINFORCEMENT:** Textile cord and steel helix

**TUBE:** Black convoluted synthetic and natural rubbers compounded to resist abrasion

**TEMPERATURE:** -30C to +85C (-25F to +185F)

Item No	Nom. ID"	Nom. OD"	Bend Radius"	Std Pack	Weight#
TURVC-800-42	8	8.39	15.75	40"	3.30
TURVC-1200-40	12	12.28	23.62	42"	5.61

# COMPOSITE HOSE

## CHEMICAL

### CHEMICAL COMPOSITE HOSE



**APPLICATION:** Chemslink hose is suitable for heavy duty suction and discharge of bulk chemicals in road and rail tanker, dockside and ship to shore applications.  
**COVER:** Green cover with double layer of abrasion resistant PVC coated fabric  
**REINFORCEMENT:** Inner wire is polypropylene coated carbon steel and Outer wire is galvanized steel. Complies with EN 13765 Type 3 and AS 2117 Type 2 Grade 1 and 2. Electrical continuity is maintained by both hose wires being securely connected to the fittings.  
**TUBE:** Heavy duty polypropylene film  
**TEMPERATURE:** -30C to +100C (-22F to +212F)

Item No	Nom. ID"	Nom. OD"	PSI	Bend Radius"	Std Pack	Weight#
SLINKC-100-100	1	0.00	250	0.00	100'	0.00
SLINKC-200-100	2	2.68	250	7.08	100'	1.17
SLINKC-300-100	3	3.86	250	9.44	100'	1.92
SLINKC-400-100	4	4.72	250	16.93	100'	2.83
SLINKC-600-50	6	6.89	250	21.65	50'	0.00
SLINKC-600-60	6	6.89	250	21.65	60'	0.00
SLINKC-800-50	8	9.44	250	29.53	50'	0.00
SLINKC-800-60	8	9.44	250	29.53	60'	0.00

**Cut Lengths:** Coupled lengths available, call for pricing

**Standard Length:** 50/60'

**Recommended Couplings:** Crimp Composite Style.

## PETROLEUM

### PETROLEUM COMPOSITE HOSE



**APPLICATION:** Petroslink High Temp hose is Ideal for the transfer of hot viscous petroleum by-products such as tar and bitumen.  
**COVER:** Grey cover with double layer of abrasion resistant PVC coated fabric  
**REINFORCEMENT:** Inner and outer wires are galvanized mild steel. Complies with EN-13765 Type 4 hose. Electrical continuity is maintained by both hose wires being securely connected to fittings.  
**TUBE:** Made from several layers of thermoplastic PTFE liners, polyamide fabrics and films with Fibre Glass cloth  
**TEMPERATURE:** -30C to +110C (-22F to +230F)

Item No	Nom. ID"	Nom. OD"	PSI	Bend Radius"	Std Pack	Weight#
SLINKP-200-100	2	2.64	250	8.85	100'	1.20
SLINKP-300-100	3	3.77	250	11.81	100'	2.20
SLINKP-400-100	4	4.72	250	15.75	100'	3.60
SLINKP-600-100	6	6.89	250	21.65	100'	0.00
SLINKP-800-50	8	9.45	250	29.52	50'	0.00
SLINKP-800-60	8	9.45	250	29.52	60'	0.00

**Cut Lengths:** Coupled lengths available, call for pricing

**Standard Length:** 50/60'

**Recommended Couplings:** Crimp Composite Style.

# PETROLEUM STEAM AND CHEMICAL HOSE

## CHEMICAL

### FLEXCHEM S



**APPLICATION:**The (UHMW) Ultra High Molecular Weight polyethylene tube makes this one of the most versatile types of hose available to the chemical industry today. It will handle 94% of common chemical and petroleum products in both suction and discharge applications. This hose is very flexible due to its corrugated cover and low temperature characteristics. This hose can also be used in dry food applications due to its FDA Compliant tube.

**COVER:**Green chemical resistant EPDM rubber

**REINFORCEMENT:**High tensile wire helix embedded between layers of textile cords.

**TUBE:**Smooth chemical resistant (UHMW) Ultra High Molecular Weight polyethylene FDA Compliant tube

**TEMPERATURE:**-40C to +100C(-40F to +212F) Can be open end steam cleaned to 120C or 248F for 30 minutes

Item No	Nom. ID"	Nom. OD"	Vacuum	PSI	Bend Radius"	Std Pack	Weight#
FLXS-100	1	1.46	29	200	4.00	100'	0.62
FLXS-200	2	2.60	29	200	6.00	100'	1.14
FLXS-300	3	3.62	29	200	8.00	100'	2.26
FLXS-400	4	4.65	29	200	12.00	100'	3.25

**Cut Lengths:** Plus 10%

**Standard Length:** 100'

**Recommended Couplings:** Cam and groove, combination nipple. Crimplok cam and groove, Crimplok combination nipple. All coupling recommendations are to be used as guidelines and are derived from past user preference. In some cases the preferred coupling is of a lesser pressure rating than the hose. Never exceed the working pressure of the lowest rated component in the assembly. If you require further assistance with regards to coupling choice, please contact Harco Enterprises customer service at 1-800-361-5361.

### HYPALON ACID DISCHARGE



**APPLICATION:**Resistant to a wide range of chemicals, acids, and alcohols. Contact us for recommendations.

**COVER:**Yellow chemical and abrasion resistant nitrile rubber with green identification stripe.

**REINFORCEMENT:**Multiple layers of synthetic yarn

**TUBE:**Black chemical resistant Hypalon.

**TEMPERATURE:**-32C to +82C(-25F to +180F)

Item No	Nom. ID"	Nom. OD"	PSI	Std Pack	Weight#
HLD-075	3/4	1.25	150	100'	0.45
HLD-100	1	1.50	150	100'	0.66
HLD-125	1-1/4	1.81	150	100'	0.82
HLD-150	1-1/2	2.05	150	100'	0.95
HLD-200	2	2.68	150	100'	1.45
HLD-250	2-1/2	3.20	150	100'	1.90
HLD-300	3	3.74	150	100'	2.41
HLD-400	4	4.74	150	100'	3.20

**Cut Lengths:** Plus 10%

**Standard Length:** 100'

**Recommended Couplings:** Cam and groove, combination nipple. Crimplok cam and groove, Crimplok combination nipple. All coupling recommendations are to be used as guidelines and are derived from past user preference. In some cases the preferred coupling is of a lesser pressure rating than the hose. Never exceed the working pressure of the lowest rated component in the assembly. If you require further assistance with regards to coupling choice, please contact Harco Enterprises customer service at 1-800-361-5361.

# PETROLEUM STEAM AND CHEMICAL HOSE

## CHEMICAL

### EPDM WATER SUCTION



**APPLICATION:**For use in liquid waste suction application. Also for use with liquid or dry chemical suction applications or general industrial use where high working pressures are not required.

**COVER:**Green Polyethylene helix and specially formulated rubber.

**REINFORCEMENT:**Rigid green Polyethylene helix.

**TUBE:**Smooth specially formulated rubber

**TEMPERATURE:**-40C to +60C(-40F to +140F)

Item No	Nom. ID"	Nom. OD"	Vacuum	PSI	Bend Radius"	Std Pack	Weight#
EPDM-100	1						0.23
EPDM-125	1-1/4	1.65	29	50	3.50	100'	0.30
EPDM-150	1-1/2	1.85	29	50	3.50	100'	0.40
EPDM-200	2	2.44	29	50	5.50	100'	0.67
EPDM-200-BLK	2	2.44	29	50	5.50	100'	0.67
EPDM-250	2-1/2	3.00	28	50	6.50	100'	0.94
EPDM-300	3	3.52	29	42	7.50	100'	1.10
EPDM-300-BLK	3	3.52	29	42	7.50	100'	1.10
EPDM-400	4	4.61	29	38	12.00	100'	1.84
EPDM-600	6	6.82	29	22	20.00	100'	3.08

**Cut Lengths:** Plus 10%

**Standard Length:** 100'

**Recommended Couplings:** Cam and groove or short shank, Crimplok cam and groove, Crimplok combination nipple. All coupling recommendations are to be used as guidelines and are derived from past user preference. In some cases the preferred coupling is of a lesser pressure rating than the hose. Never exceed the working pressure of the lowest rated component in the assembly. If you require further assistance with regards to coupling choice, please contact Harco Ent. customer service at 1-800-361-5361

### EPR ACID DISCHARGE



**APPLICATION:**Resistant to a wide range of chemicals, acids, and alcohols. Contact us for recommendations.

**COVER:**Grey chemical and abrasion resistant EPDM rubber with purple identification stripe.

**REINFORCEMENT:**Multiple layers of synthetic yarn.

**TUBE:**White chemical, acid, and heat resistant EPDM rubber.

**TEMPERATURE:**-40C to +120C(-40F to +248F)

Item No	Nom. ID"	Nom. OD"	PSI	Std Pack	Weight#
EAD-100	1	1.50	150	100'	0.54
EAD-150	1-1/2	2.05	150	100'	0.83
EAD-200	2	2.68	150	100'	1.30
EAD-250	2-1/2	3.20	150	100'	1.58
EAD-300	3	3.78	150	100'	2.10
EAD-400	4	4.80	150	100'	2.40

**Cut Lengths:** Plus 10%

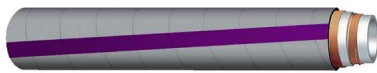
**Standard Length:** 100'

**Recommended Couplings:** Cam and groove, combination nipple, Crimplok Cam and Groove, Crimplok combination nipple. All coupling recommendations are to be used as guidelines and are derived from past user preference. In some cases the preferred coupling is of a lesser pressure rating than the hose. Never exceed the working pressure of the lowest rated component in the assembly. If you require further assistance with regards to coupling choice, please contact Harco Ent. customer service at 1-800-361-5361

# PETROLEUM STEAM AND CHEMICAL HOSE

## CHEMICAL

### EPR ACID SUCTION



**APPLICATION:**Resistant to a wide range of chemicals, acids, and alcohols. Contact us for recommendations.  
**COVER:**Grey chemical and abrasion resistant EPDM rubber with purple identification stripe.  
**REINFORCEMENT:**High tensile steel wire helix embedded between layers of synthetic yarns.  
**TUBE:**White chemical, acid, and heat resistant EPDM rubber.  
**TEMPERATURE:**-40C to +120C(-40F to +248F)

Item No	Nom. ID"	Nom. OD"	Vacuum	PSI	Bend Radius"	Std Pack	Weight#
EAS-100	1	1.50	28	150	7.00	100'	0.56
EAS-150	1-1/2	2.16	28	150	11.00	100'	1.04
EAS-200	2	2.68	28	150	14.00	100'	1.54
EAS-250	2-1/2	3.20	28	150	16.00	100'	1.98
EAS-300	3	3.74	28	150	20.00	100'	2.68
EAS-400	4	4.76	28	150	28.00	100'	4.09

**Cut Lengths:** Plus 10%

**Standard Length:** 100'

**Recommended Couplings:** Cam and groove, combination nipple, Crimplok Cam and Groove, Crimplok combination nipple. All coupling recommendations are to be used as guidelines and are derived from past user preference. In some cases the preferred coupling is of a lesser pressure rating than the hose. Never exceed the working pressure of the lowest rated component in the assembly. If you require further assistance with regards to coupling choice, please contact Harco Ent. customer service at 1-800-361-5361

### FLEXLITE UHMW



**APPLICATION:**The (UHMW) Ultra High Molecular Weight polyethylene tube makes this one of the most versatile types of hose available to the chemical industry today. It will handle 94% of common chemical and petroleum products in both suction and discharge applications.This hose is very flexible due to its corrugated cover and low temperature characteristics. This hose can also be used in dry food applications due to its FDA Compliant tube.  
**COVER:**Green corrugated chemical resistant EPDM rubber  
**REINFORCEMENT:**High tensile wire helix embedded between layers of textile cords.  
**TUBE:**Smooth chemical resistant (UHMW) Ultra High Molecular Weight polyethylene FDA Compliant tube  
**TEMPERATURE:**-40C to +100C(-40F to +212F) Can be open end steam cleaned to 120C or 248F for 30 minutes

Item No	Nom. ID"	Nom. OD"	Vacuum	PSI	Bend Radius"	Std Pack	Weight#
FLX-075	3/4	1.22	29	200	2.00	100'	0.40
FLX-100	1	1.46	29	200	2.50	100'	0.47
FLX-125	1-1/4	1.77	29	200	3.00	100'	0.67
FLX-150	1-1/2	2.01	29	200	3.75	100'	0.80
FLX-200	2	2.52	29	200	5.00	100'	1.00
FLX-250	2-1/2	3.10	29	200	6.25	100'	1.44
FLX-300	3	3.58	29	200	7.50	100'	1.74
FLX-400	4	4.64	29	150	10.00	100'	2.48

**Cut Lengths:** Plus 10%

**Standard Length:** 100'

**Recommended Couplings:** Cam and groove, combination nipple. Crimplok cam and groove, Crimplok combination nipple. All coupling recommendations are to be used as guidelines and are derived from past user preference. In some cases the preferred coupling is of a lesser pressure rating than the hose. Never exceed the working pressure of the lowest rated component in the assembly. If you require further assistance with regards to coupling choice, please contact Harco Ent. customer service at 1-800-361-5361

# PETROLEUM STEAM AND CHEMICAL HOSE

## CHEMICAL

### EPDM WATER SUCTION



**APPLICATION:** For use in liquid waste suction application. Also for use with liquid or dry chemical suction applications or general industrial use where high working pressures are not required.

**COVER:** Green Polyethylene helix and specially formulated rubber.

**REINFORCEMENT:** Rigid green Polyethylene helix.

**TUBE:** Smooth specially formulated rubber

**TEMPERATURE:** -40C to +60C (-40F to +140F)

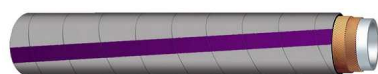
Item No	Nom. ID"	Nom. OD"	Vacuum	PSI	Bend Radius"	Std Pack	Weight#
EPDM-100	1						0.23
EPDM-125	1-1/4	1.65	29	50	3.50	100'	0.30
EPDM-150	1-1/2	1.85	29	50	3.50	100'	0.40
EPDM-200	2	2.44	29	50	5.50	100'	0.67
EPDM-200-BLK	2	2.44	29	50	5.50	100'	0.67
EPDM-250	2-1/2	3.00	28	50	6.50	100'	0.94
EPDM-300	3	3.52	29	42	7.50	100'	1.10
EPDM-300-BLK	3	3.52	29	42	7.50	100'	1.10
EPDM-400	4	4.61	29	38	12.00	100'	1.84
EPDM-600	6	6.82	29	22	20.00	100'	3.08

**Cut Lengths:** Plus 10%

**Standard Length:** 100'

**Recommended Couplings:** Cam and groove or short shank, Crimplok cam and groove, Crimplok combination nipple. All coupling recommendations are to be used as guidelines and are derived from past user preference. In some cases the preferred coupling is of a lesser pressure rating than the hose. Never exceed the working pressure of the lowest rated component in the assembly. If you require further assistance with regards to coupling choice, please contact Harco Ent. customer service at 1-800-361-5361

### EPR ACID DISCHARGE



**APPLICATION:** Resistant to a wide range of chemicals, acids, and alcohols. Contact us for recommendations.

**COVER:** Grey chemical and abrasion resistant EPDM rubber with purple identification stripe.

**REINFORCEMENT:** Multiple layers of synthetic yarn.

**TUBE:** White chemical, acid, and heat resistant EPDM rubber.

**TEMPERATURE:** -40C to +120C (-40F to +248F)

Item No	Nom. ID"	Nom. OD"	PSI	Std Pack	Weight#
EAD-100	1	1.50	150	100'	0.54
EAD-150	1-1/2	2.05	150	100'	0.83
EAD-200	2	2.68	150	100'	1.30
EAD-250	2-1/2	3.20	150	100'	1.58
EAD-300	3	3.78	150	100'	2.10
EAD-400	4	4.80	150	100'	2.40

**Cut Lengths:** Plus 10%

**Standard Length:** 100'

**Recommended Couplings:** Cam and groove, combination nipple, Crimplok Cam and Groove, Crimplok combination nipple. All coupling recommendations are to be used as guidelines and are derived from past user preference. In some cases the preferred coupling is of a lesser pressure rating than the hose. Never exceed the working pressure of the lowest rated component in the assembly. If you require further assistance with regards to coupling choice, please contact Harco Ent. customer service at 1-800-361-5361



# PETROLEUM STEAM AND CHEMICAL HOSE

## CHEMICAL

### HYPALON ACID SUCTION



**APPLICATION:**Resistant to a wide range of chemicals, acids, and alcohols. Contact us for recommendations.  
**COVER:**Yellow chemical and abrasion resistant nitrile rubber with green identification stripe.  
**REINFORCEMENT:**High tensile steel wire helix embedded between layers of synthetic yarns.  
**TUBE:**Black chemical resistant Hypalon.  
**TEMPERATURE:**-32C to +82C(-25F to +180F)

Item No	Nom. ID"	Nom. OD"	Vacuum	PSI	Bend Radius"	Std Pack	Weight#
HLS-100	1	1.50	28	150	6.00	100'	0.60
HLS-150	1-1/2	2.06	28	150	10.00	100'	1.10
HLS-200	2	2.68	28	150	12.00	100'	1.70
HLS-250	2-1/2	3.20	28	150	14.00	100'	2.10
HLS-300	3	3.74	28	150	17.00	100'	3.71
HLS-400	4	4.80	28	150	24.00	100'	3.90

**Cut Lengths:** Plus 10%

**Standard Length:** 100'

**Recommended Couplings:** Cam and groove, combination nipple. Crimplok cam and groove, Crimplok combination nipple. All coupling recommendations are to be used as guidelines and are derived from past user preference. In some cases the preferred coupling is of a lesser pressure rating than the hose. Never exceed the working pressure of the lowest rated component in the assembly. If you require further assistance with regards to coupling choice, please contact Harco Ent. customer service at 1-800-361-5361

## PETROLEUM

### AGRICULTURAL FARM TANK 100 PSI



**APPLICATION:**Dispense diesel fuel and oil from gravity tanks and barrel pumps.  
**COVER:**Black weather and oil resistant synthetic rubber.  
**REINFORCEMENT:**Multiple layers of synthetic textile yarns with static wire  
**TUBE:**Black oil resistant nitrile rubber  
**TEMPERATURE:**-35C to +80C(-30F to +180F)

Item No	Nom. ID"	Nom. OD"	PSI	Std Pack	Weight#
AGP-075-100	3/4	1.06	100	500'	0.29
AGP-100-100	1	1.38	100	500'	0.45
AGPE-100-100	1	1.38	100	500'	0.45

**Cut Lengths:** Plus 10%

**Standard Length:** 500' reels

# PETROLEUM STEAM AND CHEMICAL HOSE

## PETROLEUM

### ARCTIC SUPER FLEXLITE 150 PETROLEUM



**APPLICATION:** Specially designed to remain flexible while handling a wide range of petroleum products, including gasoline and diesel under arctic conditions.

**COVER:** Blue weather and oil resistant synthetic rubber specially compounded for arctic service. Corrugated with white stripe.

**REINFORCEMENT:** High tensile wire helix embedded between layers of textile cords.

**TUBE:** Black oil and fuel resistant nitrile rubber specially compounded for arctic service.

**TEMPERATURE:** -54C to +92C (-65F to +200F)

Item No	Nom. ID"	Nom. OD"	Vacuum	PSI	Bend Radius"	Std Pack	Weight#
TTAD-100	1	1.38	29	150	2.50	100'	0.44
TTAD-150	1-1/2	1.93	29	150	3.75	100'	0.79
TTAD-200	2	2.56	29	150	5.00	100'	1.18
TTAD-250	2-1/2	3.03	29	150	6.00	100'	1.67
TTAD-300	3	3.62	29	150	7.00	100'	2.08
TTAD-400	4	4.72	29	150	9.00	100'	3.17
TTAD-600	6	6.77	29	150	18.00	100'	5.63

**Cut Lengths:** Plus 10%

**Standard Length:** 100'

**Product Info:** Longer lengths available on request. Please check for availability and pricing

**Recommended Couplings:** Cam and groove, combination nipples, Crimplok cam and groove or Crimplok combination nipples. All coupling recommendations are to be used as guidelines and are derived from past user preference. In some cases the preferred coupling is of a lesser pressure rating than the hose. Never exceed the working pressure of the lowest rated component in the assembly. If you require further assistance with regards to coupling choice, please contact Harco Ent. customer service at 1-800-361-5361

### ARCTIC SUPER FLEXLITE 150 PETROLEUM ASSEMBLY

Item No	Assembly Description	Weight#
TTAD-200-15CASS	2"X15' ARCTIC FLEXLITE DROP HOSE + C/E CAM CRIMP	17.21
TTAD-300-10CASS	3"X10' ARCTIC FLEXLITE DROP HOSE + C/E CAM CRIMP	21.54
TTAD-300-15CASS	3"X15' ARCTIC FLEXLITE DROP HOSE + C/E CAM CRIMP	28.47
TTAD-300-15SSCE	3"X15' ARCTIC FLEXLITE DROP HOSE + C/E SS CRIMP	28.47
TTAD-300-45KCASS	3"X45' ARCTIC FLEXLITE DROP HOSE + KC CRIMP NIPPLES	113.85
TTAD-400-15CASS	4"X15' ARCTIC FLEXLITE DROP HOSE + C/E CAM CRIMP	37.73
TTAD-400-18KCASS	4"X18' ARCTIC FLEXLITE DROP HOSE + KC CRIMP NIPPLES	74.94

# PETROLEUM STEAM AND CHEMICAL HOSE

## PETROLEUM

### FLEXLITE PETROLEUM TANK 150



**APPLICATION:**An all purpose lightweight and flexible petroleum suction and discharge hose for use with gasoline, kerosene, diesel, oil suspensions and emulsions. May also be used as hydraulic suction and return line.

**COVER:**Black corrugated, abrasion, gasoline and oil resistant synthetic rubber with green stripe.

**REINFORCEMENT:**High tensile wire helix embedded between layers of textile cords.

**TUBE:**Black nitrile rubber for maximum oil resistance.

**TEMPERATURE:**-40C to +93C(-40F to +200F)

Item No	Nom. ID"	Nom. OD"	Vacuum	PSI	Bend Radius"	Std Pack	Weight#
TTD150-200	2	2.53	29	150	4.00	100'	1.44
TTD150-250	2-1/2	2.99	29	150	5.00	100'	1.65
TTD150-300	3	3.62	29	150	6.00	100'	2.48
TTD150-400	4	4.72	29	150	9.00	100'	3.63
TTD150-600	6	6.89	29	150	20.00	100'	7.00
TTD150-800	8	8.86	28	150	24.00	100'	8.83

**Cut Lengths:** Plus 10%

**Standard Length:** 100'

**Product Info:** Longer lengths available on request. Please check for availability and pricing

**Recommended Couplings:** Cam and groove, combination nipple. Crimplok cam and groove, Crimplok combination nipple. All coupling recommendations are to be used as guidelines and are derived from past user preference. In some cases the preferred coupling is of a lesser pressure rating than the hose. Never exceed the working pressure of the lowest rated component in the assembly. If you require further assistance with regards to coupling choice, please contact Harco Ent. customer service at 1-800-361-5361

### TANK TRUCK



**APPLICATION:**An all purpose petroleum suction and discharge hose for use with gasoline, kerosene, diesel, oil suspensions and emulsions. May also be used as hydraulic suction and return line.

**COVER:**Black, abrasion, gasoline and oil resistant synthetic rubber with blue stripe and pressure

**REINFORCEMENT:**High tensile wire helix embedded between layers of textile cords.

**TUBE:**Black nitrile rubber for maximum oil resistance.

**TEMPERATURE:**-35C to +93C(-30F to +200F)

Item No	Nom. ID"	Nom. OD"	Vacuum	PSI	Bend Radius"	Std Pack	Weight#
TLB-075	3/4	1.14	29	150	3.00	100'	0.43
TLB-100	1	1.42	29	150	3.00	100'	0.57
TLB-125	1-1/4	1.65	29	150	3.50	100'	0.62
TLB-150	1-1/2	1.93	29	150	4.00	100'	0.81
TLB-150	1-1/2	1.93	29	150	4.00	100'	0.81
TLB-175	1-3/4	2.24	29	150	4.50	100'	1.38
TLB-200	2	2.52	29	150	4.50	100'	1.38
TLB-250	2-1/2	2.99	29	150	5.75	100'	1.72
TLB-300	3	3.54	29	150	7.00	100'	2.19
TLB-400	4	4.68	29	150	10.00	100'	3.56
TLB-600	6	6.89	29	150	21.00	100'	6.65
TLB-1000	10	10.87	29	50	75.00	20'	10.26
TLB150-1000	10	10.87	29	150	75.00	20'	10.26

**Cut Lengths:** Plus 10%

**Standard Length:** 100'

**Product Info:** Longer lengths available on request. Please check for availability and pricing

**Recommended Couplings:** Cam and groove, combination nipple. Crimplok cam and groove, Crimplok combination nipple. All coupling recommendations are to be used as guidelines and are derived from past user preference. In some cases the preferred coupling is of a lesser pressure rating than the hose. Never exceed the working pressure of the lowest rated component in the assembly. If you require further assistance with regards to coupling choice, please contact Harco Ent. customer service at 1-800-361-5361

# PETROLEUM STEAM AND CHEMICAL HOSE

## PETROLEUM

### TANK TRUCK 150



**APPLICATION:**An all purpose petroleum suction and discharge hose for use with gasoline, kerosene, diesel, oil suspensions and emulsions. May also be used as hydraulic suction and return line.

**COVER:**Black, abrasion, gasoline and oil resistant synthetic rubber with red stripe and pressure.

**REINFORCEMENT:**High tensile wire helix embedded between layers of textile cords.

**TUBE:**Black nitrile rubber for maximum oil resistance.

**TEMPERATURE:**-35C to +93C(-30F to +200F)

Item No	Nom. ID"	Nom. OD"	Vacuum	PSI	Bend Radius"	Std Pack	Weight#
TLBS150-100	1	1.42	29	150	3.00	100	0.57
TLBS150-150	1-1/2	1.93	29	150	4.00	100'	0.81
TLBS150-200	2	2.52	29	150	4.50	100'	1.38
TLBS150-300	3	3.54	29	150	7.00	100'	2.19
TLBS150-400	4	4.68	29	150	10.00	100'	3.56
TLBS150-600	6	6.89	29	150	21.00	100'	6.65

**Cut Lengths:** Plus 10%

**Standard Length:** 100'

**Recommended Couplings:** Cam and groove, combination nipple. Crimplok cam and groove, Crimplok combination nipple. All coupling recommendations are to be used as guidelines and are derived from past user preference. In some cases the preferred coupling is of a lesser pressure rating than the hose. Never exceed the working pressure of the lowest rated component in the assembly. If you require further assistance with regards to coupling choice, please contact Harco Ent. customer service at 1-800-361-5361

### SUPER BLACK 250



**APPLICATION:**An all purpose petroleum suction and discharge hose for use with gasoline, kerosene, diesel, oil suspensions and emulsions up to 250 PSI. May also be used as hydraulic suction and return line.

**COVER:**Black, abrasion, gasoline and oil resistant synthetic rubber with blue stripe and pressure

**REINFORCEMENT:**High tensile wire helix embedded between layers of textile cords.

**TUBE:**Black nitrile rubber for maximum oil resistance.

**TEMPERATURE:**-35C to +93C(-30F to +200F)

Item No	Nom. ID"	Nom. OD"	Vacuum	PSI	Bend Radius"	Std Pack	Weight#
TLB250-200	2	2.52	29	250	5.00	100'	1.43
TLB250-250	2-1/2	2.99	29	250	6.00	100'	1.65
TLB250-300	3	3.54	29	250	7.00	100'	2.17
TLB250-400	4	4.68	29	250	10.00	100'	3.63
TLB250-600	6	6.89	29	250	21.00	100'	6.90

**Cut Lengths:** Plus 10%

**Standard Length:** 100'

**Product Info:** Longer lengths available on request. Please check for availability and pricing

**Recommended Couplings:** Cam and groove, combination nipples. Crimplok cam and groove, Crimplok nipple. All coupling recommendations are to be used as guidelines and are derived from past user preference. In some cases the preferred coupling is of a lesser pressure rating than the hose. Never exceed the working pressure of the lowest rated component in the assembly. If you require further assistance with regards to coupling choice, please please contact Harco Enterprises customer service at 1-800-361-5361.

# PETROLEUM STEAM AND CHEMICAL HOSE

## PETROLEUM

### TANK TRUCK 300



**APPLICATION:**An all purpose petroleum suction and discharge hose for use with gasoline, kerosene, diesel, oil suspensions and emulsions up to 300 PSI. May also be used as hydraulic suction and return line.

**COVER:**Black, abrasion, gasoline and oil resistant synthetic rubber with red stripe and pressure

**REINFORCEMENT:**High tensile wire helix embedded between layers of textile cords.

**TUBE:**Black nitrile rubber for maximum oil resistance.

**TEMPERATURE:**-35C to +93C(-30F to +200F)

Item No	Nom. ID"	Nom. OD"	Vacuum	PSI	Bend Radius"	Std Pack	Weight#
TLBS300-150	1-1/2	1.98	29	300	4.50	100'	0.90
TLBS300-200	2	2.62	29	300	5.00	100'	1.43
TLBS300-300	3	3.67	29	300	7.00	100'	2.20
TLBS300-400	4	4.71	29	300	10.00	100'	3.63
TLBS300-600	6	6.91	29	300	21.00	100'	6.90

**Cut Lengths:** Plus 10%

**Standard Length:** 100'

**Recommended Couplings:** Cam and groove, combination nipple. Crimplok cam and groove, Crimplok combination nipple. All coupling recommendations are to be used as guidelines and are derived from past user preference. In some cases the preferred coupling is of a lesser pressure rating than the hose. Never exceed the working pressure of the lowest rated component in the assembly. If you require further assistance with regards to coupling choice, please contact Harco Enterprises customer service at 1-800-361-5361.

### TANK TRUCK DROP



**APPLICATION:**A lightweight drop hose for gasoline delivery services. Will handle same range of products as Tank Truck.

**COVER:**Black corrugated, abrasion, oil and gasoline resistant synthetic rubber.

**REINFORCEMENT:**High tensile wire helix embedded between layers of textile cords.

**TUBE:**Black nitrile rubber for maximum oil resistance.

**TEMPERATURE:**-35C to +93C(-30F to +200F)

Item No	Nom. ID"	Nom. OD"	Vacuum	PSI	Bend Radius"	Std Pack	Weight#
TTDB-200	2	2.40	29	75	6.00	100'	0.92
TTDB-250	2-1/2	2.87	29	75	8.00	100'	1.24
TTDB-300	3	3.50	29	75	9.00	100'	1.84
TTDB-400	4	4.57	29	75	12.00	100'	2.58

**Cut Lengths:** Plus 10%

**Standard Length:** 100'

**Product Info:** Longer lengths available on request. Please check for availability and pricing

**Recommended Couplings:** Cam and groove, combination nipple. Crimplok cam and groove, Crimplok combination nipple. All coupling recommendations are to be used as guidelines and are derived from past user preference. In some cases the preferred coupling is of a lesser pressure rating than the hose. Never exceed the working pressure of the lowest rated component in the assembly. If you require further assistance with regards to coupling choice, please contact Harco Enterprises customer service at 1-800-361-5361.

# PETROLEUM STEAM AND CHEMICAL HOSE

## PETROLEUM

### H.O.T OIL TANK TRUCK



**APPLICATION:** Specially designed for conveying hot oil and/or Glycol at temperatures up to 120C (250 F).  
**COVER:** Black corrugated, abrasion and oil resistant synthetic rubber with red stripe  
**REINFORCEMENT:** High tensile wire helix embedded between layers of textile cords.  
**TUBE:** Specially compounded heat resistant synthetic rubber compound.  
**TEMPERATURE:** up to +120C(250F)

Item No	Nom. ID"	Nom. OD"	Vacuum	PSI	Bend Radius"	Std Pack	Weight#
TTDHT-200	2	2.52	29	150	5.00	100'	1.44
TTDHT-250	2-1/2	3.07	29	150	6.00	100'	1.72
TTDHT-300	3	3.54	29	150	7.00	100'	2.69
TTDHT-400	4	4.68	29	150	10.00	100'	3.63

**Cut Lengths:** Plus 10%

**Standard Length:** 100'

**Product Info:** Longer lengths available on request. Please check for availability and pricing

**Recommended Couplings:** Cam and groove or combination nipple. Crimplok cam and groove, Crimplok combination nipple. All coupling recommendations are to be used as guidelines and are derived from past user preference. In some cases the preferred coupling is of a lesser pressure rating than the hose. Never exceed the working pressure of the lowest rated component in the assembly. If you require further assistance with regards to coupling choice, please contact Harco Enterprises customer service at 1-800-361-5361.

### OIL VACUUM



**APPLICATION:** Designed for transferring petroleum waste, sediments, sludge, diluted mild chemicals, brine and water in oil field tank and waste pit recovery applications, not suitable for refined petroleum products or high concentrations of chemicals  
**COVER:** Black, abrasion oil resistant synthetic rubber with blue stripe and pressure  
**REINFORCEMENT:** High tensile wire helix embedded between layers of textile cords.  
**TUBE:** Black synthetic rubber for maximum oil resistance.  
**TEMPERATURE:** -35C to +93C(-30F to +200F)

Item No	Nom. ID"	Nom. OD"	Vacuum	PSI	Bend Radius"	Std Pack	Weight#
OILVS-150	1-1/2	1.89	29	150	4.00	100'	0.75
OILVS-200	2	2.43	29	150	4.50	100'	1.07
OILVS-300	3	3.47	29	150	7.00	100'	1.78
OILVS-400	4	4.52	29	150	10.00	100'	2.58
OILVS-600	6	6.60	29	150	21.00	100'	5.50

**Cut Lengths:** Plus 10%

**Standard Length:** 100'

**Recommended Couplings:** Cam and groove, combination nipples. Crimplok cam and groove, Crimplok combination nipple. All coupling recommendations are to be used as guidelines and are derived from past user preference. In some cases the preferred coupling is of a lesser pressure rating than the hose. Never exceed the working pressure of the lowest rated component in the assembly. If you require further assistance with regards to coupling choice, please contact Harco Enterprises customer service at 1-800-361-5361.

# PETROLEUM STEAM AND CHEMICAL HOSE

## PETROLEUM

### OIL VACUUM CORRUGATED



**APPLICATION:** Designed for transferring petroleum waste, sediments, sludge, diluted mild chemicals, brine and water in oil field tank and waste pit recovery applications, not suitable for refined petroleum products or high concentrations of chemicals

**COVER:** Black, corrugated abrasion oil resistant synthetic rubber with blue stripe and pressure

**REINFORCEMENT:** High tensile wire helix embedded between layers of textile cords.

**TUBE:** Black synthetic rubber for maximum oil resistance.

**TEMPERATURE:** -35C to +93C (-30F to +200F)

Item No	Nom. ID"	Nom. OD"	Vacuum	PSI	Bend Radius"	Std Pack	Weight#
OILVC-200	2	2.44	29	150	4.00	100'	0.89
OILVC-300	3	3.46	29	150	6.00	100'	1.42
OILVC-400	4	4.52	29	150	9.00	100'	2.44

**Cut Lengths:** Plus 10%

**Standard Length:** 100'

**Recommended Couplings:** Cam and groove, combination nipples. Crimplok cam and groove, Crimplok combination nipple. All coupling recommendations are to be used as guidelines and are derived from past user preference. In some cases the preferred coupling is of a lesser pressure rating than the hose. Never exceed the working pressure of the lowest rated component in the assembly. If you require further assistance with regards to coupling choice, please contact Harco Enterprises customer service at 1-800-361-5361.

### OIL VACUUM - LOW TEMP



**APPLICATION:** Designed for low temperature transfer of petroleum waste, sediments, sludge, diluted mild chemicals, brine and water in oil field tank and waste pit recovery applications, not suitable for refined petroleum products or high concentrations of chemicals

**COVER:** Black, abrasion oil resistant synthetic rubber with blue stripe and pressure

**REINFORCEMENT:** High tensile wire helix embedded between layers of textile cords.

**TUBE:** Black synthetic rubber for maximum oil resistance.

**TEMPERATURE:** -54C to +93C (-65F to +200F)

Item No	Nom. ID"	Nom. OD"	Vacuum	PSI	Bend Radius"	Std Pack	Weight#
OILVCLT-600	6	6.60	29	150	21.00	100'	4.50
OILVCLT-800	8	8.86	29	150	32.00	100'	7.73
OILVCLT-1000	10	11.06	29	150	40.00	20'	13.40

**Cut Lengths:** Plus 10%

**Standard Length:** 100'

**Recommended Couplings:** Cam and groove, combination nipples. Crimplok cam and groove, Crimplok combination nipple. All coupling recommendations are to be used as guidelines and are derived from past user preference. In some cases the preferred coupling is of a lesser pressure rating than the hose. Never exceed the working pressure of the lowest rated component in the assembly. If you require further assistance with regards to coupling choice, please contact Harco Enterprises customer service at 1-800-361-5361.

# PETROLEUM STEAM AND CHEMICAL HOSE

## PETROLEUM

### FRACLINE 400



**APPLICATION:**For handling a wide range of petroleum products, including gasoline, as well as a number of chemical solutions. Specifically designed for use in Frac service.

**COVER:**Black, heat, oil and weather resistant Neoprene.

**REINFORCEMENT:**Multiple layers of synthetic textile cords, with static wire.

**TUBE:**Black, heat and oil resistant synthetic rubber.

**TEMPERATURE:**-35C to +88C(-30F to +190F)

Item No	Nom. ID"	Nom. OD"	PSI	Std Pack	Weight#
FRAC400-300	3	3.65	400	100'	1.80
FRAC400-400	4	4.80	400	100'	2.81
FRAC400-600	6	6.80	400	100'	5.20

**Cut Lengths:** Plus 10%

**Standard Length:** 100'

**Recommended Couplings:** Crimplok combination nipple. All coupling recommendations are to be used as guidelines and are derived from past user preference. In some cases the preferred coupling is of a lesser pressure rating than the hose. Never exceed the working pressure of the lowest rated component in the assembly. If you require further assistance with regards to coupling choice, If you require further assistance with regards to coupling choice, please contact Harco Enterprises customer service at 1-800-361-5361.

## PETROLEUM DISCHARGE



**APPLICATION:**For handling a wide range of petroleum products, including gasoline, as well as a number of chemical solutions.

**COVER:**Red, heat, oil and weather resistant Neoprene.

**REINFORCEMENT:**Multiple layers of synthetic textile cords, with static wire.

**TUBE:**Black, heat and oil resistant synthetic rubber.

**TEMPERATURE:**-35C to +88C(-30F to +190F)

Item No	Nom. ID"	Nom. OD"	PSI	Std Pack	Weight#
PDR-075	3/4	1.22	200	100'	0.44
PDR-100	1	1.46	200	100'	0.48
PDR-125	1-1/4	1.69	150	100'	0.58
PDR-150	1-1/2	1.97	150	100'	0.78
PDR-200	2	2.50	150	100'	1.19
PDR-250	2-1/2	3.00	150	100'	1.40
PDR-300	3	3.50	150	100'	1.64
PDR-400	4	4.57	150	100'	2.46
PDR-600	6	6.72	150	100'	3.89

**Cut Lengths:** Plus 10%

**Standard Length:** 50'/100'

**Recommended Couplings:** Cam and groove, combination nipple. Crimplok cam and groove, Crimplok combination nipple. All coupling recommendations are to be used as guidelines and are derived from past user preference. In some cases the preferred coupling is of a lesser pressure rating than the hose. Never exceed the working pressure of the lowest rated component in the assembly. If you require further assistance with regards to coupling choice, please contact Harco Enterprises customer service at 1-800-361-5361.



# PETROLEUM STEAM AND CHEMICAL HOSE

## PETROLEUM

### PETROLEUM DISCHARGE 250



**APPLICATION:** For handling a wide range of petroleum products, including gasoline, as well as a number of chemical solutions. Specifically designed for use in Frac service.

**COVER:** Black, heat, oil and weather resistant Neoprene.

**REINFORCEMENT:** Multiple layers of synthetic textile cords, with static wire.

**TUBE:** Black, heat and oil resistant synthetic rubber.

**TEMPERATURE:** -35C to +88C (-30F to +190F)

Item No	Nom. ID"	Nom. OD"	PSI	Std Pack	Weight#
PDB250-200	2	2.50	250	100'	1.14
PDB250-250	2-1/2	3.03	250	100'	1.48
PDB250-300	3	3.54	250	100'	1.80
PDB250-400	4	4.64	250	100'	2.81
PDB250-600	6	6.69	250	100'	5.20

**Cut Lengths:** Plus 10%

**Standard Length:** 50'/100'

**Recommended Couplings:** Cam and groove, combination nipple. Crimplok cam and groove, Crimplok combination nipple. All coupling recommendations are to be used as guidelines and are derived from past user preference. In some cases the preferred coupling is of a lesser pressure rating than the hose. Never exceed the working pressure of the lowest rated component in the assembly. If you require further assistance with regards to coupling choice, please contact Harco Enterprises customer service at 1-800-361-5361.

### HOT TAR & ASPHALT



**APPLICATION:** Specially designed for conveying hot tar and asphalt at temperatures up to 160 C (350 F).

**COVER:** Black Neoprene synthetic rubber.

**REINFORCEMENT:** High tensile wire helix embedded between multiple layers of heat resistant synthetic yarns

**TUBE:** Specially compounded heat resistant synthetic rubber compound.

**TEMPERATURE:** up to +177C(350F)

Item No	Nom. ID"	Nom. OD"	PSI	Std Pack	Weight#
HTA-200	2	2.63	150	100'	1.80
HTA-300	3	3.77	150	100'	2.94
HTA-400	4	4.85	150	100'	4.20

**Cut Lengths:** Plus 10%

**Standard Length:** 100'

**Recommended Couplings:** Cam and Grove, combination nipple. Crimplok cam and groove, Crimplok nipple. All coupling recommendations are to be used as guidelines and are derived from past user preference. In some cases the preferred coupling is of a lesser pressure rating than the hose. Never exceed the working pressure of the lowest rated component in the assembly. If you require further assistance with regards to coupling choice, please contact Harco Enterprises customer service at 1-800-361-5361.

# PETROLEUM STEAM AND CHEMICAL HOSE

## PETROLEUM

### SAE 100R4 OIL SUCTION HOSE



**APPLICATION:**A high quality oil suction hose specifically designed for hydraulic suction service.  
**COVER:**Black, abrasion, gasoline and oil resistant synthetic rubber  
**REINFORCEMENT:**High tensile wire helix embedded between layers of textile cords.  
**TUBE:**Black nitrile rubber for maximum oil resistance.  
**TEMPERATURE:**-35C to +93C(-30F to +200F)

Item No	Nom. ID"	Nom. OD"	Vacuum	PSI	Bend Radius"	Std Pack	Weight#
100R4-12	3/4	1.26	29	300	3.00	100'	0.62
100R4-16	1	1.50	29	250	4.00	100'	0.74
100R4-20	1-1/4	1.73	29	200	6.00	100'	0.79
100R4-24	1-1/2	1.97	29	150	7.00	100'	0.99
100R4-32	2	2.56	29	100	8.00	100'	1.47
100R4-40	2-1/2	2.99	29	65	10.00	100'	1.67
100R4-48	3	3.55	29	55	12.00	100'	2.18
100R4-64	4	4.56	29	35	18.00	100'	3.10

**Cut Lengths:** Plus 10%

**Standard Length:** 100'

**Product Info:** Longer lengths available on request. Please check for availability and pricing

**Recommended Couplings:** Swaged hydraulic

### SUPERFLEX PVC SUCTION



**APPLICATION:**Can be used for light oil, grease and animal fat suction. It can also be used in more general applications where great flexibility is required at very low temperatures.  
**COVER:**Blue extra soft low temperature PVC  
**REINFORCEMENT:**Anti shock rigid pvc helix  
**TUBE:**Blue extra soft low temperature PVC  
**TEMPERATURE:**-40C to +60C(-40F to +140F)

Item No	Nom. ID"	Nom. OD"	Vacuum	PSI	Bend Radius"	Std Pack	Weight#
SUPER-200	2	2.39	29	70	7.00	100'	0.75
SUPER-300	3	3.43	29	65	10.00	100'	1.21
SUPER-400	4	4.54	29	50	14.00	100'	2.02
SUPER-600	6	6.67	29	35	23.00	100'	3.70

**Cut Lengths:** Plus 10%

**Standard Length:** 100

**Safety Info:** Suction and Pressure ratings are based on a temperature of 20C (68F), reduce by 50% at maximum working temperature

**Recommended Couplings:** Cam and groove or short shank. All coupling recommendations are to be used as guidelines and are derived from past user preference. In some cases the preferred coupling is of a lesser pressure rating than the hose. Never exceed the working pressure of the lowest rated component in the assembly. If you require further assistance with regards to coupling choice, please contact Harco Enterprises customer service at 1-800-361-5361.

# PETROLEUM STEAM AND CHEMICAL HOSE

## PETROLEUM

### SUPERFLEX PVC SUCTION WITH STATIC WIRE



**APPLICATION:** Can be used for light oil, grease and animal fat suction. It can also be used in more general APPLICATIONs where great flexibility is required at very low temperatures.

**COVER:** Blue extra soft low temperature PVC

**REINFORCEMENT:** Anti shock rigid pvc helix

**TUBE:** Blue extra soft low temperature PVC

**TEMPERATURE:** -40C to +60C(-40F to +140F)

Item No	Nom. ID"	Nom. OD"	Vacuum	PSI	Bend Radius"	Std Pack	Weight#
SUPERST-200	2	2.39	29	70	7.00	100'	0.85
SUPERST-300	3	3.43	29	65	10.00	100'	1.30
SUPERST-400	4	4.54	29	50	14.00	100'	2.15
SUPERST-600	6	6.67	29	35	23.00	100'	3.80

**Cut Lengths:** Plus 10%

**Standard Length:** 100

**Safety Info:** Suction and Pressure ratings are based on a temperature of 20C (68F), reduce by 50% at maximum working temperature

**Recommended Couplings:** Cam and groove or short shank. See Superflex without static wire for further information.

### URETHANE BIO-DROP FUEL HOSE



**APPLICATION:** For use as a tank truck gravity drop hose with biofuel, gasoline, deisel and ethanol. Lightweight and flexible with exposed pvc helix making it very user friendly.

**COVER:** Green PVC Helix with polyurethane cover. BDROP is clear wall for flow visibility and BDROPB is black with added UV resistance.

**REINFORCEMENT:** High tensile synthetic textile yarn with built in static wire.

**TUBE:** Specially formulated fuel resistant polyurethane

**TEMPERATURE:** -40C to +65C(-40F to +150F)

Item No	Nom. ID"	Nom. OD"	PSI	Bend Radius"	Std Pack	Weight#
BDROP-300	3	3.78	65	6.00	100'	1.20
BDROP-400	4	4.82	65	8.00	100'	1.70
BDROPB-300	3	3.78	65	6.00	100'	1.20
BDROPB-400	4	4.82	65	8.00	100'	1.70

**Cut Lengths:** Plus 10%

**Standard Length:** 50'/100'

**Safety Info:** Suction and pressure ratings are based on a temperature of 20C (68F), reduce ratings by 50% at maximum working temperature

**Recommended Couplings:** Cam and Groove

### BANDING COILS



**APPLICATION:** Threads between the helix of a hose, this coil provides a smoother surface for banding or crimping.

Item No	Nom. ID"	Weight#
COIL-150	1-1/2	0.07
COIL-200	2	0.12
COIL-250	2-1/2	0.19
COIL-300	3	0.29
COIL-400	4	0.51
COIL-500	5	0.95
COIL-600	6	1.57
COIL-800	8	2.92

# PETROLEUM STEAM AND CHEMICAL HOSE

## PETROLEUM

### PETROLEUM DROP HOSE



**APPLICATION:**For use as a tank truck gravity drop hose. Also for use with oil, fuel and grease transfer, oil slurry, hydrocarbons and animal fat handling. Features an external helix that protects the hose cover as well as enabling the hose to slide over rough surface.

**COVER:**Orange PVC Helix

**REINFORCEMENT:**High tensile synthetic textile yarn with built in static wire

**TUBE:**Specially formulated compound for fuel transfer

**TEMPERATURE:**-29C to +65C(-20F to +150F)

Item No	Nom. ID"	Nom. OD"	Vacuum	PSI	Bend Radius"	Std Pack	Weight#
PDROP-200	2	2.67	28	70	5.00	100'	1.12
PDROP-300	3	3.69	28	65	6.00	100'	1.37
PDROP-400	4	4.82	28	65	8.00	100'	2.16

**Cut Lengths:** Plus 10%

**Standard Length:** 50'/100'

**Safety Info:** Suction and pressure ratings are based on a temperature of 20C (68F), reduce ratings by 50% at maximum working temperature

**Recommended Couplings:** Cam and groove or combination nipple. Crimplok cam and groove, Crimplok combination nipple. All coupling recommendations are to be used as guidelines and are derived from past user preference. In some cases the preferred coupling is of a lesser pressure rating than the hose. Never exceed the working pressure of the lowest rated component in the assembly. If you require further assistance with regards to coupling choice, please contact Harco Enterprises customer service at 1-800-361-5361.

### BANDING SLEEVES FOR BDROP



**APPLICATION:**Threads between the helix of a hose, this coil provides a smoother surface for banding or crimping.

Item No	Nom. ID"	Weight#
SLV-300-BDROP	3	3.00
SLV-400-BDROP	4	6.00

### PETROLEUM TRANSFER



**APPLICATION:**For use with oil, fuel and grease transfer, oil slurry, hydrocarbons and animal fat handling. Features an external helix that protects the hose cover as well as enabling the hose to slide over rough surface. Static wire embedded in helix for ease of grounding.

**COVER:**Orange PVC Helix with built in static wire

**REINFORCEMENT:**High tensile synthetic textile yarn

**TUBE:**Specially formulated compound for fuel transfer

**TEMPERATURE:**-40C to +93C(-40F to +200F)

Item No	Nom. ID"	Nom. OD"	PSI	Bend Radius"	Std Pack	Weight#
FLDROP-200	2	2.87	150	5.00	100'	1.29
FLDROP-300	3	3.98	150	7.50	100'	2.08
FLDROP-400	4	5.00	75	12.00	100'	2.51

**Cut Lengths:** Plus 10%

**Standard Length:** 50'/100'

**Recommended Couplings:** Cam and groove, combination nipple. Crimplok cam and groove, Crimplok combination nipple. All coupling recommendations are to be used as guidelines and are derived from past user preference. In some cases the preferred coupling is of a lesser pressure rating than the hose. Never exceed the working pressure of the lowest rated component in the assembly. If you require further assistance with regards to coupling choice, please contact Harco Enterprises customer service at 1-800-361-5361.

# PETROLEUM STEAM AND CHEMICAL HOSE

## PETROLEUM

### BANDING SLEEVES FOR PDROP



**APPLICATION:**Threads between the helix of a hose, this coil provides a smoother surface for banding or crimping.

Item No	Nom. ID"	Weight#
SLV-200-PDROP	2	2.00
SLV-300-PDROP	3	3.00
SLV-400-PDROP	4	6.00

### VAPOUR THANE DUST & VAPOUR RECOVERY HOSE



**APPLICATION:**Vapour recovery from petroleum transfer operations. Embedded static wire serves to dissipate static electricity. NOT SUITABLE FOR CONVEYING LIQUIDS

**COVER:**Corrugated clear abrasion and weather resistant polyurethane.

**REINFORCEMENT:**Yellow PVC helix with integral static wire. HD Version has Red Helix

**TUBE:**Clear fuel resistant polyurethane

**TEMPERATURE:**-40C to +65C(-40F to +150F)

Item No	Nom. ID"	Nom. OD"	Vacuum	PSI	Bend Radius"	Std Pack	Weight#
VT-200	2	2.46	15	17	3.00	100'	0.50
VT-300	3	3.57	15	11	3.50	100'	0.78
VT-400	4	4.60	12	9	4.50	100'	1.10
VTHD-300	3	3.57	15	13	4.00	100'	0.95
VTHD-400	4	4.62	12	11	5.00	100'	1.27

### BANDING SLEEVES FOR VAPOUR THANE



**APPLICATION:**Threads between the helix of a hose, this coil provides a smoother surface for banding or crimping.

Item No	Nom. ID"	Weight#
SLV-200-VT	2	2.00
SLV-300-VT	3	3.00
SLV-400-VT	4	6.00

## STEAM

### STEAM 250 BLACK



**APPLICATION:**An extremely flexible hose for use with saturated steam at pressures to 250 PSI .

**COVER:**Black abrasion and heat resistant EPDM rubber, with embossed brand and pressure.

**REINFORCEMENT:**Multiple layers of high tensile steel cords.

**TUBE:**Black heat resistant EPDM synthetic rubber.

**TEMPERATURE:**-40C to +210C(-40F to +406F)

Item No	Nom. ID"	Nom. OD"	PSI	Std Pack	Weight#
ST250B-075-50	3/4	1.26	250	50'	0.48
ST250B-100-50	1	1.50	250	50'	0.60
ST250B-150-50	1-1/2	2.13	250	50'	1.10
ST250B-200-50	2	2.64	250	50'	1.48

**Cut Lengths:** Plus 10%

**Standard Length:** 50'

**Recommended Couplings:** High Pressure with interlocking clamps

# PETROLEUM STEAM AND CHEMICAL HOSE

## STEAM

### STEAM 250



**APPLICATION:**An extremely flexible hose for use with saturated steam at pressures to 250 PSI .

**COVER:**Red abrasion and heat resistant EPDM rubber, with embossed brand and pressure.

**REINFORCEMENT:**Multiple layers of high tensile steel cords.

**TUBE:**Black heat resistant EPDM synthetic rubber.

**TEMPERATURE:**-40C to +210C(-40F to +406F)

Item No	Nom. ID"	Nom. OD"	PSI	Std Pack	Weight#
ST250-050-50	1/2	0.98	250	50'	0.32
ST250-050-100	1/2	0.98	250	100'	0.32
ST250-075-50	3/4	1.26	250	50'	0.48
ST250-075-100	3/4	1.26	250	100'	0.48
ST250-100-50	1	1.50	250	50'	0.60
ST250-100-100	1	1.50	250	100'	0.60
ST250-125-50	1-1/4	1.81	250	50'	0.80
ST250-125-100	1-1/4	1.81	250	100'	0.80
ST250-150-50	1-1/2	2.13	250	50'	1.10
ST250-150-100	1-1/2	2.13	250	100'	1.10
ST250-200-50	2	2.64	250	50'	1.48
ST250-200-100	2	2.64	250	100'	1.48
ST250-250	2-1/2	3.22	250	100'	2.00
ST250-300	3	3.78	250	100'	3.40

**Cut Lengths:** Plus 10%

**Standard Length:** 50'/100'

**Product Info:** Longer lengths available on request. Please check for availability and pricing

**Recommended Couplings:** High Pressure with interlocking clamps

### STEAM 250 ASSEMBLY

Item No	Assembly Description	Weight#
ST250-075-FFNS	3/4"X50'STEAM250 C/W HP F/F NO SPUD	30.02
ST250-075-HPASS	3/4"X50'STEAM 250 M+F HP 1 SPUD	27.61
ST250-075-HPFF	3/4"X50'STEAM250 C/W HP F/F 2 SPUDS	29.02
ST250-100-HPASS	1"X50'STEAM 250 M+F HP 1 SPUD	34.64
ST250-150-HPASS	1-1/2"X50' STEAM 250 C/W M+F H.P.	64.90
ST250-200-HPASS	2"X50' STEAM 250 C/W M+F H.P.	87.80

# PETROLEUM STEAM AND CHEMICAL HOSE

## STEAM

### STEAM 250 CHLOROBUTYL



**APPLICATION:**An extremely flexible hose for use with saturated steam at pressures to 250 PSI .  
**COVER:**Red abrasion and heat resistant EPDM synthetic rubber.  
**REINFORCEMENT:**One wire braid.  
**TUBE:**Black heat resistant Chlorobutyl synthetic rubber.  
**TEMPERATURE:**-40C to +210C(-40F to +406F)

Item No	Nom. ID"	Nom. OD"	PSI	Std Pack	Weight#
ST250CB-050	1/2	1.00	250	100'	0.40
ST250CB-075	3/4	1.31	250	100'	0.48
ST250CB-075-50	3/4	1.31	250	50'	0.48
ST250CB-100	1	1.56	250	100'	0.59
ST250CB-100-50	1	1.56	250	50'	0.59
ST250CB-125	1-1/4	1.85	250	100'	0.78
ST250CB-150	1-1/2	2.13	250	100'	1.07
ST250CB-200	2	2.69	250	100'	1.58

**Cut Lengths:** No Cut Lengths

**Standard Length:** 50'/100'

**Product Info:** Longer lengths available on request. Please check for availability and pricing

**Recommended Couplings:** High Pressure with interlocking clamps

### STEAM 250 CHLOROBUTYL ASSEMBLY

Item No	Assembly Description	Weight#
ST250CB-075-HPA	3/4X50 CB STEAM 250 C/W F+F H.P.	27.78
ST250CB-125-HPA	1-1/4X50 CB STEAM 250 C/W F+F H.P.	47.40

### STEAM TEXTILE



**APPLICATION:**For use with saturated steam up to 100 PSI, 170C(338F). For thawing, wash-down at papermills and food plants and other applications where a steel reinforced hose is not suitable due to electrical conductivity.  
**COVER:**Red, heat, weather and abrasion resistant EPDM synthetic rubber.  
**REINFORCEMENT:**Two layers of heat resistant synthetic yarns.  
**TUBE:**Black heat resistant EPDM synthetic rubber.  
**TEMPERATURE:**-40C to +170C(-40F to +338F)

Item No	Nom. ID"	Nom. OD"	PSI	Std Pack	Weight#
TEX-050	1/2	1.00	100	100'	0.30
TEX-075	3/4	1.26	100	100'	0.44
TEX-100	1	1.50	100	100'	0.58
TEX-125	1-1/4	1.85	100	100'	0.74
TEX-150	1-1/2	2.09	100	100'	0.87
TEX-200	2	2.64	100	100'	1.07

**Cut Lengths:** Plus 10%

**Standard Length:** 50'/100'

**Product Info:** Longer lengths available on request. Please check for availability and pricing

**Recommended Couplings:** High Pressure with interlocking clamps

# SPRAY AND PRESSURE WASHER HOSE

## PRESSURE WASHER

### MALE X MALE SWIVEL PRESSURE WASHER SET



Item No	Std Pack	Weight#
PWB-038-FITT	1	0.15

## PRESSURE WASHER



**APPLICATION:** For use with pressure wash equipment up to temperatures of 120C (248F). Not suitable for live steam service.

**COVER:** Black or Blue abrasion, heat, and oil resistant synthetic rubber.

**REINFORCEMENT:** One wire (3,000PSI) or (4,000PSI) PWB - Blue, PWBL - Black, PWBHP - Blue High Pressure

**TUBE:** Black heat resistant nitrile rubber.

**TEMPERATURE:** -40C to +120C (-40F to +248F)

Item No	Nom. ID"	Nom. OD"	PSI	Std Pack	Weight#
PWB-025	1/4	0.53	3000	200'	0.30
PWB-025-100	1/4	0.54	3000	100'	0.16
PWB-038	3/8	0.64	3000	200'	0.30
PWB-038-100	3/8	0.64	3000	100'	0.30
PWB-038-50	3/8	0.64	3000	50'	0.30
PWBHP-038	3/8	0.64	4000	200'	0.19
PWBL-038	3/8	0.64	3000	200'	0.30
PWBL-038-30	3/8	0.64	3000	30'	0.30
PWBL-038S	3/8	0.64	3000	200'	0.30

**Cut Lengths:** Plus 5%

**Standard Length:** Approx 300' coils

**Recommended Couplings:** Hydraulic crimp type

## PRESSURE WASHER ASSEMBLY



Item No	Assembly Description	Weight#
PWB-038-100ASS	3/8" X 100' BLUE PRESS WASH M X MS	30.15
PWB-038-25ASS	3/8" X 25' BLUE PRESS WASH M X MS	7.50
PWB-038-50ASS	3/8" X 50' BLUE PRESS WASH M X MS	15.15
PWB-038-75ASS	3/8" X 75' BLUE PRESS WASH M X MS	22.50
PWBHP-038-100ASS	3/8" X 100' BLUE 4000 PSI PRESS WASH M X MS	30.15
PWBHP-038-50ASS	3/8" X 50' BLUE 4000 PSI PRESS WASH M X MS	15.15
PWBL-038-100ASS	3/8" X 100' BLACK PRESS WASH M X MS	30.25
PWBL-038-125ASS	3/8" X 125' BLACK PRESS WASH M X MS	37.75
PWBL-038S-100AS	3/8" X 100' SMOOTH BLACK PRES WASH M X MS	30.25
PWBL-038S-50ASS	3/8" X 50' SMOOTH BLACK PRESS WASH M X MS	15.25



# SPRAY AND PRESSURE WASHER HOSE

## SPRAY

### AGRICULTURAL HIGH PRESSURE SPRAY



**APPLICATION:**High pressure spraying of aqueous and petroleum based herbicides and insecticides, such as Monsanto Lasso

**COVER:**Green ribbed synthetic weather and abrasion resistant

**REINFORCEMENT:**Multiple layers of synthetic yarns

**TUBE:**Synthetic blend for maximum resistance to xylene.

**TEMPERATURE:**-10C to +70C(15F to +160F)

Item No	Nom. ID"	Nom. OD"	PSI	Std Pack	Weight#
AGSP-038-800	3/8	0.65	800	300'	0.14
AGSP-050-800	1/2	0.84	800	300'	0.21

**Cut Lengths:** Plus 10%

**Standard Length:** 300' coils

**Safety Info:** Reduce pressures by 50% at maximum working temperature

**Recommended Couplings:** High pressure

### AGRICULTURAL SPRAY - RUBBER LOW PRESSURE



**APPLICATION:**For use in low pressure spraying of aqueous and petroleum based herbicides and insecticides, such as Monsanto Lasso

**COVER:**Black weather resistant EPDM synthetic rubber.

**REINFORCEMENT:**Multiple layers of synthetic yarns

**TUBE:**Black smooth synthetic EPDM rubber.

**TEMPERATURE:**-30C to +85C(-20F to +185F)

Item No	Nom. ID"	Nom. OD"	PSI	Std Pack	Weight#
AGSR-025-150	1/4	0.50	150	700'	0.10
AGSR-038-150	3/8	0.69	150	700'	0.16
AGSR-150-150	1-1/2	2.00	150	500'	1.00
AGSR-200-150	2	2.50	150	500'	1.10

**Cut Lengths:** Plus 5%

**Standard Length:** 1/4" - 1" - 700' reels, 1-1/4" - 2" - 500' reels

**Recommended Couplings:** Cam and groove, combination nipples.

### AGRICULTURAL SPRAY HIGH PRESSURE



**APPLICATION:**High pressure spraying of aqueous and petroleum based herbicides and insecticides, such as Monsanto Lasso.

**COVER:**Yellow ribbed weather and abrasion resistant thermoplastic rubber.

**REINFORCEMENT:**Multiple layers of synthetic yarns

**TUBE:**Synthetic blend for maximum resistance to xylene.

**TEMPERATURE:**-10C to +70C(15F to +160F)

Item No	Nom. ID"	Nom. OD"	PSI	Std Pack	Weight#
AGSP-038-600	3/8	0.65	600	300'	0.13
AGSP-050-600	1/2	0.84	600	300'	0.17
AGSP-075-600	3/4	1.14	600	300'	0.35

**Cut Lengths:** Plus 10%

**Standard Length:** 300' coils

**Safety Info:** Reduce pressures by 50% at maximum working temperature

**Recommended Couplings:** High pressure

# SPRAY AND PRESSURE WASHER HOSE

## SPRAY

### PAINT SPRAY



**APPLICATION:** For use with low pressure spray guns, and agricultural chemicals. Suitable for conveying the following solvents. Acetone, alcohols, Butyl Cellosolve, Ethyl Acetate, M.E.K., M.I.B.K.,

**COVER:** Black weather, oil and chemical resistant thermoplastic rubber.

**REINFORCEMENT:** Multiple layers of synthetic yarns.

**TUBE:** Polyethylene for good solvent and chemical resistance.

**TEMPERATURE:** -40C to +52C (-40F to +125F)

Item No	Nom. ID"	Nom. OD"	PSI	Std Pack	Weight#
PAINT-025-175	1/4	0.50	175	500'	0.07
PAINT-038-175	3/8	0.68	175	500'	0.12
PAINT-050-175	1/2	0.88	175	500'	0.19
PAINT-075-150	3/4	1.18	150	500'	0.33

**Cut Lengths:** Plus 10%

**Standard Length:** 500' reels

**Safety Info:** W.P. ratings are based on 20C (68C). At operating temperature of +50C (122F) reduce W.P. by 50%.

**Recommended Couplings:** Crimp on, combination nipples

# WATER SUCTION AND DISCHARGE HOSE

## WATER DISCHARGE - PVC

### BLUE LAYFLAT



**APPLICATION:**A light duty layflat hose for portable pump and irrigation use.

**COVER:**Blue PVC impregnation.

**REINFORCEMENT:**Woven high tensile synthetic yarns.

**TUBE:**Blue PVC impregnation.

**TEMPERATURE:**-10C to +55C(15F to +130F)

Item No	Nom. ID"	Nom. OD"	PSI	Std Pack	Weight#
BLAY-075	3/4	0.95	150	300'	0.11
BLAY-100	1	1.11	150	300'	0.13
BLAY-125	1-1/4	1.37	130	300'	0.15
BLAY-150	1-1/2	1.63	70	300'	0.15
BLAY-200	2	2.13	65	300'	0.20
BLAY-250	2-1/2	2.63	65	300'	0.27
BLAY-300	3	3.13	60	300'	0.33
BLAY-400	4	4.14	60	300'	0.46
BLAY-500	5	5.15	45	300'	0.65
BLAY-600	6	6.15	35	300'	0.78
BLAY-800	8	8.16	35	300'	1.22
BLAY-1000	10	10.20	35	300'	1.75
BLAY-1200	12	12.30	30	300'	2.50

**Cut Lengths:** Plus 10%

**Standard Length:** Multiples of 50' up to 300' maximum

**Product Info:** Please specify length required when ordering, i.e. 50', 100'

**Safety Info:** Reduce pressures by 50% at maximum working temperature

**Recommended Couplings:** Cam and groove or short shank

### BLUE LAYFLAT ASSEMBLY



Item No	Assembly Description	Weight#
BLAY-150-25CAS	1-1/2"X25' BLUE LAYFLAT+ C/E CAMLOCK	7.00
BLAY-150-CASS	1-1/2"X50'BLUE LAYFLAT+C/E CAMLOCK	8.99
BLAY-150-SASS	1-1/2"X50'BLUE LAYFLAT+ALUM S/SHANK	8.30
BLAY-200-100CASS	2"X100' BLUE LAYFLAT+C/E CAMLOCK	22.20
BLAY-200-25CAS	2"X25' BLUE LAYFLAT+ C/E CAMLOCK	9.00
BLAY-200-CAS100	2"X100'BLUE LAYFLAT+C/E CAMLOCK (KIT)	22.20
BLAY-200-CASS	2"X50'BLUE LAYFLAT+C/E CAMLOCK	12.20
BLAY-200-SASS	2"X50'BLUE LAYFLAT+ALUM S/SHANK	11.49
BLAY-250-CASS	2-1/2"X50' BLUE LAYFLAT+ C/E CAMLOCK	16.29
BLAY-300-100CASS	3"X100' BLUE LAYFLAT+C/E CAMLOCK	37.13
BLAY-300-CAS100	3"X100' BLUE LAYFLAT+C/E CAMLOCK (KIT)	37.13
BLAY-300-CASS	3"X50'BLUE LAYFLAT+C/E CAMLOCK	20.63
BLAY-300-SASS	3"X50'BLUE LAYFLAT+ALUM S/SHANK	19.29
BLAY-400-CAS100	4"X100'BLUE LAYFLAT+C/E CAMLOCK (KIT)	52.49
BLAY-400-CASS	4"X50'BLUE LAYFLAT+C/E CAMLOCK	29.49
BLAY-600-CASS	6"X50'BLUE LAYFLAT+C/E CAMLOCK	51.08

# WATER SUCTION AND DISCHARGE HOSE

## WATER DISCHARGE - PVC

### BROWN LAYFLAT

**APPLICATION:** Heavy duty layflat hose for portable pump and irrigation use.

**COVER:** Brown PVC impregnation.

**REINFORCEMENT:** Woven high tensile synthetic yarns.

**TUBE:** Brown heavy PVC impregnation.

**TEMPERATURE:** -10C to +60C(15F to +140F)

Item No	Nom. ID"	Nom. OD"	PSI	Std Pack	Weight#
BRLAY-150	1-1/2	1.66	130	300'	0.20
BRLAY-200	2	2.16	115	300'	0.28
BRLAY-250	2-1/2	2.73	100	300'	0.37
BRLAY-300	3	3.18	100	300'	0.46
BRLAY-400	4	4.18	90	300'	0.68
BRLAY-600	6	6.18	70	300'	1.10
BRLAY-800	8	8.19	60	300'	1.66

**Cut Lengths:** Plus 10%

**Standard Length:** Multiples of 50' up to 300' maximum

**Product Info:** Please specify length required when ordering, i.e. 50', 100'

**Safety Info:** Reduce pressures by 50% at maximum working temperature

**Recommended Couplings:** Cam and groove or short shank

### BROWN LAYFLAT ASSEMBLY



Item No	Assembly Description	Weight#
BRLAY-150-10CAS	1-1/2"X100' BROWN LAYFLAT+C+E CAMLOCK	24.00
BRLAY-150-25CAS	1-1/2"X25' BROWN LAYFLAT+C+E CAMLOCK	7.00
BRLAY-150-CASS	1-1/2"X50' BROWN LAYFLAT+C/E CAMLOCK	11.67
BRLAY-150-SASS	1-1/2"X50' BROWN LAYFLAT+ALUM S/SHANK	10.98
BRLAY-200-100CASS	2"X100' BROWN LAYFLAT+C+E CAMLOCK	30.23
BRLAY-200-25CAS	2"X25' BROWN LAYFLAT+C+E CAMLOCK	9.00
BRLAY-200-CASS	2"X50' BROWN LAYFLAT+C+E CAMLOCK	16.20
BRLAY-200-SASS	2"X50' BROWN LAYFLAT+ALUM S/SHANK	15.49
BRLAY-300-100CASS	3"X100' BROWN LAYFLAT+C+E CAMLOCK	50.25
BRLAY-300-10CAS	3"X100' BROWN LAYFLAT+C+E CAMLOCK	51.00
BRLAY-300-25CAS	3"X25' BROWN LAYFLAT+C+E CAMLOCK	14.50
BRLAY-300-CASS	3"X50' BROWN LAYFLAT+C+E CAMLOCK	27.13
BRLAY-300-SASS	3"X50' BROWN LAYFLAT+ALUM S/SHANK	25.79
BRLAY-400-10CAS	4"X100' BROWN LAYFLAT+C+E CAMLOCK	75.00
BRLAY-400-25CAS	4"X25' BROWN LAYFLAT+C+E CAMLOCK	22.00
BRLAY-400-CASS	4"X50' BROWN LAYFLAT+C/E CAMLOCK	40.49
BRLAY-600-10CAS	6"X100' BROWN LAYFLAT+C+E CAMLOCK	120.00
BRLAY-600-25CAS	6"X25' BROWN LAYFLAT+C+E CAMLOCK	38.00
BRLAY-600-CASS	6"X50' BROWN LAYFLAT+C/E CAMLOCK	67.08
BRLAY-800-CASS	8"X50' BROWN LAYFLAT+C/E CAMLOCK	103.04

## WATER SUCTION AND DISCHARGE HOSE

### WATER DISCHARGE - PVC

#### BROWN LAYFLAT - HEAVY DUTY

**APPLICATION:** Heavy duty layflat hose for portable pump and irrigation use.

**COVER:** Brown PVC impregnation.

**REINFORCEMENT:** Woven high tensile synthetic yarns.

**TUBE:** Brown heavy PVC impregnation.

**TEMPERATURE:** -10C to +60C(15F to +140F)

Item No	Nom. ID"	Nom. OD"	PSI	Std Pack	Weight#
BRLAYHD-100	1	1.13	150	300'	0.13
BRLAYHD-150	1-1/2	1.63	150	300'	0.19
BRLAYHD-200	2	2.15	150	300'	0.26
BRLAYHD-250	2-1/2	2.67	150	300'	0.44
BRLAYHD-300	3	3.19	150	300'	0.52
BRLAYHD-400	4	4.27	135	300'	0.74
BRLAYHD-600	6	6.26	115	300'	1.21
BRLAYHD-800	8	8.24	80	300'	1.61

#### GREEN LAYFLAT

**APPLICATION:** Heavy duty layflat hose for portable pump and irrigation use.

**COVER:** Green PVC impregnation.

**REINFORCEMENT:** Woven high tensile synthetic yarns.

**TUBE:** Green heavy PVC impregnation.

**TEMPERATURE:** -10C to +60C(15F to +140F)

Item No	Nom. ID"	Nom. OD"	PSI	Std Pack	Weight#
GRLAY-150	1-1/2	1.75	85	300'	0.17
GRLAY-200	2	2.13	80	300'	0.23
GRLAY-300	3	3.13	75	300'	0.38
GRLAY-400	4	4.14	75	300'	0.53
GRLAY-600	6	6.28	60	300'	1.00

**Cut Lengths:** Plus 10%

**Standard Length:** Multiples of 50' up to 300' maximum

**Product Info:** Please specify length required when ordering, i.e. 50', 100'

**Safety Info:** Reduce pressures by 50% at maximum working temperature

**Recommended Couplings:** Cam and groove, combination nipples or short shank

#### GREEN LAYFLAT ASSEMBLY



Item No	Assembly Description	Weight#
GRLAY-150-CASS	1-1/2"x50'GREEN LAYFLAT+C/E CAMLOCK	10.20
GRLAY-200-CASS	2"X50'GREEN LAYFLAT+C/E CAMLOCK	13.70
GRLAY-300-CASS	3"X50'GREEN LAYFLAT+C/E CAMLOCK	23.13
GRLAY-400-CASS	4"X50'GREEN LAYFLAT+C/E CAMLOCK	32.99

## WATER SUCTION AND DISCHARGE HOSE

### WATER DISCHARGE - RUBBER

#### CONTRACTORS PLUS WATER DISCHARGE



**APPLICATION:**A Medium duty water discharge hose for use on construction sites and general water service

**COVER:**Black abrasion and weather resistant synthetic rubber.

**REINFORCEMENT:**Multiple layers of synthetic yarns.

**TUBE:**Black synthetic rubber compounded for water service.

**TEMPERATURE:**-35C to +80C(-30F to +180F)

Item No	Nom. ID"	Nom. OD"	PSI	Std Pack	Weight#
CWBY-125	1-1/4	1.57	100	100'	0.38
CWBY-150	1-1/2	1.81	100	100'	0.52
CWBY-200	2	2.32	100	100'	0.69
CWBY-250	2-1/2	2.79	100	100'	0.72
CWBY-300	3	3.35	100	100'	0.99
CWBY-350	3-1/2	3.82	100	100'	1.21
CWBY-400	4	4.33	100	100'	1.19
CWBY-600	6	6.38	100	100'	2.28
CWBY-800	8	8.38	75	100'	3.47
CWBY-1000	10	10.43	75	50'	4.58
CWBY-1200	12	12.52	75	50'	5.56

**Cut Lengths:** Plus 10%

**Standard Length:** 50'/100'

**Recommended Couplings:** Cam and groove, combination nipples or short shank. All coupling recommendations are to be used as guidelines and are derived from past user preference. In some cases the preferred coupling is of a lesser pressure rating than the hose. Never exceed the working pressure of the lowest rated component in the assembly. If you require further assistance with regards to coupling choice, please contact Harco Enterprises customer service at 1-800-361-5361.

#### CONTRACTORS PLUS WATER DISCHARGE ASSEMBLY



Item No	Assembly Description	Weight#
CWBY-150-CASS	1-1/2"CONTR PLUS WATER DISCH+C/E CAMLOCK	27.70
CWBY-200-CASS	2"X50'CONTR PLUS WATER DISCH+C/E CAMLOCK	36.73
CWBY-300-CASS	3"X50'CONTR PLUS WATER DISCH+C/E CAMLOCK	53.63
CWBY-400-CASS	4"X50'CONTR PLUS WATER DISCH+C/E CAMLOCK	66.06
CWBY-600-CASS	6"X50'CONTR PLUS WATER DISCH+C/E CAMLOCK	128.17
CWBY-800-CASS	8"X50'CONTR PLUS WATER DISCH+C/E CAMLOCK	193.54

# WATER SUCTION AND DISCHARGE HOSE

## WATER DISCHARGE - RUBBER

### CONTRACTORS WATER DISCHARGE



**APPLICATION:**A lightweight water discharge hose which is ideal for use with portable pumps, and general water discharge service

**COVER:**Black abrasion and weather resistant synthetic rubber.

**REINFORCEMENT:**Two plies of polyester yarns.

**TUBE:**Black synthetic rubber compounded for water service.

**TEMPERATURE:**-35C to +80C(-30F to +180F)

Item No	Nom. ID"	Nom. OD"	PSI	Std Pack	Weight#
CWB-125	1-1/4	1.50	100	100'	0.38
CWB-150	1-1/2	1.73	100	100'	0.43
CWB-200	2	2.24	100	100'	0.58
CWB-250	2-1/2	2.76	75	100'	0.76
CWB-300	3	3.27	75	100'	0.86
CWB-400	4	4.29	75	100'	1.37
CWB-500	5	5.35	75	100'	1.69
CWB-600	6	6.30	75	100'	2.12
CWB-600-50	6	6.30	75	50'	1.77
CWB-1000	10	10.43	75	50'	4.40
CWB-1200	12	12.51	75	50'	3.40

### CONTRACTORS WATER DISCHARGE

**Cut Lengths:** Plus 10%

**Standard Length:** 50'/100'

**Recommended Couplings:** Cam and groove, combination nipples or short shank. All coupling recommendations are to be used as guidelines and are derived from past user preference. In some cases the preferred coupling is of a lesser pressure rating than the hose. Never exceed the working pressure of the lowest rated component in the assembly. If you require further assistance with regards to coupling choice, please contact Harco Enterprises customer service at 1-800-361-5361.

### CONTRACTORS WATER DISCHARGE ASSEMBLY



Item No	Assembly Description	Weight#
CWB-150-25CASS	1-1/2"X25'CONTR WATER DISCH+C/E CAMLOCK	11.00
CWB-150-CASS	1-1/2"X50'CONTR WATER DISCH+C/E CAMLOCK	21.20
CWB-150-SASS	1-1/2"X50'CONTR WATER C/W ALUM S/SHANK	20.31
CWB-200-15CASS	2"X15'CONTR WATER DISCH+C/E CAMLOCK	8.36
CWB-200-25CASS	2"X25'CONTR WATER DISCH+C/E CAMLOCK	14.98
CWB-200-CASS	2"X50'CONTR WATER DISCH+C/E CAMLOCK	27.73
CWB-200-SASS	2"X50'CONTR WATER C/W ALUM S/SHANK	27.02
CWB-300-15CASS	3"X15'CONTR WATER DISCH+C/E CAMLOCK	14.37
CWB-300-25CASS	3"X25'CONTR WATER DISCH+C/E CAMLOCK	25.63
CWB-300-CASS	3"X50' CONTR WATER DISCH+C/E CAMLOCK	47.13
CWB-400-25CASS	4"X25'CONTR WATER DISCH+C&E ALUM	30.00
CWB-400-CASS	4"X50'CONTR WATER DISCH+C/E CAMLOCK	57.49
CWB-600-25CASS	6"X25' CONTR WATER DISCH+C/E ALUM	47.13
CWB-600-CASS	6"X50' CONTR WATER DISCH+C/E CAMLOCK	100.63

# WATER SUCTION AND DISCHARGE HOSE

## WATER DISCHARGE - RUBBER

### CONTRACTORS WATER DISCHARGE - GARDEN HOSE



**APPLICATION:** For use on construction sites and general water service

**COVER:** Black abrasion and weather resistant synthetic rubber.

**REINFORCEMENT:** Multiple layers of synthetic yarns.

**TUBE:** Black synthetic rubber compounded for water service.

**TEMPERATURE:** -35C to +80C (-30F to +180F)

Item No	Nom. ID"	Nom. OD"	PSI	Std Pack	Weight#
CWB-050-200	1/2	0.78	200	300'	0.21
CWB-050-200-25	1/2	0.78	200	25'	0.19
CWB-050-200-50	1/2	0.78	200	50'	0.19
CWB-050-200-100	1/2	0.78	200	100'	0.21
CWB-050-250	1/2	0.84	250	300'	0.22
CWB-050-300	1/2	0.83	300	300'	0.25
CWB-063-200	5/8	0.94	200	300'	0.27
CWB-063-200-50	5/8	0.94	200	50'	0.28
CWB-063-200-100	5/8	0.94	200	100'	0.28
CWB-075-150	3/4	1.08	150	300'	0.32
CWB-075-150-50	3/4	1.08	150	50'	0.35
CWB-075-150-100	3/4	1.08	150	100'	0.35
CWB-075-300	3/4	1.14	300	300'	0.35
CWB-100-150	1	1.40	150	100'	0.44
CWB-100-200	1	1.40	150	100'	0.44
CWB-100-250	1	1.40	150		0.44

**Cut Lengths:** Plus 5%

**Standard Length:** 50'/100'/300' coils

**Recommended Couplings:** Brass barbed attached with crimped on ferrules. All coupling recommendations are to be used as guidelines and are derived from past user preference. In some cases the preferred coupling is of a lesser pressure rating than the hose. Never exceed the working pressure of the lowest rated component in the assembly. If you require further assistance with regards to coupling choice, please contact Harco Enterprises customer service at 1-800-361-5361.

### CONTRACTORS WATER DISCHARGE - GARDEN HOSE ASSEMBLY



Item No	Assembly Description	Weight#
CWB-050-150GH2	1/2"X25'X200 PSI CONTR WATER C/W GHT	5.04
CWB-050-150GH5	1/2"X50' 200 PSI CONTR WATER C/W GHT	9.79
CWB-050-150GH75	1/2"X75'X200 PSI CONTR WATER C/W GHT	15.29
CWB-050-150GH10	1/2"X100'X200 PSI CONTR WATER C/W GHT	19.29
CWB-050-250GH5	1/2"X50'X250 PSI CONTR WATER C/W GHT	11.29
CWB-050-250GH10	1/2"X100'X250 PSI CONTR WATER C/W GHT	22.29
CWB-050-300GH5	1/2"X50'X300 PSI CONTR WATER C/W GHT	0.11
CWB-050-300GH10	1/2"X100'X300 PSI CONTR WATER C/W GHT	0.22
CWB-063-200GH15	5/8"X 15'X200 PSI CONTR WATER C/W GHT	6.00
CWB-063-200GH25	5/8"X 25'X200 PSI CONTR WATER C/W GHT	7.22
CWB-063-200GH50	5/8"X 50'X200 PSI CONTR WATER C/W GHT	14.22
CWB-063-200GH75	5/8"X 75'X200 PSI CONTR WATER C/W GHT	21.97
CWB-063-200GH10	5/8"X100'X200 PSI CONTR WATER C/W GHT	28.22
CWB-075-150GH2	3/4"X25'X150 PSI CONTR WATER C/W GHT	8.36
CWB-075-150GH5	3/4"X50'X150 PSI CONTR WATER C/W GHT	16.61
CWB-075-150GH75	3/4"X75'X150 PSI CONTR WATER C/W GHT	24.11
CWB-075-150GH10	3/4"X100'X150 PSI CONTR WATER C/WGHT	32.11
CWB-075-250GH5	3/4"X50'X250 PSI CONTR WATER C/W GHT	17.61
CWB-075-250GH10	3/4"X100'X250 PSI CONTR WATER C/W GHT	35.11
CWB-100-150DD10	1"X100'X 150PSI BLACK DIAMOND DRILL ASSY	45.58



# WATER SUCTION AND DISCHARGE HOSE

## WATER DISCHARGE - RUBBER

### DURAFLEX - RUBBER LAYFLAT



**APPLICATION:** Specifically manufactured to compete with OROFLEX imitation hose. This is a lightweight high pressure, extremely strong hose for general water discharge service. Ideal for rental service where long life and competitive pricing is paramount. Its compact characteristics make this an ideal hose for use with portable pumps. Especially suited for pumping oily contaminated water.

**COVER:** Black abrasion, weather and oil resistant nitrile rubber.

**REINFORCEMENT:** Circular woven synthetic yarns.

**TUBE:** Black abrasion and oil resistant nitrile rubber.

**TEMPERATURE:** -20C to +80C(0F to +180F)

Item No	Nom. ID"	Nom. OD"	PSI	Std Pack	Weight#
DURFL-150	1-1/2	1.68	200	200'	0.24
DURFL-200	2	2.18	200	200'	0.31
DURFL-250	2-1/2	2.68	175	200'	0.45
DURFL-300	3	3.22	175	200'	0.59
DURFL-400	4	4.24	150	200'	0.65
DURFL-400-50	4	4.24	150	200'	0.65
DURFL-600	6	6.26	150	200'	1.10
DURFL-600-50	6	6.26	150	200'	1.10

**Cut Lengths:** Plus 10%

**Standard Length:** 50'/100'

**Product Info:** 200 Lengths Will Be Shipped Unless Otherwise Specified On Duraflex

**Recommended Couplings:** Cam and groove, combination nipples or short shank. All coupling recommendations are to be used as guidelines and are derived from past user preference. In some cases the preferred coupling is of a lesser pressure rating than the hose. Never exceed the working pressure of the lowest rated component in the assembly. If you require further assistance with regards to coupling choice, please contact Harco Enterprises customer service at 1-800-361-5361.

### DURAFLEX - RUBBER LAYFLAT ASSEMBLY



Item No	Assembly Description	Nom. ID"	Nom. OD"	PSI	Weight#
DURFL-150-100CASS	1-1/2"x100' DURAFLEX + C/E CAMLOCK				25.67
DURFL-150-25CASS	1-1/2"x25' DURAFLEX + C/E CAMLOCK				7.67
DURFL-150-CASS	1-1/2"x50' DURAFLEX + C/E CAMLOCK				13.67
DURFL-200-100CASS	2"x100' DURAFLEX + C/E CAMLOCK				26.23
DURFL-200-25CASS	2"x25' DURAFLEX + C/E CAMLOCK				8.23
DURFL-200-CASS	2"x50' DURAFLEX + C/E CAMLOCK				14.20
DURFL-300-100CASS	3"x100' DURAFLEX + C/E CAMLOCK				39.13
DURFL-300-25CASS	3"x25' DURAFLEX + C/E CAMLOCK				12.88
DURFL-300-CASS	3"x50' DURAFLEX + C/E CAMLOCK				21.63
DURFL-400-100CASS	4"x100' DURAFLEX + C/E CAMLOCK				51.49
DURFL-400-25CASS	4"x25' DURAFLEX + C/E CAMLOCK				17.74
DURFL-400-CASS	4"x50' DURAFLEX + C/E CAMLOCK				28.99
DURFL-600-100CASS	6"x100' DURAFLEX + C/E CAMLOCK				91.67
DURFL-600-25CASS	6"x25' DURAFLEX + C/E CAMLOCK				31.67
DURFL-600-CASS	6"x50' DURAFLEX + C/E CAMLOCK				51.67

## WATER SUCTION AND DISCHARGE HOSE

### WATER DISCHARGE - RUBBER

#### DURAFLEX - RUBBER/TPU LAYFLAT



**APPLICATION:** This hose can be used in various water discharge applications. Its superior abrasion resistant polyurethane cover makes it ideal for use in areas of rugged terrain. It can also be used in agricultural environments for conveyance of chemicals. Specially formulated materials allow this hose to be used for low temperature applications.

**COVER:** Black super abrasion resistant polyurethane.

**REINFORCEMENT:** Circular woven synthetic yarns.

**TUBE:** Black chemical resistant EPDM rubber.

**TEMPERATURE:** -40C to +70C (-40F to +158F)

Item No	Nom. ID"	Nom. OD"	PSI	Wall Thickness"	Std Pack	Weight#
DURFLS-200	2	2.14	200	0.070	200'	0.23
DURFLS-300	3	3.20	200	0.100	200'	0.50
DURFLS-400	4	4.21	200	0.105	200'	0.63
DURFLS-600	6	6.22	200	0.110	200'	1.04

**Cut Lengths:** Plus 10%

**Standard Length:** 50'/100'

**Product Info:** 200 Lengths Will Be Shipped Unless Otherwise Specified On Duraflex

**Recommended Couplings:** Cam and groove, combination nipples or short shank. All coupling recommendations are to be used as guidelines and are derived from past user preference. In some cases the preferred coupling is of a lesser pressure rating than the hose. Never exceed the working pressure of the lowest rated component in the assembly. If you require further assistance with regards to coupling choice, please contact Harco Enterprises customer service at 1-800-361-5361.

#### HEAVY DUTY WATER DISCHARGE/LOW PRESSURE AIR



**APPLICATION:** A heavy duty hose for water discharge, and light duty air service up to 100 psi for sizes up to 2" only.

**COVER:** Green abrasion and weather resistant synthetic rubber.

**REINFORCEMENT:** Multiple layers of synthetic yarn.

**TUBE:** Black synthetic rubber compounded for water service.

**TEMPERATURE:** -35C to +80C (-30F to +180F)

Item No	Nom. ID"	Nom. OD"	PSI	Std Pack	Weight#
HDWG-125	1-1/4	1.65	150	100'	0.63
HDWG-150	1-1/2	1.95	150	100'	0.90
HDWG-200	2	2.52	150	100'	1.27
HDWG-250	2-1/2	2.99	150	100'	1.46
HDWG-300	3	3.50	125	100'	1.78
HDWG-400	4	4.50	125	100'	2.29
HDWG-600	6	6.49	125	100'	3.34
HDWG-800	8	8.58	125	100'	5.06
HDWG-500	5	5.50	125	100'	3.22
HDWG-1000	10	10.67	125	50'	6.27
HDWG-1200	12	12.67	100	50'	6.30

**Cut Lengths:** Plus 10%

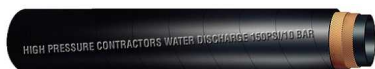
**Standard Length:** 50'/100'

**Recommended Couplings:** Cam and groove, combination nipples or short shank. Crimplok cam and groove, Crimplok nipples. All coupling recommendations are to be used as guidelines and are derived from past user preference. In some cases the preferred coupling is of a lesser pressure rating than the hose. Never exceed the working pressure of the lowest rated component in the assembly. If you require further assistance with regards to coupling choice, please contact Harco Enterprises customer service at 1-800-361-5361.

## WATER SUCTION AND DISCHARGE HOSE

### WATER DISCHARGE - RUBBER

#### HIGH PRESSURE CONTRACTORS WATER DISCHARGE



**APPLICATION:** For use on construction sites and general water service. High pressure allows pumping against greater vertical heads

**COVER:** Black abrasion and weather resistant synthetic rubber, with embossed brand and pressure.

**REINFORCEMENT:** Multiple layers of synthetic yarn.

**TUBE:** Black synthetic rubber compounded for water service.

**TEMPERATURE:** -35C to +80C (-30F to +180F)

Item No	Nom. ID"	Nom. OD"	PSI	Std Pack	Weight#
HPCWB-125	1-1/4	1.54	150	100'	0.37
HPCWB-150	1-1/2	1.77	150	100'	0.49
HPCWB-200	2	2.28	150	100'	0.48
HPCWB-250	2-1/2	2.79	150	100'	0.76
HPCWB-300	3	3.35	150	100'	1.08
HPCWB-400	4	4.37	150	100'	1.38
HPCWB-600	6	6.46	150	100'	2.62
HPCWB-800	8	8.54	150	100'	4.93
HPCWB-1000	10	10.55	150	50'	5.78

**Cut Lengths:** Plus 10%

**Standard Length:** 50'/100'

**Recommended Couplings:** Cam and groove, combination nipples or short shank. Crimplok cam and groove, Crimplok nipple. All coupling recommendations are to be used as guidelines and are derived from past user preference. In some cases the preferred coupling is of a lesser pressure rating than the hose. Never exceed the working pressure of the lowest rated component in the assembly. If you require further assistance with regards to coupling choice, please contact Harco Enterprises customer service at 1-800-361-5361.

#### HIGH PRESSURE CONTRACTORS WATER DISCHARGE ASSEMBLY



Item No	Assembly Description	Weight#
HPCWB-150-CASS	1-1/2" X 50' H.P. CONTR WATER + C/E CAMLOCKS	23.20
HPCWB-200-CASS	2" X 50' H.P. CONTR WATER + C/E CAMLOCKS	34.73
HPCWB-300-CASS	3" X 50' H.P. CONTR WATER + C/E CAMLOCKS	58.13
HPCWB-400-CASS	4" X 50' H.P. CONTR WATER + C/E CAMLOCKS	95.84
HPCWB-600-CASS	6" X 50' H.P. CONTR WATER + C/E CAMLOCKS	146.69

## WATER SUCTION AND DISCHARGE HOSE

### WATER DISCHARGE - RUBBER

#### HIGH PRESSURE WATER DISCHARGE 250



**APPLICATION:**For use on construction sites and general water service. High pressure allows pumping against greater vertical heads

**COVER:**Black abrasion and weather resistant synthetic rubber, with embossed brand and pressure.

**REINFORCEMENT:**Multiple layers of synthetic yarn.

**TUBE:**Black synthetic rubber compounded for water service.

**TEMPERATURE:**-35C to +80C(-30F to +180F)

Item No	Nom. ID"	Nom. OD"	PSI	Std Pack	Weight#
HPCWB250-200	2	2.40	250	100'	1.15
HPCWB250-300	3	3.46	250	100'	1.60
HPCWB200-400	4	4.48	200	100'	2.15

**Cut Lengths:** Plus 10%

**Standard Length:** 100'

**Recommended Couplings:** Cam and groove, combination nipples or short shank. Crimplok cam and groove, Crimplok combination nipple. All coupling recommendations are to be used as guidelines and are derived from past user preference. In some cases the preferred coupling is of a lesser pressure rating than the hose. Never exceed the working pressure of the lowest rated component in the assembly. If you require further assistance with regards to coupling choice, please contact Harco Enterprises customer service at 1-800-361-5361.

#### PACKERS WASHDOWN



**APPLICATION:**A mandrel built hose for wash-down service in breweries, dairies, packing houses, fish processing plants and canneries. Suitable for room temperature washdown only, when used in areas where the cover will be in contact with animal fats and vegetable

**COVER:**Green, heat and oil resistant synthetic rubber cover.

**REINFORCEMENT:**Two layers of synthetic yarns.

**TUBE:**Black heat resistant synthetic rubber.

**TEMPERATURE:**-32C to +88C(-25F to 190F)

Item No	Nom. ID"	Nom. OD"	PSI	Std Pack	Weight#
PACK-050-100	1/2	0.92	250	100'	0.25
PACK-075-100	3/4	1.26	250	100'	0.43
PACK-075-75	3/4	1.26	250	75'	0.43
PACK-100-100	1	1.50	250	100'	0.54

## WATER SUCTION AND DISCHARGE HOSE

### WATER DISCHARGE - RUBBER

#### OROFLEX - PREMIUM RUBBER LAYFLAT



**APPLICATION:**The Original and often copied premium rubber layflat hose. It is a lightweight high pressure, extremely strong hose for general water discharge, and for some chemicals. Its lightweight compact characteristics make this an ideal hose for use with port

**COVER:**Black abrasion, weather and oil resistant nitrile rubber.

**REINFORCEMENT:**Circular woven polyester yarns.

**TUBE:**Black abrasion and oil resistant nitrile rubber.

**TEMPERATURE:**-20C to +80C(0F to +180F)

Item No	Nom. ID"	Nom. OD"	PSI	Std Pack	Weight#
ORO10-100	1	1.16	250		0.14
ORO10-150	1-1/2	1.66	200	200'	0.21
ORO10-200	2	2.16	200	200'	0.30
ORO10-300	3	3.20	175	200'	0.46
ORO10-400	4	4.20	150	200'	0.64
ORO10-600	6	6.24	150	200'	1.11
ORO10-600-660	6	6.24	150	660'	1.11
ORO10-800	8	8.24	150	200'	1.51
ORO10-800-660	8	8.24	150	660'	1.51
ORO10-1000	10	10.28	150	200'	2.50

**Cut Lengths:** Plus 10%

**Standard Length:** 50'/100'/200'/660' on request

**Product Info:** Not suitable for petroleum products having an aromatic content over 30%. Not suitable for compressed air service

**Recommended Couplings:** Cam and groove, combination nipples or short shank. Crimplok cam and groove, Crimplok nipple. All coupling recommendations are to be used as guidelines and are derived from past user preference. In some cases the preferred coupling is of a lesser pressure rating than the hose. Never exceed the working pressure of the lowest rated component in the assembly. If you require further assistance with regards to coupling choice, please contact Harco Enterprises customer service at 1-800-361-5361.

#### OROFLEX - PREMIUM RUBBER LAYFLAT ASSEMBLY



Item No	Assembly Description	Weight#
ORO10-150-10PYR	1-1/2"X100'OROFLEX 10 C/W M/F PYROLITE	29.00
ORO10-150-BRASS	1-1/2"X50'OROFLEX 10 C/W BRASS EXP CPLG	12.88
ORO10-150-CASS	1-1/2"X50'OROFLEX 10+C/E CAMLOCK	12.17
ORO10-150-PYRO	1-1/2"X50'OROFLEX 10 C/W M/F PYROLITE	11.31
ORO10-150-SASS	1-1/2"X50'OROFLEX 10+M/F ALUM S.SHANK	11.30
ORO10-200-10CAS	2"X100'OROFLEX 10 +C&E CAMLOCK	32.23
ORO10-200-CASS	2"X50'OROFLEX 10 +C/E CAMLOCK	17.23
ORO10-200-SASS	2"X50'OROFLEX 10 +M/F ALUM S.SHANK	16.52
ORO10-300-10CAS	3"X100'OROFLEX 10 +C/E CAMLOCK	50.13
ORO10-300-CASS	3"X50'OROFLEX 10 +C/E CAMLOCK	27.13
ORO10-400-10CAS	4"X100'OROFLEX 10 +C/E CAMLOCK	70.49
ORO10-400-CASS	4"X50'OROFLEX 10 +C/E CAMLOCK	38.49
ORO10-600-10CAS	6"X100'OROFLEX 10 +C/E CAMLOCK	125.17
ORO10-600-CASS	6"X50'OROFLEX 10 +C/E CAMLOCK	69.67
ORO10-800-VASS	8"X50' OROFLEX 10 + VICTAULIC ENDS	143.14
ORO10-1000-VASS	10"X50' OROFLEX 10 + VICTAULIC ENDS	165.42

# WATER SUCTION AND DISCHARGE HOSE

## WATER DISCHARGE - RUBBER

### FRACLINE - PREMIUM RUBBER LAYFLAT



**APPLICATION:** Specially designed for mining, fracking, dewatering, water bypass operations, petro-chemical refineries (Resists Aromatics) as well as main sludge and manure feed lines

**COVER:** Black abrasion, weather and oil resistant nitrile rubber.

**REINFORCEMENT:** Circular woven polyester yarns.

**TUBE:** Black abrasion and oil resistant nitrile rubber.

**TEMPERATURE:** -30C to +80C (-22F to +180F)

Item No	Nom. ID"	Nom. OD"	PSI	Wall Thickness"	Std Pack	Weight#
ORO20-600-660	6	6.39	200	0.175	660'	1.85
ORO20-800-660	8	8.39	200	0.175	660'	3.00
ORO20-1000-660	10	10.35	200	0.175	660'	3.35
ORO20-1200-660	12	12.34	200	0.170	660'	4.56

**Standard Length:** 660'

**Product Info:** expect up to 15% short lengths on large orders. 2 Year warranty on materials and workmanship for hoses used in water transfer for fracking. [Call for availability](#)

**Recommended Couplings:** Crimped shank nipples or reusable bolt-on frac fittings. All coupling recommendations are to be used as guidelines and are derived from past user preference. In some cases the preferred coupling is of a lesser pressure rating than the hose. Never exceed the working pressure of the lowest rated component in the assembly. If you require further assistance with regards to coupling choice, please contact Harco Enterprises customer service at 1-800-361-5361.

### FRACLINE - PREMIUM TPU



**APPLICATION:** For use in transferring chemicals, petroleum, slurry or potable water over highly abrasive terrain.

**COVER:** Thermosplatic polyurethane extruded through the weave.

**REINFORCEMENT:** High strength circular woven polyester.

**TUBE:** Thermosplatic polyurethane extruded through the weave.

**TEMPERATURE:** -50C to +80C (-58F to +176F)

Item No	Nom. ID"	Nom. OD"	PSI	Wall Thickness"	Std Pack	Weight#
FRACTPU-600-660	6	6.34	200	0.170	660'	1.65
FRACTPU-800-660	8	8.35	200	0.177	660'	2.15
FRACTPU-1000-660	10	10.38	200	0.189	660'	3.00
FRACTPU-1200-660	12	12.39	150	0.197	660'	3.40

**Standard Length:** 660'

**Product Info:** 5 Year warranty on materials and workmanship for hoses used in water transfer for fracking. [Call for availability](#).

**Recommended Couplings:** Reusable bolt-on frac fittings. All coupling recommendations are to be used as guidelines and are derived from past user preference. In some cases the preferred coupling is of a lesser pressure rating than the hose. Never exceed the working pressure of the lowest rated component in the assembly. If you require further assistance with regards to coupling choice, please contact Harco Enterprises customer service at 1-800-361-5361.

# WATER SUCTION AND DISCHARGE HOSE

## WATER DISCHARGE - RUBBER

### FRACLINE - RUBBER LAYFLAT



**APPLICATION:** Specially designed for mining, fracking, dewatering, water bypass operations, petro-chemical refineries(Resists Aromatics)as well as main sludge and manure feed lines

**COVER:** Black abrasion and oil resistant nitrile rubber tube and cover extruded through the weave

**REINFORCEMENT:** Circular woven polyester yarn reinforcement

**TUBE:** Black abrasion and oil resistant nitrile rubber tube and cover extruded through the weave

**TEMPERATURE:** -30C to +80C(-22F to +180F)

Item No	Nom. ID"	Nom. OD"	PSI	Std Pack	Weight#
FRACNBR200-1000-50	10	10.35	200	50	3.1
FRACNBR200-1000-660	10	10.35	200	660	3.1
FRACNBR200-600-660	6	6.26	200	660	1.65
FRACNBR200-800-50	8	8.32	200	50	2.4
FRACNBR200-800-660	8	8.32	200	660	2.4
FRACNBR300-1000-100	10	10.35	300	100	3.35
FRACNBR300-1000-50	10	10.35	300	50	3.35
FRACNBR300-1000-660	10	10.35	300	660	3.35
FRACNBR300-600-660	6	6.33	300	660	1.98
FRACNBR300-800-100	8	8.33	300	100	2.51
FRACNBR300-800-50	8	8.33	300	50	2.51
FRACNBR300-800-660	8	8.33	300	660	2.51

### PAPERMILL WASHDOWN



**APPLICATION:** Suitable for hot or cold water washdown service in paper mills. Hose incorporates an integral built-in tapered rubber nozzle.

**COVER:** Green abrasion resistant synthetic rubber.

**REINFORCEMENT:** Multiple layers of moisture resistant yarn.

**TUBE:** Black synthetic heat resistant rubber.

**TEMPERATURE:** -35C to +80C(-30F to +180F)

Item No	Nom. ID"	Nom. OD"	PSI	Std Pack	Weight#
PWG-050	1/2	0.94	250	50'	13.50
PWG-075	3/4	1.26	250	50'	22.50
PWG-100	1	1.50	250	50'	27.50
PWG-125	1-1/4	1.77	250	50'	30.00
PWG-150	1-1/2	2.09	250	50'	43.50

### PAPERMILL WASHDOWN ASSEMBLY

Item No	Assembly Description	Weight#
PWG-075-LFASS	3/4"X50'PAPERMILL+NOZZLE+LF075SP	22.50
PWG-125-LFASS	1-1/4"X50'PAPERMILL+NOZZLE+LF125DP	30.00

## WATER SUCTION AND DISCHARGE HOSE

### WATER DISCHARGE - RUBBER

#### SUPREME WHITE SANITARY



**APPLICATION:**For general clean-up and hot water washdown service in dairies, creameries, meat packing houses, food processing and bottling plants. Mandrel built with premium materials to give longer service life at high temperatures.

**COVER:**Heat and abrasion resistant white EPDM synthetic rubber.

**REINFORCEMENT:**Two layers of synthetic yarns, fungus and mould resistant.

**TUBE:**White heat resistant EPDM synthetic rubber.

**TEMPERATURE:**-40C to +93C(-40F to +200F)

Item No	Nom. ID"	Nom. OD"	PSI	Std Pack	Weight#
SWS-050	1/2	1.00	150	100'	0.34
SWS-075	3/4	1.26	150	100'	0.43
SWS-100	1	1.50	150	100'	0.58

**Cut Lengths:** Plus 10%

**Standard Length:** 50'/100'

**Recommended Couplings:** Long shank or high pressure

#### WHITE SANITARY



**APPLICATION:**For general clean-up and hot water washdown service in dairies, creameries, meat packing houses, food processing and bottling plants.

**COVER:**White heat and abrasion resistant EPDM synthetic rubber.

**REINFORCEMENT:**Two layers of synthetic yarns, fungus and mould resistant.

**TUBE:**Black heat resistant EPDM synthetic rubber.

**TEMPERATURE:**-40C to +93C(-40F to 200F)

Item No	Nom. ID"	Nom. OD"	PSI	Std Pack	Weight#
SAN-050	1/2	0.91	250	300'	0.31
SAN-075	3/4	1.25	200	300'	0.54

**Cut Lengths:** Plus 10%

**Standard Length:** 50'/100'

**Recommended Couplings:** Long shank or high pressure



# WATER SUCTION AND DISCHARGE HOSE

## WATER SUCTION - PVC

### HEAVY DUTY PVC WATER S&D



**APPLICATION:** An economical, flexible hose for construction pumps, septic tank and marine pumpout service, mining and quarry use. Resistant to some chemicals, mild acids and alkalis. Consult us for recommendations. Low durometer compounds allow for increased flexibility.

**COVER:** Blue abrasion and weather resistant extra soft PVC

**REINFORCEMENT:** Rigid PVC helix

**TUBE:** Smooth Blue extra soft PVC

**TEMPERATURE:** -23C to +65C (10F to +150F)

Item No	Nom. ID"	Nom. OD"	Vacuum	PSI	Bend Radius"	Std Pack	Weight#
HDPVC-075	3/4	1.03	28	100	2.50	100'	0.21
HDPVC-100	1	1.28	28	100	3.00	100'	0.26
HDPVC-125	1-1/4	1.55	28	100	3.50	100'	0.40
HDPVC-150	1-1/2	1.85	28	100	4.00	100'	0.47
HDPVC-200	2	2.42	28	90	5.50	100'	0.70
HDPVC-250	2-1/2	2.90	28	80	7.00	100'	1.02
HDPVC-300	3	3.45	28	75	10.00	100'	1.25
HDPVC-400	4	4.55	28	60	14.00	100'	1.90
HDPVC-500	5	5.60	28	55	20.00	100'	2.40
HDPVC-600	6	6.70	28	50	25.00	100'	3.80
HDPVC-800	8	8.86	26	30	33.00	60'	6.80

**Cut Lengths:** Plus 10%

**Standard Length:** 3/4"- 6" 100. 8"- 60'

**Product Info:**

**Safety Info:** Reduce pressures by 50% at maximum working temperature

**Recommended Couplings:** Cam and groove or short shank. All coupling recommendations are to be used as guidelines and are derived from past user preference. In some cases the preferred coupling is of a lesser pressure rating than the hose. Never exceed the working pressure of the lowest rated component in the assembly. If you require further assistance with regards to coupling choice, please contact Harco Enterprises customer service at 1-800-361-5361.

# WATER SUCTION AND DISCHARGE HOSE

## WATER SUCTION - PVC

### SATURN GREEN PVC WATER S&D



**APPLICATION:**An economical, flexible hose for construction pumps, septic tank & marine pump-out service. Resistant to some chemicals, mild acids & alkalis. Consult us for recommendations.

**COVER:**Clear abrasion and weather resistant PVC.

**REINFORCEMENT:**Green PVC helix.

**TUBE:**Smooth clear PVC.

**TEMPERATURE:**-20C to +65C(-5F to +150F)

Item No	Nom. ID"	Nom. OD"	Vacuum	PSI	Bend Radius"	Std Pack	Weight#
SATG-075	3/4	0.95	29	90	2.00	100'	0.16
SATG-100	1	1.24	29	85	3.00	100'	0.26
SATG-125	1-1/4	1.54	29	80	4.00	100'	0.34
SATG-150	1-1/2	1.81	29	70	6.00	100'	0.44
SATG-200	2	2.29	29	65	5.00	100'	0.57
SATG-250	2-1/2	2.85	29	60	6.00	100'	0.87
SATG-300	3	3.43	29	60	12.00	100'	1.21
SATG-400	4	4.45	29	50	10.00	100'	1.78
SATG-600	6	6.67	28	35	25.00	100'	3.70
SATG-800	8	8.82	28	25	30.00	20'	6.07

**Cut Lengths:** Plus 10%

**Standard Length:** 100'

**Safety Info:** Suction and Pressure ratings are based on a temperature of 20C (68F), reduce by 50% at maximum working temperature

**Recommended Couplings:** Cam and groove, combination nipple or short shank. Crimplok cam and groove, Crimplok nipple. All coupling recommendations are to be used as guidelines and are derived from past user preference. In some cases the preferred coupling is of a lesser pressure rating than the hose. Never exceed the working pressure of the lowest rated component in the assembly. If you require further assistance with regards to coupling choice, please contact Harco Enterprises customer service at 1-800-361-5361.

### SATURN GREEN PVC WATER S&D HOSE ASSEMBLY



Item No	Assembly Description	Weight#
SATG-150-20CKC	1-1/2"X20' SATURN GREEN HELIX PVC SUCT+PART C+KC	10.71
SATG-150-25CKC	1-1/2"X25' SATURN GREEN HELIX PVC SUCT+PART C+KC	12.91
SATG-200-20CKC	2"X20' SATURN GREEN HELIX PVC SUCT+PART C+KC	13.93
SATG-200-25CKC	2"X25' SATURN GREEN HELIX PVC SUCT+PART C+KC	16.78
SATG-300-20CKC	3"X20' SATURN GREEN HELIX PVC SUCT+PART C+KC	28.86
SATG-300-25CKC	3"X25' SATURN GREEN HELIX PVC SUCT+PART C+KC	34.91
SATG-400-20CKC	4"X20' SATURN GREEN HELIX PVC SUCT+PART C+KC	43.46
SATG-400-25CKC	4"X25' SATURN GREEN HELIX PVC SUCT+PART C+KC	52.36
SATG-600-20CKC	6"X20' SATURN GREEN HELIX PVC SUCT+PART C+KC	95.94
SATG-600-25CKC	6"X25' SATURN GREEN HELIX PVC SUCT+PART C+KC	114.44

## WATER SUCTION AND DISCHARGE HOSE

### WATER SUCTION - PVC

#### SATURN GREY PVC WATER S&D



**APPLICATION:**An economical, flexible hose for construction pumps, septic tank & irrigation lines. Resistant to some chemicals, mild acids & alkalis. Consult us for recommendations.

**COVER:**Clear abrasion and weather resistant PVC.

**REINFORCEMENT:**Grey PVC helix.

**TUBE:**Smooth clear PVC.

**TEMPERATURE:**-40C to +65C(-40F to +150F)

Item No	Nom. ID"	Nom. OD"	Vacuum	PSI	Bend Radius"	Std Pack	Weight#
SATC-100	1	1.22	29	45	2.00	100'	0.15
SATC-1000	10	11.20	28	15	30.00	20'	7.08
SATC-1200	12	13.32	26	15	40.00	20'	9.79
SATC-125	1-1/4	1.48	29	35	2.50	100'	0.18
SATC-150	1-1/2	1.83	29	35	2.50	100'	0.28
SATC-200	2	2.35	29	35	3.00	100'	0.44
SATC-250	2-1/2	2.90	29	30	5.00	100'	0.60
SATC-300	3	3.64	29	30	6.00	100'	1.18
SATC-400	4	4.76	29	20	9.00	100'	1.92
SATC-500	5	5.75	28	20	10.00	100'	2.42
SATC-600	6	7.00	28	20	11.00	100'	3.76
SATC-800	8	9.05	28	20	16.00	40'	4.84

**Cut Lengths:** Plus 10%

**Standard Length:** 100'

**Safety Info:** Suction and Pressure ratings are based on a temperature of 20C (68F), reduce by 50% at maximum working temperature

**Recommended Couplings:** Cam and groove, combination nipple or short shank. Crimplok cam and groove, Crimplok nipple. All coupling recommendations are to be used as guidelines and are derived from past user preference. In some cases the preferred coupling is of a lesser pressure rating than the hose. Never exceed the working pressure of the lowest rated component in the assembly. If you require further assistance with regards to coupling choice, please contact Harco Enterprises customer service at 1-800-361-5361.

#### SATURN LOW TEMPERATURE PVC WATER S&D



**APPLICATION:**An economical, flexible hose for construction pumps, septic tank & marine pump-out service. Resistant to some chemicals, mild acids & alkalis. Consult us for recommendations. Specially formulated compounds allow for increased flexibility at low temperatures.

**COVER:**Clear abrasion and weather resistant extra soft PVC.

**REINFORCEMENT:**Blue PVC helix.

**TUBE:**Smooth clear extra soft PVC.

**TEMPERATURE:**-40C to +65C(-40F to +150F)

Item No	Nom. ID"	Nom. OD"	Vacuum	PSI	Bend Radius"	Std Pack	Weight#
SATLT-075	3/4	0.95	29	90	3.00	100'	0.16
SATLT-100	1	1.24	29	85	3.00	100'	0.26
SATLT-125	1-1/4	1.54	29	80	4.00	100'	0.34
SATLT-150	1-1/2	1.81	29	70	5.00	100'	0.44
SATLT-200	2	2.39	29	70	7.00	100'	0.75
SATLT-250	2-1/2	2.94	29	70	8.00	100'	1.02
SATLT-300	3	3.43	29	65	10.00	100'	1.21
SATLT-400	4	4.54	29	50	14.00	100'	2.02
SATLT-600	6	6.67	28	35	23.00	100'	3.70

**Cut Lengths:** Plus 10%

**Standard Length:** 100'

**Safety Info:** Suction and Pressure ratings are based on a temperature of 20C (68F), reduce by 50% at maximum working temperature

**Recommended Couplings:** Cam and groove, combination nipple or short shank. Crimplok cam and groove, Crimplok nipple. All coupling recommendations are to be used as guidelines and are derived from past user preference. In some cases the preferred coupling is of a lesser pressure rating than the hose. Never exceed the working pressure of the lowest rated component in the assembly. If you require further assistance with regards to coupling choice, please contact Harco Enterprises customer service at 1-800-361-5361.

# WATER SUCTION AND DISCHARGE HOSE

## WATER SUCTION - PVC

### SATURN OLIVE GREEN PVC WATER S&D



**APPLICATION:**An economical, flexible hose for construction pumps, septic tank & marine pump-out service. Resistant to some chemicals, mild acids & alkalis. Consult us for recommendations.

**COVER:**Green abrasion and weather resistant PVC.

**REINFORCEMENT:**Green PVC helix

**TUBE:**Smooth green PVC

**TEMPERATURE:**-20C to +65C(-5F to +150F)

Item No	Nom. ID"	Nom. OD"	Vacuum	Bend Radius"	Std Pack	Weight#
SATO-075	3/4	1.01	29	2.50	100'	0.19
SATO-100	1	1.28	29	3.00	100'	0.26
SATO-125	1-1/4	1.56	29	4.00	100'	0.35
SATO-150	1-1/2	1.83	29	6.00	100'	0.48
SATO-200	2	2.34	29	5.00	100'	0.66
SATO-250	2-1/2	2.87	29	6.00	100'	0.87
SATO-300	3	3.46	29	12.00	100'	1.24
SATO-400	4	4.49	29	10.00	100'	1.85
SATO-600	6	6.75	28	25.00	100'	3.39
SATO-800	8	8.86	28	30.00	100'	5.63

**Cut Lengths:** Plus 10%

**Standard Length:** 100'

**Safety Info:** Suction and Pressure ratings are based on a temperature of 20C (68F), reduce by 50% at maximum working temperature

**Recommended Couplings:** Cam and groove, combination nipple or short shank. Crimplok cam and groove, Crimplok nipple. All coupling recommendations are to be used as guidelines and are derived from past user preference. In some cases the preferred coupling is of a lesser pressure rating than the hose. Never exceed the working pressure of the lowest rated component in the assembly. If you require further assistance with regards to coupling choice, please contact Harco Enterprises customer service at 1-800-361-5361.

## WATER SUCTION AND DISCHARGE HOSE

### WATER SUCTION - PVC

#### SATURN PVC WATER S&D



**APPLICATION:**An economical, flexible hose for construction pumps, septic tank & marine pump-out service. Resistant to some chemicals, mild acids & alkalis. Consult us for recommendations. Specially formulated compounds and a slightly corrugated cover allow for increased flexibility at low temperatures.

**COVER:**Clear abrasion and weather resistant extra soft PVC.

**REINFORCEMENT:**Blue PVC helix. SAT-XXX-BLK - Black helix

**TUBE:**Smooth clear extra soft PVC.

**TEMPERATURE:**-40C to +65C(-40F to +150F)

Item No	Nom. ID"	Nom. OD"	Vacuum	PSI	Bend Radius"	Std Pack	Weight#
SAT-075	3/4	0.95	26	50	2.00	100'	0.17
SAT-100	1	1.22	26	40	2.50	100'	0.18
SAT-100-BLK	1	1.25	26	45	2.50	100'	0.19
SAT-125	1-1/4	1.50	26	40	3.30	100'	0.26
SAT-150	1-1/2	1.77	26	40	4.00	100'	0.32
SAT-200	2	2.35	26	35	5.00	100'	0.49
SAT-250	2-1/2	2.90	24	30	6.30	100'	0.70
SAT-250-50	2-1/2	2.90	24	30	6.30	50'	0.70
SAT-250-BLK	2-1/2	2.90	24	30	6.30	100'	0.70
SAT-300	3	3.42	24	30	7.50	100'	0.81
SAT-400	4	4.50	22	25	10.00	100'	1.52
SAT-600	6	6.58	22	21	15.00	100'	2.72

**Cut Lengths:** Plus 10%

**Standard Length:** 100'

**Safety Info:** Suction and Pressure ratings are based on a temperature of 20C (68F), reduce by 50% at maximum working temperature

**Recommended Couplings:** Cam and groove, combination nipple or short shank. Crimplok cam and groove, Crimplok nipple. All coupling recommendations are to be used as guidelines and are derived from past user preference. In some cases the preferred coupling is of a lesser pressure rating than the hose. Never exceed the working pressure of the lowest rated component in the assembly. If you require further assistance with regards to coupling choice, please contact Harco Enterprises customer service at 1-800-361-5361.

### SATURN PVC WATER S&D ASSEMBLY



Item No	Assembly Description	Weight#
SAT-150-10SASS	38MMX10'SATURN PVC SUCT+ALUM S. SHANKS	4.75
SAT-150-20CKC	1-1/2"X20'SATURN PVC SUCT+PART C+KC	9.51
SAT-150-25CKC	1-1/2"X25'SATURN PVC SUCT+PART C+KC	11.66
SAT-150-8SASS	38MMX8'SATURN PVC SUCT+ALUM S. SHANKS	3.97
SAT-200-10SASS	2" x 10' SATURN PVC SUCT+ALUM S. SHANKS	7.52
SAT-200-20C	2" X 20' SATURN PVC SUCTION + 1 PART C	13.32
SAT-200-20CKC	2"X20'SATURN PVC SUCT+PART C+KC	14.53
SAT-200-25CKC	2"X25'SATURN PVC SUCT+PART C+KC	17.53
SAT-300-15CKC	3"X 15' SATURN PVC SUCT.+ C & KC	19.50
SAT-300-20CKC	3"X20'SATURN PVC SUCT+PART C+KC	24.66
SAT-300-25CASS	3"X25' SATURN PVC SUCT+PART C+E	29.13
SAT-300-25CKC	3"X25'SATURN PVC SUCT+PART C+KC	29.66
SAT-400-20CKC	4"X20'SATURN PVC SUCT+PART C+KC	39.86
SAT-400-25CKC	4"X25'SATURN PVC SUCT+PART C+KC	47.86
SAT-600-20CKC	6"X20'SATURN PVC SUCT+PART C+KC	79.94

## WATER SUCTION AND DISCHARGE HOSE

### WATER SUCTION - PVC

#### SATURN WHITE PVC WATER SUCTION AND DISCHARGE HOSE



**APPLICATION:**An economical, flexible hose for construction pumps, septic tank & marine pump-out service. Resistant to some chemicals, mild acids & alkalis. Consult us for recommendations.

**COVER:**Clear abrasion and weather resistant PVC.

**REINFORCEMENT:**White PVC helix.

**TUBE:**Smooth clear PVC.

**TEMPERATURE:**-20C to +65C(-5F to +150F)

Item No	Nom. ID"	Nom. OD"	Vacuum	PSI	Bend Radius"	Std Pack	Weight#
SATW-075	3/4	0.95	29	90	2.00	100'	0.16
SATW-100	1	1.18	29	85	3.00	100'	0.19
SATW-125	1-1/4	1.47	29	80	3.00	100'	0.29
SATW-150	1-1/2	1.72	29	70	4.00	100'	0.35
SATW-200	2	2.29	29	65	5.00	100'	0.57
SATW-250	2 1/2	2.85	29	60	6.00	100'	0.87
SATW-300	3	3.35	29	55	8.00	100'	1.03
SATW-400	4	4.45	29	50	10.00	100'	1.78
SATW-600	6	6.56	28	40	24.00	100'	3.70
SATW-800	8	8.82	28	25	30.00	25'	6.07

**Cut Lengths:** Plus 10%

**Standard Length:** 100'

**Safety Info:** Suction and Pressure ratings are based on a temperature of 20C (68F), reduce by 50% at maximum working temperature

**Recommended Couplings:** Cam and groove, combination nipple or short shank. Crimplok cam and groove, Crimplok nipple. All coupling recommendations are to be used as guidelines and are derived from past user preference. In some cases the preferred coupling is of a lesser pressure rating than the hose. Never exceed the working pressure of the lowest rated component in the assembly. If you require further assistance with regards to coupling choice, please contact Harco Enterprises customer service at 1-800-361-5361.

#### SATURN WHITE PVC WATER S&D HOSE ASSEMBLY



Item No	Assembly Description	Weight#
SATW-150-20CKC	1-1/2"X20'WHITE HELIX PVC SUCT+PART C+KC	9.53
SATW-200-15CKC	2"X15'WHITE HELIX PVC SUCT+PART C+KC	11.31
SATW-200-20CKC	2"X20'WHITE HELIX PVC SUCT+PART C+KC	14.31
SATW-200-25CKC	2"X25'WHITE HELIX PVC SUCT+PART C+KC	16.78
SATW-300-15CKC	3"X15'WHITE HELIX PVC SUCT+PART C+KC	19.75
SATW-300-20CKC	3"X20'WHITE HELIX PVC SUCT+PART C+KC	24.75
SATW-300-25CKC	3"X25'WHITE HELIX PVC SUCT+PART C+KC	30.41
SATW-400-20CKC	4"X20'WHITE HELIX PVC SUCT+PART C+KC	40.07
SATW-400-25CKC	4"X25'WHITE HELIX PVC SUCT+PART C+KC	52.36
SATW-600-20CKC	6"X20'WHITE HELIX PVC SUCT+PART C+KC	79.94

## WATER SUCTION AND DISCHARGE HOSE

### WATER SUCTION - PVC

#### SPA HOSE



**APPLICATION:** Specially designed for use in the installation of pool, spa and hot tubs. Can also be used in a variety of water transfer applications where flexible lines are needed to replace rigid piping.

**COVER:** Soft white PVC

**REINFORCEMENT:** White PVC helix

**TUBE:** Smooth white PVC

**TEMPERATURE:** -20C to +65C (-5F to +150F)

Item No	Nom. ID"	Nom. OD"	Vacuum	PSI	Bend Radius"	Std Pack	Weight#
SPAP-100	1.04	1.32	28	100	3.00	100'	0.00
SPAP-125	1.37	1.66	28	65	4.00	100'	0.38
SPAP-150	1.63	1.90	28	65	4.00	100'	0.45
SPAP-200	2.07	2.38	28	60	6.00	100'	0.00

**Cut Lengths:** Plus 10%

**Standard Length:** 100'

**Product Info:** Our warranty does not cover damage caused by rodents or any insect. Not for underground use in areas infested by termites.

**Safety Info:** Suction and Pressure ratings are based on a temperature of 20C (68F), reduce by 50% at maximum working temperature

**Recommended Couplings:** SCH40

#### SUPERFLEX PVC SUCTION



**APPLICATION:** Can be used for light oil, grease and animal fat suction. It can also be used in more general applications where great flexibility is required at very low temperatures.

**COVER:** Blue extra soft low temperature PVC

**REINFORCEMENT:** Anti shock rigid pvc helix

**TUBE:** Blue extra soft low temperature PVC

**TEMPERATURE:** -40C to +60C (-40F to +140F)

Item No	Nom. ID"	Nom. OD"	Vacuum	PSI	Bend Radius"	Std Pack	Weight#
SUPER-200	2	2.39	29	70	7.00	100'	0.75
SUPER-300	3	3.43	29	65	10.00	100'	1.21
SUPER-400	4	4.54	29	50	14.00	100'	2.02
SUPER-600	6	6.67	29	35	23.00	100'	3.70

**Cut Lengths:** Plus 10%

**Standard Length:** 100

**Safety Info:** Suction and Pressure ratings are based on a temperature of 20C (68F), reduce by 50% at maximum working temperature

**Recommended Couplings:** Cam and groove or short shank. All coupling recommendations are to be used as guidelines and are derived from past user preference. In some cases the preferred coupling is of a lesser pressure rating than the hose. Never exceed the working pressure of the lowest rated component in the assembly. If you require further assistance with regards to coupling choice, please contact Harco Enterprises customer service at 1-800-361-5361.

#### SUPERFLEX PVC SUCTION ASSEMBLY

Item No	Assembly Description	Weight#
SUPER-200-20CKC	2"X 20' SUPERFLEX S&D PART C+KC	14.57
SUPER-300-20CKC	3"X 20' SUPERFLEX S&D PART C+KC	23.00
SUPER-400-20CKC	4"X 20' SUPERFLEX S&D PART C+KC	36.00

# WATER SUCTION AND DISCHARGE HOSE

## WATER SUCTION - PVC

### SUPERFLEX PVC SUCTION WITH STATIC WIRE



**APPLICATION:** Can be used for light oil, grease and animal fat suction. It can also be used in more general applications where great flexibility is required at very low temperatures.

**COVER:** Blue extra soft low temperature PVC

**REINFORCEMENT:** Anti shock rigid pvc helix

**TUBE:** Blue extra soft low temperature PVC

**TEMPERATURE:** -40C to +60C (-40F to +140F)

Item No	Nom. ID"	Nom. OD"	Vacuum	PSI	Bend Radius"	Std Pack	Weight#
SUPERST-200	2	2.39	29	70	7.00	100'	0.85
SUPERST-300	3	3.43	29	65	10.00	100'	1.30
SUPERST-400	4	4.54	29	50	14.00	100'	2.15
SUPERST-600	6	6.67	29	35	23.00	100'	3.80

**Cut Lengths:** Plus 10%

**Standard Length:** 100

**Safety Info:** Suction and Pressure ratings are based on a temperature of 20C (68F), reduce by 50% at maximum working temperature

**Recommended Couplings:** Cam and groove or short shank. See Superflex without static wire for further information.

### TEXTILE REINFORCED S&D



**APPLICATION:** Good for both suction and discharge applications, this heavy duty hose can be used for rental/construction pumping as well as fish suction hose.

**COVER:** Clear abrasion and weather resistant PVC.

**REINFORCEMENT:** Orange PVC helix with high tensile synthetic textile yarn.

**TUBE:** Smooth clear PVC.

**TEMPERATURE:** -23C to +65C (-10F to +150F)

Item No	Nom. ID"	Nom. OD"	Vacuum	PSI	Bend Radius"	Std Pack	Weight#
RSPVC-200	2	2.59	29	110	4.00	100'	0.65
RSPVC-250	2-1/2	3.01	29	100	5.00	100'	0.75
RSPVC-300	3	3.71	29	100	6.00	100'	1.12
RSPVC-400	4	4.78	29	80	7.00	100'	1.74
RSPVC-500	5	6.05	28	75	9.00	100'	2.95
RSPVC-600	6	7.17	28	70	10.50	100'	3.87
RSPVC-800	8	9.33	28	60	16.00	40'	5.52
RSPVC-1000	10	11.54	28	40	25.00	20'	8.69

**Cut Lengths:** Plus 10%

**Standard Length:** 100'

**Safety Info:** Reduce pressures by 50% at maximum working temperature

**Recommended Couplings:** Cam and groove, combination nipple or short shank. Crimplok cam and groove, Crimplok nipple. All coupling recommendations are to be used as guidelines and are derived from past user preference. In some cases the preferred coupling is of a lesser pressure rating than the hose. Never exceed the working pressure of the lowest rated component in the assembly. If you require further assistance with regards to coupling choice, please contact Harco Enterprises customer service at 1-800-361-5361.



## WATER SUCTION AND DISCHARGE HOSE

### WATER SUCTION - PVC

#### TEXTILE REINFORCED S&D ASSEMBLY



Item No	Assembly Description	Weight#
RSPVC-200-20CKC	2"X20' TEXTILE REINF ORANGE SUCTION+PART C+KC	15.77
RSPVC-200-25CKC	2"X25' TEXTILE REINF ORANGE SUCTION+PART C+KC	19.02
RSPVC-200-20CASS	2"X20' TEXTILE REINF ORANGE SUCTION+PART C+E	15.47
RSPVC-300-20CKC	3"X20' TEXTILE REINF ORANGE SUCTION+PART C+KC	28.23
RSPVC-300-25CKC	3"X25' TEXTILE REINF ORANGE SUCTION+PART C+KC	33.83
RSPVC-300-25CASS	3"X25' TEXTILE REINF ORANGE SUCTION+PART C+E	33.30
RSPVC-400-20CKC	4"X20' TEXTILE REINF ORANGE SUCTION+PART C+KC	44.05
RSPVC-400-25CKC	4"X25' TEXTILE REINF ORANGE SUCTION+PART C+KC	52.75
RSPVC-400-20CASS	4"X20' TEXTILE REINF ORANGE SUCTION+PART C+E	42.68
RSPVC-400-25CASS	4"X25' TEXTILE REINF ORANGE SUCTION+PART C+E	51.38
RSPVC-600-20CKC	6"X20' TEXTILE REINF ORANGE SUCTION+PART C+KC	104.10
RSPVC-600-25CKC	6"X25' TEXTILE REINF ORANGE SUCTION+PART C+KC	123.45
RSPVC-600-20VASS	6"X20' TEXTILE REINF ORANGE SUCTION+ VICTAULICS	109.96
RSPVC-600-25CASS	6"X25' TEXTILE REINF ORANGE SUCTION+PART C+E	115.76
RSPVC-800-20CKC	8"X20' TEXTILE REINF ORANGE SUCTION+PART C+KC	156.18
RSPVC-800-25CKC	8"X25' TEXTILE REINF ORANGE SUCTION+PART C+KC	183.78
RSPVC-800-20CASS	8"X20' TEXTILE REINF ORANGE SUCTION+PART C+E	137.12
RSPVC-800-20VASS	8"X20' TEXTILE REINF ORANGE SUCTION+ VICTAULICS	169.36
RSPVC-1000-20CASS	10"X20' TEXTILE REINF ORANGE SUCTION+PART C+E	222.08
RSPVC-1000-20VASS	10"X20' TEXTILE REINF ORANGE SUCTION+ VICTAULICS	258.28
RSPVC-1000-25CFL	10"X25' TEXTILE REINF ORANGE SUCT+KC+FLANGE	373.73

### WATER SUCTION - RUBBER

#### EPDM WATER SUCTION



**APPLICATION:** For use in liquid waste suction application. Also for use with liquid or dry chemical suction applications or general industrial use where high working pressures are not required.

**COVER:** Green Polyethylene helix and specially formulated rubber.

**REINFORCEMENT:** Rigid green Polyethylene helix.

**TUBE:** Smooth specially formulated rubber

**TEMPERATURE:** -40C to +60C (-40F to +140F)

Item No	Nom. ID"	Nom. OD"	Vacuum	PSI	Bend Radius"	Std Pack	Weight#
EPDM-100	1	1.34	29	50	1.90	100'	0.23
EPDM-125	1-1/4	1.65	29	50	3.50	100'	0.30
EPDM-150	1-1/2	1.85	29	50	3.50	100'	0.40
EPDM-200	2	2.44	29	50	5.50	100'	0.67
EPDM-200-BLK	2	2.44	29	50	5.50	100'	0.67
EPDM-250	2-1/2	3.00	29	50	6.50	100'	0.94
EPDM-300	3	3.52	29	42	7.50	100'	1.10
EPDM-300-BLK	3	3.52	29	42	7.50	100'	1.10
EPDM-400	4	4.61	29	38	12.00	100'	1.84
EPDM-600	6	6.82	29	22	20.00	100'	3.08

**Cut Lengths:** Plus 10%

**Standard Length:** 100'

**Recommended Couplings:** Cam and groove or short shank, Crimplok cam and groove, Crimplok combination nipple. All coupling recommendations are to be used as guidelines and are derived from past user preference. In some cases the preferred coupling is of a lesser pressure rating than the hose. Never exceed the working pressure of the lowest rated component in the assembly. If you require further assistance with regards to coupling choice, please contact Harco Enterprises customer service at 1-800-361-5361.

# WATER SUCTION AND DISCHARGE HOSE

## WATER SUCTION - RUBBER

### EPDM WATER SUCTION ASSEMBLY



Item No	Assembly Description	Weight#
EPDM-100-20CKC	1"X 20' EPDM WATER SUCTION+PART C+KC	5.84
EPDM-150-20CKC	1-1/2"X 20'EPDM WATER SUCTION+PART C+KC	11.54
EPDM-150-25CKC	1-1/2"X25' EPDM WATER SUCTION+PART C+KC	11.94
EPDM-200-20CASS	2"X20' EPDM WATER SUCTION+ ALUM PART C&E	15.66
EPDM-200-20CKC	2"X 20'EPDM WATER SUCTION+PART C+KC	16.77
EPDM-200-25CKC	2"X25' EPDM WATER SUCTION+PART C+KC	19.32
EPDM-200-25VASS	2" X 25' EPDM WATER SUCT C/W VICT. ENDS	19.19
EPDM-200-VASS	2" X 20' EPDM WTR SUCT C/W VICT. ENDS	17.10
EPDM-300-20CKC	3"X 20'EPDM WATER SUCTION+PART C+KC	28.68
EPDM-300-25CKC	3"X25' EPDM WATER SUCTION+PART C+KC	32.22
EPDM-400-20CASS	4"X20' EPDM WATER SUCTION+ ALUM PART C&E	43.74
EPDM-400-20CKC	4"X 20'EPDM WATER SUCTION+PART C+KC	44.52
EPDM-400-25CKC	4"X25' EPDM WATER SUCTION+PART C+KC	54.31
EPDM-600-20CASS	6"X20' EPDM WATER SUCTION+ ALUM PART C&E	77.65
EPDM-600-20CKC	6"X 20'EPDM WATER SUCTION+PART C+KC	96.56

### RUBBER WATER S&D



**APPLICATION:**A heavy duty wire reinforced rubber suction hose for construction, quarries and general use.

**COVER:**Black smooth abrasion and weather resistant synthetic rubber.

**REINFORCEMENT:**High tensile wire helix embedded between layers of textile cords.

**TUBE:**Smooth black synthetic rubber.

**TEMPERATURE:**-30C to +80C(-22F to +180F)

Item No	Nom. ID"	Nom. OD"	Vacuum	PSI	Bend Radius"	Std Pack	Weight#
WSB-075	3/4	1.14	29	200	2.00	100'	0.60
WSB-100	1	1.42	29	150	3.00	100'	0.68
WSB-125	1-1/4	1.65	29	150	4.00	100'	0.77
WSB-150	1-1/2	1.93	29	150	4.00	100'	1.00
WSB-200	2	2.48	29	150	5.00	100'	1.37
WSB-250	2-1/2	2.99	29	150	8.00	100'	1.75
WSB-300	3	3.50	29	150	10.00	100'	2.23
WSB-400	4	4.64	29	150	14.00	100'	3.73
WSB-500	5	5.67	29	150	20.00	100'	3.90
WSB-600	6	6.66	29	150	30.00	100'	5.99
WSB-800	8	8.90	29	150	65.00	60'	8.83
WSB-1000	10	10.90	29	50	80.00	40'	12.00
WSB-1200	12	12.99	29	50	100.00	20'	18.57

**Cut Lengths:** Plus 10%

**Standard Length:** 3/4" to 4" - 50'/100' -- 5" and 6" - 20'/100' -- 8" - 20'/60' -- 10" - 40' -- 12" - 20'

**Recommended Couplings:** Cam and groove, combination nipple or short shank. Crimplok cam and groove, Crimplok nipple. Cam and groove, combination nipple. Crimplok cam and groove, Crimplok combination nipple. All coupling recommendations are to be used as guidelines and are derived from past user preference. In some cases the preferred coupling is of a lesser pressure rating than the hose. Never exceed the working pressure of the lowest rated component in the assembly. If you require further assistance with regards to coupling choice, please contact Harco Enterprises customer service at 1-800-361-5361.

# WATER SUCTION AND DISCHARGE HOSE

## WATER SUCTION - RUBBER

### RUBBER WATER S&D ASSEMBLY



Item No	Assembly Description	Weight#
WSB-125-25CKC	1-1/4"X25' RUBBER WATER SUCT+PART C+KC	20.88
WSB-150-20CKC	1-1/2"X20'RUBBER WATER SUCT+PART C+KC	21.94
WSB-150-20SASS	1-1/2"X20' RUBBER WATER SUCT+ M/F SHORT SHANK	15.23
WSB-200-10SASS	2"X10' RUBBER WATER SUCT+ M/F SHORT SHANK	15.23
WSB-200-20CKC	2"X20'RUBBER WATER SUCT+PART C+KC	31.57
WSB-200-25CKC	2" X 25' RUBBER WATER SUCT + C&KC	34.50
WSB-200-20SKC	2"X20'RUBBER WATER SUCT+S/SHANK+KC	31.17
WSB-200-20CASS	2"X20' RUBBER WATER SUCTION+ PART C+E	29.55
WSB-200-25CASS	2"X25' RUBBER WATER SUCTION+ PART C+E	36.37
WSB-200-25KCFV	2"X25'RUBBER WATER S&D KC X KC & FV	43.45
WSB-300-20CKC	3"X20'RUBBER WATER SUCT+PART C+KC	49.26
WSB-300-25CKC	3" X 25' RUBBER WATER SUCT+ C&KC	55.00
WSB-300-20CASS	3"X20' RUBBER WATER SUCTION+ PART C+E	48.85
WSB-300-25CASS	3"X25' RUBBER WATER SUCTION+ PART C+E	60.02
WSB-400-20CKC	4"X20'RUBBER WATER SUCT+PART C+KC	82.33
WSB-400-25CKC	4"X25' RUBBER WATER SUCT+PART C+KC	100.88
WSB-400-20CASS	4"X20' RUBBER WATER SUCTION+ PART C+E	80.92
WSB-400-25CASS	4"X25' RUBBER WATER SUCTION+ PART C+E	99.51
WSB-600-10CASS	6"X10'RUBBER WATER SUCT+PART C+E	61.65
WSB-600-15CASS	6"X15' RUBBER WATER SUCT PART C+E	87.15
WSB-600-20CASS	6"X20' RUBBER WATER SUCT PART C+E	130.51
WSB-600-25CASS	6"X25' RUBBER WATER SUCT PART C+E	160.47
WSB-600-20CASSCR	6"X20' RUBBER WATER SUCTION PART C+E CRIMPED	138.950
WSB-600-20CKC	6"X20'RUBBER WATER SUCT+PART C+KC	120.34
WSB-600-25CKC	6"X25'RUBBER WATER SUCT+PART C+KC	145.84
WSB-800-10VASS	8"X10' RUBBER WATER SUCTION+ VICTAULIC ENDS	151.76
WSB-800-20CKC	8"X20' RUBBER WATER SUCT+PART C+KC	226.88
WSB-800-25CKC	8"X25' RUBBER WATER SUCT+PART C+KC	271.03
WSB-800-20VASS	8"X20' RUBBER WATER SUCTION+ VICTAULIC ENDS	240.06
WSB-1000-20VASS	10"X20' RUBBER WATER SUCTION+ VICTAULIC ENDS	336.32

# WELDING HOSE

## WELDING

### SINGLE LINE WELDING TYPE S GRADE R



**APPLICATION:**Welding gas service. Hose meets R.M.A.- Compressed Gas Association Type S Grade R specifications.

**COVER:**Ribbed heat and abrasion resistant synthetic rubber. Green for oxygen, Red for acetylene.

**REINFORCEMENT:**Multiple layers of high tensile synthetic yarns.

**TUBE:**Smooth black synthetic rubber.

**TEMPERATURE:**-40C to +95C(-40F to +200F)

Item No	Nom. ID"	Nom. OD"	PSI	Std Pack	Weight#
SW-019-G	3/16	0.44	200	700'	0.14
SW-019-R	3/16	0.44	200	700'	0.14
SW-025-G	1/4	0.53	200	700'	0.19
SW-025-R	1/4	0.53	200	700'	0.19
SW-038-G	3/8	0.65	200	700'	0.28
SW-038-R	3/8	0.65	200	700'	0.28

**Cut Lengths:** Plus 5%

**Standard Length:** 50'/700' reels

**Product Info:** Grade T Welding Hose Also Available. Call Us For Pricing

**Recommended Couplings:** Welding stem and nut all above items

### SINGLE LINE WELDING TYPE S GRADE RM



**APPLICATION:**Welding gas service. Hose meets R.M.A.- Compressed Gas Association Type S Grade RM specifications.

**COVER:**Ribbed heat and abrasion resistant synthetic rubber. Green for oxygen, Red for acetylene.

**REINFORCEMENT:**Multiple layers of high tensile synthetic yarns.

**TUBE:**Smooth black synthetic rubber.

**TEMPERATURE:**-40C to +95C(-40F to +200F)

Item No	Nom. ID"	Nom. OD"	PSI	Std Pack	Weight#
SWRM-038-R	3/8	0.65	200	700'	0.28

**Cut Lengths:** Plus 5%

**Standard Length:** 50'/700' reels

**Product Info:** Grade T Welding Hose Also Available. Call Us For Pricing

**Recommended Couplings:** Welding stem and nut all above items

### TWIN WELDING TYPE VD GRADE R



**APPLICATION:**Welding gas service. Hose meets R.M.A.- Compressed Gas Association Type VD Grade R specification. Two lines are bonded together. Ends may be separated without tearing cover.

**COVER:**Smooth heat and abrasion resistant synthetic rubber. Green for oxygen, Red for acetylene.

**REINFORCEMENT:**Multiple layers of high tensile synthetic yarns.

**TUBE:**Smooth black synthetic rubber.

**TEMPERATURE:**-40C to +95C(-40F to +200F)

Item No	Nom. ID"	Nom. OD"	PSI	Std Pack	Weight#
TW-019	3/16	0.44	200	700'	0.14
TW-025	1/4	0.53	200	700'	0.19
TW-031	5/16	0.59	200	700'	0.21
TW-038	3/8	0.65	200	700'	0.28

**Cut Lengths:** Plus 5%

**Standard Length:** 50'/700' reels

**Product Info:** Grade T Welding Hose Also Available. Call Us For Pricing

**Recommended Couplings:** Welding stem and nut all above items

# WELDING HOSE

## WELDING

### TWIN WELDING TYPE VD GRADE R ASSEMBLY

Item No	Assembly Description	Weight#
TW-025-100ASS	1/4"X 100' TWINWELD ASSY GRADE R	19.44
TW-025-25ASS	1/4"X 25' TWINWELD ASSY GRADE R	5.00
TW-025-50ASS	1/4"X 50' TWINWELD ASSY GRADE R	9.94

### TWIN WELDING TYPE VD GRADE RM



**APPLICATION:**Welding gas service. Hose meets R.M.A.- Compressed Gas Association Type VD Grade RM specification. Two lines are bonded together. Ends may be separated without tearing cover.

**COVER:**Smooth heat and abrasion resistant synthetic rubber. Green for oxygen, Red for acetylene.

**REINFORCEMENT:**Multiple layers of high tensile synthetic yarns.

**TUBE:**Smooth black synthetic rubber.

**TEMPERATURE:**-40C to +95C(-40F to +200F)

Item No	Nom. ID"	Nom. OD"	PSI	Std Pack	Weight#
TWRM-019	3/16	0.44	200	700'	0.14
TWRM-025	1/4	0.53	200	700'	0.19
TWRM-031	5/16	0.59	200	700'	0.21

**Cut Lengths:** Plus 5%

**Standard Length:** 50'/700' reels

**Product Info:** Grade T Welding Hose Also Available. Call Us For Pricing

**Recommended Couplings:** Welding stem and nut all above items

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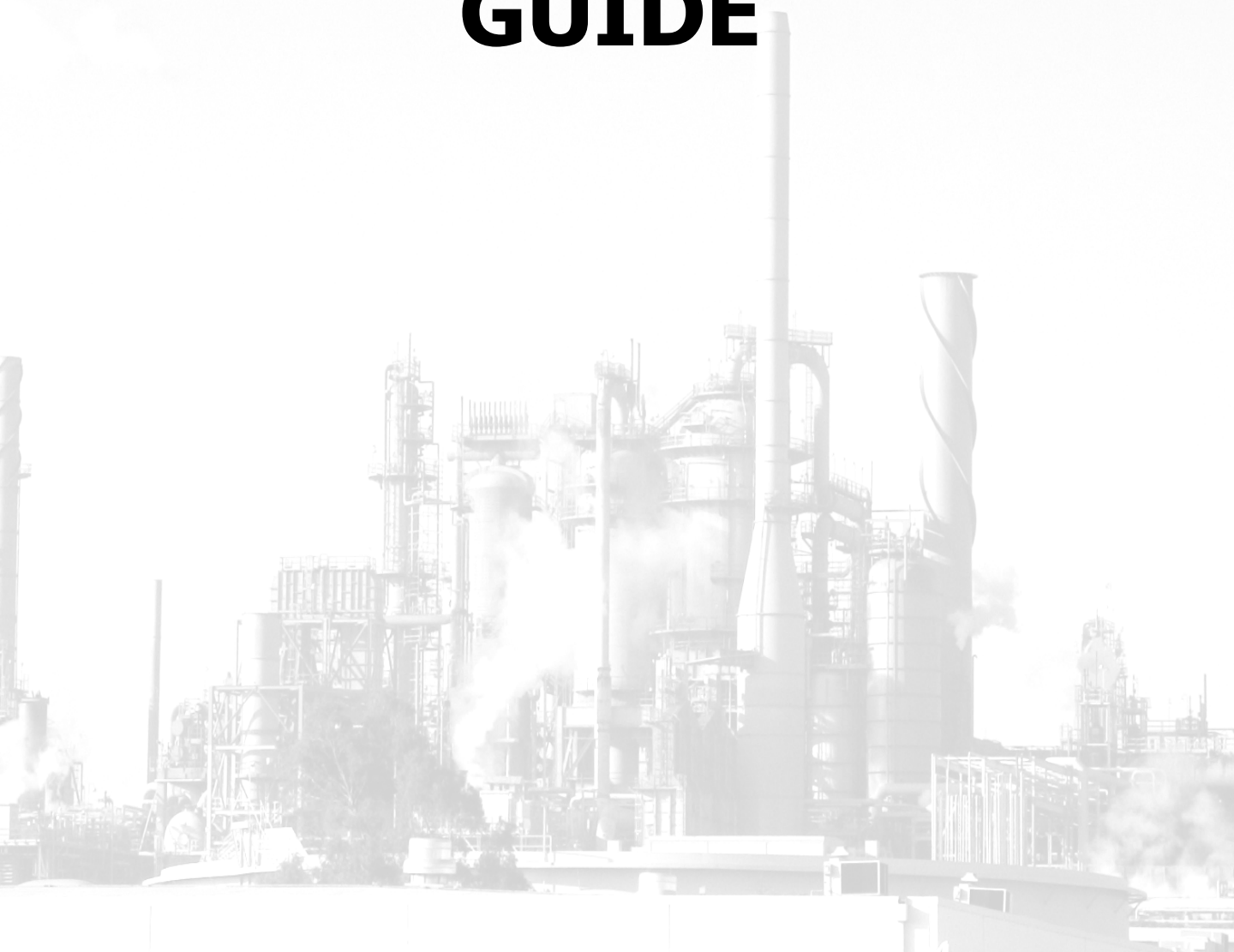
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# **CHEMICAL RESISTANCE GUIDE**





# RUBBER CHEMICAL RESISTANCE GUIDE

Chemical	HOSE TEMPERATURE (F)	HOSE AND SHEET RUBBER										THERMOPLASTIC HOSE			COUPLINGS						GASKETS			
		UHMWPE	SBR	BUTYL	HYPALON	NATURAL	VITON	NITRILE	EPDM	XLPE	TPU	PVC	TPR	304SS	316SS	ALUMINUM	BRASS	NYLON	POLYPROPYLENE	TEFLON	SILICONE	VITON	BUNA	EPDM
Acetaldehyde	100	B	X	B	X	X	X	A	A	X	X	X	A	A	B	X	A	A	T	S				E
Acetic Acid, Conc.	100	A	I	A	X	B	X	A	A	X	B	I	A	A	B	X	I	I	T					E
Acetic Acid, Dilute 10	150	B	I	A	X	X	X	A	A	B	A	I	A	A	B	X	I	I	T		V			E
Acetic Acid, Glacial	100	A	X	B	X	X	X	A	A	X	B	X	A	A	B	X	X	A	T	S				E
Acetic Aldehyde	100	A	I	B	X	X	X	A	A	I	X	X	A	A	B	X	I	I	T					E
Acetic Anhydride	100	B	X	A	B	X	X	A	A	X	X	X	A	A	B	X	X	A	T	S				E
Acetic Ester	100	B	I	B	X	X	X	A	A	X	X	B	A	A	A	A	I	I	T		V			E
Acetic Ether	100	B	I	A	B	X	X	A	A	X	X	I	A	A	B	X	I	I	T					E
Acetic Oxide	100	B	I	A	B	X	X	A	A	X	X	I	A	A	B	X	I	I	T					E
Acetone	100	B	I	A	X	X	X	A	A	X	X	I	A	A	B	X	I	I	T					E
Acetone Cyanohydrin	100	B	I	A	X	X	X	A	A	X	X	I	A	A	B	X	I	I	T					E
Acetyl Acetone	100	B	X	B	X	X	X	I	A	X	X	I	A	A	B	X	I	I	T		S			E
Acetyl Chloride	100	B	X	X	X	X	X	B	B	X	I	X	B	B	X	A	I	I	T		V			E
Acetyl Oxide	100	B	I	A	B	X	X	A	A	I	I	I	A	A	B	X	I	I	T					E
Acetylene (dry)	100	B	I	A	A	A	A	A	A	I	I	I	A	A	B	X	I	I	T		S			E
Acetylene Dichloride	100	B	I	X	X	X	X	I	A	I	X	X	I	A	A	X	I	I	T		V			E
Acetylene Tetrachloride	100	B	I	X	X	X	X	I	A	I	X	X	I	A	A	X	I	I	T		V			E
Acrolein	100	B	I	A	B	B	B	A	B	I	A	I	A	A	B	X	I	I	T		V			E
Acrylic Acid	100	B	I	X	X	X	X	X	X	I	I	I	A	A	B	X	I	I	T		V			E
Acrylonitrile	100	B	X	X	X	X	X	X	B	A	A	I	A	A	X	I	I	I	T					E
Alk-Tri	100	B	I	X	X	X	X	I	A	I	X	X	I	A	A	B	X	I	T					E
Allyl Alcohol	100	B	X	X	X	X	X	A	A	X	X	X	I	A	A	B	X	I	T					E
Allyl Bromide	100	B	X	X	X	X	X	I	B	X	X	I	A	A	B	X	I	I	T					E
Allyl Chloride	100	B	X	X	X	X	X	X	B	X	X	I	A	A	B	X	I	I	T		S			E
Alum	150	A	I	A	A	A	A	A	A	A	A	B	I	A	A	X	I	I	T		S			E
Aluminum Acetate	100	A	B	A	A	A	X	A	A	I	I	I	A	A	B	X	I	I	T		S			E
Aluminum Chloride	150	A	A	A	A	A	A	A	A	A	A	B	I	A	A	X	I	I	T					E
Aluminum Formate	100	A	I	B	X	X	X	I	A	I	I	I	A	A	B	X	I	I	T					E
Aluminum Hydroxide	150	A	A	A	B	X	X	B	A	A	I	I	A	A	B	X	I	I	T		S			E
Aluminum Sulfate	150	A	A	A	A	A	A	A	A	A	A	B	I	A	A	X	I	I	T		S			E
Aminoethanol	100	A	I	A	B	I	B	I	A	I	I	I	A	A	B	X	I	I	T					E
Aminoethylthiolamine	100	A	I	A	B	I	B	I	A	I	I	I	A	A	B	X	I	I	T					E
Ammonia Cupric Sulfate	150	A	I	A	A	A	A	A	A	I	X	I	I	A	A	X	I	I	T					E
Ammonium Chloride	150	A	A	A	A	A	A	A	A	A	A	B	A	A	X	X	A	A	T					E
Ammonium Hydroxide	150	A	A	A	B	A	X	X	A	B	B	B	A	A	X	X	I	A	T		S			E
Ammonium Nitrate (ANFO)	N/R																							↑
Ammonium Phosphate	150	A	A	A	A	A	A	A	A	I	I	B	I	A	X	X	A	A	T		S			E
Ammonium Sulfate	150	A	A	A	A	A	X	A	A	A	A	B	X	A	X	X	A	A	T		S			E
Ammonium Sulfide	150	A	A	A	A	A	A	A	A	A	A	I	A	A	X	X	I	I	T					E
Ammonium Sulfite	150	A	A	A	A	A	A	A	A	A	A	I	A	A	X	X	I	I	T					E
Ammonium Thiosulfate	100	A	A	A	A	A	A	A	A	A	A	I	A	A	B	X	I	I	T					E
Amyl Acetate	100	A	X	A	B	X	X	A	B	A	X	X	I	A	A	I	I	I	T					E
Amyl Alcohol	100	A	A	A	A	A	A	A	A	B	B	X	A	A	I	A	A	A	T		S			E
Amyl Alcohol	100	A	A	A	A	A	A	A	A	B	B	X	A	A	I	A	A	A	T		S			E

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			UHMWPE	SBR	BUTYL	HYPALON	NATURAL	VITON	NITRILE	EPDM	XLPE	TPU	PVC	TPR	304SS	316SS	ALUMINUM	BRASS	NYLON	POLYPROPYLENE	TEFLON	SILICONE	VITON	BUNA	EPDM	
Amyl Chloride	100	70	A	X	X	X	X	X	X	X	A	X	A	X	A	X	A	X	A	X	A	X	A	X	A	X
Amyl Oleate	100	70	A	X	X	X	X	X	X	X	I	B	I	A	I	I	I	I	I	I	I	I	I	I	I	I
Amyl Phenol	100	70	A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Amyl Phthalate	100	70	A	I	A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Amylamine	100	70	A	A	B	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Anethole	100	70	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Anhydrous Ammonia		N/R																								
Aniline	100	70	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Animal Grease	100	70	A	X	X	X	X	X	X	X	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Animal Oils	100	70	A	X	B	X	X	X	X	X	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Antimony Pentachloride	100	70	A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Aqua Ammonia	150	70	A	I	A	B	A	B	A	I	B	A	I	A	I	A	I	A	I	A	I	A	I	A	I	A
Aromatic Spirits	100	70	A	I	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Aromatic Tar	100	70	A	I	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Arquads	100	70	A	I	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Arsenic Acid	100	70	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Arsenic Chloride	100	70	I	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Arsenic Trichloride	100	70	I	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Asphalt	500	70	CALL																							
ASTM #1 Oil	100	70	A	X	X	B	X	X	X	X	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
ASTM #2 Oil	100	70	A	X	X	X	X	X	X	X	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
ASTM #3 Oil	100	70	A	X	X	X	X	X	X	X	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Barium Carbonate	150	70	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Barium Chloride	150	70	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Barium Hydroxide	150	70	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Barium Sulfate	150	70	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Barium Sulfide	150	70	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Benzal Chloride	100	70	A	I	B	I	I	X	I	A	I	X	I	A	I	B	X	I	A	I	B	X	I	A	I	B
Benzaldehyde	100	70	A	X	B	X	X	X	X	A	X	X	X	A	X	B	X	A	X	X	A	X	X	X	X	X
Benzene (Benzol)	100	70	A	X	X	X	X	X	X	A	X	X	X	A	X	A	A	A	A	A	A	A	A	A	A	A
Benzine (Ligroin)	100	70	A	I	X	X	X	X	X	A	X	X	X	A	X	A	A	A	A	A	A	A	A	A	A	A
Benzine Solvent (Ligroin)	100	70	A	X	X	X	X	X	X	A	X	X	X	A	X	A	A	A	A	A	A	A	A	A	A	A
Benzoic Acid	100	70	A	X	B	X	X	X	X	A	B	A	A	B	A	A	B	X	A	B	A	B	X	A	B	A
Benzoic Aldehyde	100	70	A	X	B	X	X	X	X	A	X	X	X	A	X	B	A	A	A	A	A	A	A	A	A	A
Benzotrithloride	100	70	X	X	I	I	I	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Benzoyl Chloride	100	70	X	X	I	I	I	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Benzoyl Acetate	100	70	A	X	A	B	X	X	X	A	I	A	I	A	I	B	I	I	I	I	B	I	I	I	I	I
Benzyl Alcohol	100	70	A	A	A	X	X	X	X	A	X	X	X	A	A	A	A	A	A	A	A	A	A	A	A	A
Benzyl Chloride	100	70	A	X	X	X	X	X	X	A	X	X	X	A	X	A	A	A	A	A	A	A	A	A	A	A
Benzyl Chloride	100	70	A	X	X	X	X	X	X	A	X	X	X	A	X	A	A	A	A	A	A	A	A	A	A	A
Bichromate of Soda	150	70	A	X	X	X	X	X	X	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I
Black Sulfate Liquor	150	70	A	A	X	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B
Black Sulfate Liquor	275	70	X	A	X	X	X	X	X	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Bleach	100	70	X	I	B	X	X	X	X	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A

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<b>RATING DEFINITION</b> A = CONTINUOUS SERVICE B = FOR INTERMITTENT USE I = INSUFFICIENT DATA X = DO NOT USE																										
Brine	150	70	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Bromine	100	70	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Bromo Benzene	100	70	B	I	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Bromo Toluene	100	70	X	I	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Bromochloromethane	100	70	X	I	B	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Bunker C	100	70	B	I	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Bunker Oil	100	70	B	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Butanol	100	70	A	I	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Butyl (Normal) Alcohol	100	70	A	I	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Butyl (Secondary) Alcohol	100	70	A	I	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Butyl Acetate	100	70	A	X	A	B	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Butyl Acetoacetate	100	70	A	I	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Butyl Acrylate	100	70	B	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Butyl Alcohol	100	70	A	I	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Butyl Aldehyde	100	70	A	I	B	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Butyl Amine	100	70	A	I	B	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Butyl Benzene	100	70	A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Butyl Benzl Phthalate	100	70	A	I	A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Butyl Bromide	100	70	B	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Butyl Butyrate	100	70	B	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Butyl Carbitol	100	70	A	X	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Butyl Cellulosolve	100	70	A	X	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Butyl Chloride	100	70	B	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Butyl Ether	100	70	A	X	X	B	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Butyl Ethyl Acetaldehyde	100	70	A	X	B	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Butyl Ethyl Ether	100	70	A	X	X	B	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Butyl Phthalate	100	70	A	X	A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Butyl Stearate	100	70	A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Butyrate	100	70	A	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I
Butyraldehyde	100	70	A	X	B	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Butyric Acid	100	70	A	X	X	B	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Butyric Anhydride	100	70	A	X	X	B	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Cadmium Acetate	100	70	A	I	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Calcium Acetate	100	70	A	X	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Calcium Aluminate	100	70	A	I	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Calcium Bichromate	150	70	X	I	A	X	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I
Calcium Bisulfate	150	70	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Calcium Bisulfite	150	70	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Calcium Carbonate	150	70	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Calcium Chloride	150	70	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Calcium Hydroxide (Caustic Lime)	100	70	A	I	A	B	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Calcium Hypochlorite	100	70	B	X	B	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Calcium Nitrate	150	70	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Calcium Silicate	150	70	A	I	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A

**RUBBER CHEMICAL RESISTANCE GUIDE**

Chemical	HOSE TEMPERATURE (F)	PVC TEMPERATURE (F)	HOSE AND SHEET RUBBER										THERMOPLASTIC HOSE			COUPLINGS						GASKETS			
			UHMWPE	SBR	BUTYL	HYPALON	NATURAL	VITON	NITRILE	EPDM	XLPE	TPU	PVC	TPR	304SS	316SS	ALUMINUM	BRASS	NYLON	POLYPROPYLENE	TEFLON	SILICONE	VITON	BUNA	EPDM
Calcium Sulfate	150	70	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	T	S	V	B	E	
Calcium Sulfhydrate	100	70	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	I	T		V	B	E	
Calcium Sulfide	150	70	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	I	T		V	B	E	
Calcium Sulfite	150	70	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	I	T	S	V	B	E	
Caprylic Acid	100	70	A	A	X	B	X	X	X	X	X	X	X	X	X	X	X	X	I	T					
Carbitol	100	70	A	X	A	A	X	X	X	X	X	X	X	X	X	X	X	X	I	T					
Carbitol Acetate	100	70	A	X	B	B	X	X	X	X	X	X	X	X	X	X	X	X	I	T					
Carbolic Acid, Phenol	100	70	A	A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	I	T		V			
Carbon Dioxide	100	70	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	I	T	S	V	B	E	
Carbon Disulfide			N/R																						
Carbon Tetrachloride	100	70	B	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	I	T					
Carbolic Acid	100	70	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	I	T		V			
Casinghead Gasoline	100	70	B	I	X	X	X	X	X	X	X	X	X	X	X	X	X	X	I	T		V	B	E	
Castor Oil (Castor Oil)	100	70	A	A	A	A	X	X	X	X	X	X	X	X	X	X	X	X	I	T		V	B	E	
Cauatic Potash	150	70	A	A	A	B	A	A	A	A	A	A	A	A	A	A	A	A	I	T					
Cauatic Soda	150	70	A	A	A	B	A	A	A	A	A	A	A	A	A	A	A	A	I	T					
Cellose	100	70	A	A	A	X	X	X	X	X	X	X	X	X	X	X	X	X	I	T					
Cellosolve	100	70	A	A	A	A	X	X	X	X	X	X	X	X	X	X	X	X	I	T					
Chloroacetic Acid	100	70	A	A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	I	T					
Chloroacetic Acid	100	70	A	A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	I	T					
Chlorinated Solvents	100	70	B	I	X	X	X	X	X	X	X	X	X	X	X	X	X	X	I	T		V			
Chlorine (Dry) (Gas)																									
Chlorine (Wet)	100	70	B	I	X	X	X	X	X	X	X	X	X	X	X	X	X	X	I	T		V			
Chloroacetone	100	70	A	X	I	X	X	X	X	X	X	X	X	X	X	X	X	X	I	T					
Chlorobenzene	100	70	B	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	I	T		V			
Chlorobenzol	100	70	A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	I	T		V			
Chlorobutane	100	70	A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	I	T		V			
Chloroethylbenzene	100	70	A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	I	T		V			
Chloroform	100	70	B	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	I	T		V			
Chloropentane	100	70	A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	I	T		V			
Chlorophenol	100	70	A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	I	T		V			
Chloropropanone	100	70	A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	I	T		V			
Chlorosulfonic Acid	100	70	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	I	T		V			
Chlorothene	100	70	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	I	T		V			
Chlorotoluene	100	70	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	I	T		V			
Chloropyrifos	100	70	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	T		V			
Chromic Acid 25%	100	70	B	I	X	B	X	X	X	X	X	X	X	X	X	X	X	X	I	T		V			
Coal Oil	100	70	A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	I	T		V	B		
Coal Tar	100	70	A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	I	T	S	V			
Coal Tar Naptha	100	70	A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	I	T		V			
Copper Chloride	100	70	A	A	A	A	X	X	X	X	X	X	X	X	X	X	X	X	I	T	S	V	B	E	
Copper Hydrate	100	70	A	A	A	B	X	X	X	X	X	X	X	X	X	X	X	X	I	T					
Copper Hydroxide	100	70	A	A	A	B	X	X	X	X	X	X	X	X	X	X	X	X	I	T					
Copper Nitrate	100	70	A	A	A	A	X	X	X	X	X	X	X	X	X	X	X	X	I	T	S	V	B	E	

**RATING DEFINITION**  
 A = CONTINUOUS SERVICE  
 B = FOR INTERMITTENT USE  
 I = INSUFFICIENT DATA  
 X = DO NOT USE

# RUBBER CHEMICAL RESISTANCE GUIDE

Chemical	HOSE TEMPERATURE (F)	HOSE AND SHEET RUBBER										THERMOPLASTIC HOSE			COUPLINGS						GASKETS			
		UHMWPE	SBR	BUTYL	HYPALON	NATURAL	VITON	NITRILE	EPDM	XLPE	TPU	PVC	TPR	304SS	316SS	ALUMINUM	BRASS	NYLON	POLYPROPYLENE	TEFLON	SILICONE	VITON	BUNA	EPDM
Copper Nitrite	100 70	A	A	A	A	X	A	A	A	A	A	A	A	A	I	I	I	I	T		V	B	E	
Copper Sulfate	100 70	A	A	A	A	X	A	A	A	A	A	A	A	A	I	X	A	A	T	S	V	B	E	
Copper Sulfide	100 70	A	A	A	A	X	A	A	A	A	A	A	A	A	I	I	I	I	T		V	B	E	
Creosols	100 70	A	A	A	X	X	A	X	A	A	A	X	A	A	I	X	I	I	T		V			
Creosote	100 70	A	I	X	X	X	A	B	X	A	X	X	A	A	I	I	I	X	T		V			
Cresylic Acid	100 70	A	X	X	X	X	X	X	X	A	A	X	A	A	I	X	I	I	T		V			
Crotonaldehyde	100 70	A	X	A	X	X	X	I	A	A	I	A	A	A	I	I	I	I	T		V	B		
Crude Oil	100 70	A	X	X	X	X	A	X	A	B	A	A	A	A	I	I	I	I	T		V			
Cumene	100 70	A	X	X	X	X	A	X	A	I	I	A	A	A	I	I	I	I	T		V			
Cupric Carbonate	100 70	A	B	A	A	X	A	A	A	A	A	A	A	A	I	I	I	I	T		V	B	E	
Cupric Chloride	100 70	A	B	A	A	X	A	A	A	A	A	A	A	A	I	B	X	I	T	S	V	B	E	
Cupric Nitrate	100 70	A	B	A	A	X	A	A	A	A	A	A	A	A	I	B	I	I	T		V	B	E	
Cupric Nitrite	100 70	A	B	A	A	X	A	A	A	A	A	A	A	A	I	I	I	I	T		V	B	E	
Cupric Sulfate	100 70	A	B	A	A	X	A	A	A	A	A	A	A	A	I	I	I	I	T	S	V	B	E	
Cyclohexane	100 70	A	X	X	X	X	A	B	X	A	X	A	A	A	I	A	B	X	T		V	B		
Cyclohexanol	100 70	A	X	X	X	X	B	B	X	A	X	X	X	A	I	A	X	I	T		V	B		
Cyclohexanone	100 70	A	X	X	X	X	X	X	X	A	X	X	X	A	I	A	X	I	T		V			
Cyclopentane	100 70	A	X	X	X	X	X	B	X	A	I	A	A	A	I	I	I	I	T		V			
Cyclopentane, methyl	100 70	A	X	X	X	X	X	A	A	A	I	A	A	A	I	I	I	I	T		V			
Cyclopentanol	100 70	A	X	X	X	X	B	B	X	A	I	A	A	A	I	I	I	I	T		V	B		
Cyclopentanone	100 70	A	X	X	X	X	X	X	X	A	I	A	A	A	I	I	I	I	T		V			
D.D.T. in Kerosene	100 70	A	I	X	X	X	A	A	A	A	X	X	A	A	I	I	A	I	T		V	B		
D.M.P.	100 70	X	I	X	X	X	X	X	X	X	I	I	A	A	I	A	I	I	T		V			
Decalin®	100 70	X	I	X	X	X	X	X	X	A	I	I	A	A	I	I	I	I	T		V			
Decanol	100 70	A	A	A	A	X	B	A	A	A	I	B	I	I	I	I	I	I	T		V	B	E	
Decyl Alcohol	100 70	A	A	A	A	X	B	A	A	A	I	A	A	A	I	I	I	I	T		V	B	E	
Decyl Aldehyde	100 70	A	I	X	X	X	X	I	A	A	I	A	A	A	I	I	I	I	T		V			
Decyl Butyl Phthalate	100 70	A	I	A	X	X	X	I	A	X	X	X	I	A	I	I	I	I	T		V			
Denatured Alcohol	100 70	A	I	A	A	X	B	A	A	A	I	A	A	A	I	B	A	I	T		V	B	E	
Diacetone Alcohol	100 70	A	X	A	B	B	X	X	A	A	B	A	A	A	I	A	A	I	T		V			
Diaryl Phenol	100 70	A	I	X	X	X	X	X	X	A	X	X	X	A	I	I	I	I	T		V			
Diamylamine	100 70	A	B	A	X	B	I	B	I	A	I	A	A	A	I	I	I	I	T		V	B		
Diamylene	100 70	A	I	X	X	X	X	X	A	A	I	I	I	A	I	I	I	I	T		V			
Dibenzyl Ether	100 70	A	X	B	X	X	I	X	X	A	I	I	A	A	I	A	A	I	T		V			
Dibromobenzene	100 70	B	X	X	X	X	A	X	A	I	X	I	I	I	I	I	I	I	T		V			
Dibutyl Amine	100 70	A	I	X	X	B	X	B	X	A	I	X	I	I	I	I	I	I	T		V			
Dibutyl Ether	100 70	A	I	X	B	X	X	X	A	I	I	I	A	A	I	A	A	I	T		V			
Dibutyl Phthalate	100 70	A	I	A	X	X	X	X	A	X	X	X	A	A	I	A	A	I	T		V		E	
Dibutyl Sebacate	100 70	A	X	A	X	X	X	X	A	I	X	I	I	I	I	I	I	I	T		V			
Dicalcium Phosphate	100 70	A	A	A	A	A	A	A	A	B	A	I	I	I	I	I	I	I	T	S	V	B	E	
Dicamba	100 70	A	I	I	I	I	I	A	A	I	I	I	I	I	I	I	I	I	T		V			
Dichloroacetic Acid	100 70	A	X	X	X	B	X	I	A	I	I	I	I	I	I	I	I	I	T		V			
Dichlorobenzene	100 70	A	I	X	X	X	A	X	X	A	X	X	A	A	I	A	B	I	T		V			
Dichlorobutane	100 70	A	X	X	X	X	A	X	A	I	X	X	A	A	I	A	I	I	T		V			

# RUBBER CHEMICAL RESISTANCE GUIDE

Chemical	HOSE TEMPERATURE (F)	PVC TEMPERATURE (F)	HOSE AND SHEET RUBBER										THERMOPLASTIC HOSE			COUPLINGS						GASKETS			
			UHMWPE	SBR	BUTYL	HYPALON	NATURAL	VITON	NITRILE	EPDM	XLPE	TPU	PVC	TPR	304SS	316SS	ALUMINUM	BRASS	NYLON	POLYPROPYLENE	TEFLON	SILICONE	VITON	BUNA	EPDM
Dichlorodifluoromethane	100	70	I	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Dichloroethane	100	70	A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Dichloroethyl Ether	100	70	A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Dichloroethylene	100	70	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Dichlorohexane	100	70	A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Dichloromethane	100	70	A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Dichloropentane	100	70	A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Dichloropropane	100	70	A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Diesel Oil	150	70	A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Diethanol Amine	100	70	A	I	A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Diethyl Benzene	100	70	A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Diethyl Carbinol	100	70	A	I	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Diethyl Ketone	100	70	A	I	B	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Diethyl Oxalate	100	70	A	I	B	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Diethyl Phthalate	100	70	A	X	A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Diethyl Sebacate	100	70	A	X	A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Diethyl Sulfate	100	70	A	X	B	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Diethyl Triamine	100	70	A	B	A	A	X	B	I	B	I	B	I	B	I	B	I	B	I	B	I	B	I	B	I
Diethylamine	100	70	A	B	A	A	X	B	I	B	I	B	I	B	I	B	I	B	I	B	I	B	I	B	I
Diethylene Dioxide	100	70	A	X	B	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Diethylene Glycol	100	70	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Diethylene Triamine	100	70	A	I	A	A	X	B	I	B	I	B	I	B	I	B	I	B	I	B	I	B	I	B	I
Dihydroxydiethyl Ether	100	70	A	I	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Dihydroxyethyl Amine	100	70	A	B	A	A	X	B	I	B	I	B	I	B	I	B	I	B	I	B	I	B	I	B	I
Diisobutyl Ketone	100	70	A	X	B	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Diisobutylene	100	70	A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Diisocetyl Adipate	100	70	A	I	A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Diisocetyl Phthalate	100	70	A	I	A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Disocyanate	100	70	X	I	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Disodecyl Adipate	100	70	A	X	A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Disodecyl Phthalate	100	70	A	X	A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Disopropanol Amine	100	70	A	B	A	A	X	B	I	B	I	B	I	B	I	B	I	B	I	B	I	B	I	B	I
Disopropyl Amine	100	70	A	I	A	X	B	I	B	I	B	I	B	I	B	I	B	I	B	I	B	I	B	I	B
Disopropyl Ether	100	70	A	X	X	B	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Disopropyl Ketone	100	70	A	X	B	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Dilauryl Ether	100	70	A	X	I	B	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Dimethyl Amine			N/R																						
Dimethyl Benzene	100	70	A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Dimethyl Carbinol	100	70	A	I	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Dimethyl Ether	100	70	A	I	X	B	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Dimethyl Ketone	100	70	A	I	A	X	B	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Dimethyl Phenol	100	70	A	I	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Dimethyl Phthalate	100	70	A	X	A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Dimethyl Sulfate	100	70	A	X	B	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

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Chemical	HOSE TEMPERATURE (F)	PVC TEMPERATURE (F)	HOSE AND SHEET RUBBER										THERMOPLASTIC HOSE			COUPLINGS						GASKETS					
			UHMWPE	SBR	BUTYL	HYPALON	NATURAL	VITON	NITRILE	EPDM	XLPE	TPU	PVC	TPR	304SS	316SS	ALUMINUM	BRASS	NYLON	POLYPROPYLENE	TEFLON	SILICONE	VITON	BUNA	EPDM		
			N/R																								
Dimethyl Sulfoxide	100	70	A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	↑	
Dinitrobenzene	100	70	A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	↑	
Diocyl Adipate	100	70	A	I	A	X	X	B	A	I	A	I	A	I	A	I	A	I	A	I	A	I	A	I	A	↑	
Diocyl Amine	100	70	A	I	A	X	B	I	A	I	A	I	A	I	A	I	A	I	A	I	A	I	A	I	A	↑	
Diocyl Phthalate	100	70	A	I	B	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	↑	
Diocyl Sebacate	100	70	A	I	A	X	X	B	A	I	A	I	A	I	A	I	A	I	A	I	A	I	A	I	A	↑	
Dioxane	100	70	A	X	B	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	↑	
Dioxolane	100	70	A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	↑	
Diphenyl Phthalate	100	70	A	I	A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	↑	
Dipropyl Ketone	100	70	A	X	B	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	↑	
Dipropylamine	100	70	A	A	A	X	B	I	A	I	A	I	A	I	A	I	A	I	A	I	A	I	A	I	A	↑	
Dipropylene Glycol	100	70	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	↑	
Disodium Phosphate	100	70	A	I	A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	↑	
Divinyl Benzene	100	70	A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	↑	
Dodecyl Benzene	100	70	A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	↑	
Dodecyl Toluene	100	70	A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	↑	
Dow-Per	100	70	A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	↑	
Dowtherm® A	100	70	A	I	I	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	↑	
Dowtherm® E	100	70	A	I	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	↑	
Dowtherm® SR-1	100	70	A	I	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	↑	
Endolene	100	70	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	↑	
Epiclorohydrin			N/R																							↑	
Ethanol	100	70	A	I	A	A	A	B	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	↑	
Ethanol Amine	100	70	A	I	A	B	I	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	↑	
Ethyl Acetate	100	70	A	X	B	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	↑	
Ethyl Acetoacetate	100	70	A	X	B	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	↑	
Ethyl Acrylate	100	70	A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	↑	
Ethyl Alcohol	100	70	A	I	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	↑	
Ethyl Aldehyde			N/R																							↑	
Ethyl Aluminum Dichloride	100	70	X	I	X	X	X	B	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	↑	
Ethyl Benzene	100	70	A	X	X	X	X	A	X	A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	↑	
Ethyl Butanol	100	70	A	I	A	A	A	B	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	↑	
Ethyl Butyl Acetate	100	70	A	I	A	B	X	X	X	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	↑	
Ethyl Butyl Alcohol	100	70	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	↑	
Ethyl Butyl Amine	100	70	A	B	A	A	B	I	A	I	A	I	A	I	A	I	A	I	A	I	A	I	A	I	A	↑	
Ethyl Butyl Ketone	100	70	A	X	B	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	↑	
Ethyl Butyraldehyde	100	70	A	I	B	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	↑	
Ethyl Chloride			N/R																							↑	
Ethyl Dichloride	100	70	B	X	X	X	X	B	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	↑	
Ethyl Ether			N/R																							↑	
Ethyl Formate	100	70	A	X	B	X	X	X	X	A	I	X	I	A	I	A	I	A	I	A	I	A	I	A	I	A	↑
Ethyl Hexanol	100	70	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	↑	
Ethyl Hexoic Acid	100	70	A	I	X	B	X	I	X	I	A	I	A	I	A	I	A	I	A	I	A	I	A	I	A	↑	
Ethyl Hexyl Acetate	100	70	A	I	A	B	X	X	X	A	I	X	I	A	I	A	I	A	I	A	I	A	I	A	I	A	↑

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			UHMWPE	SBR	BUTYL	HYPALON	NATURAL	VITON	NITRILE	EPDM	XLPE	TPU	PVC	TPR	304SS	316SS	ALUMINUM	BRASS	NYLON	POLYPROPYLENE	TEFLON	SILICONE	VITON	BUNA	EPDM
Ethyl Hexyl Alcohol	100	70	A	I	A	A	A	B	A	A	A	A	A	A	A	I	I	I	I	T			B	E	
Ethyl Iodide	100	70	X	I	X	X	B	X	X	X	X	X	X	X	X	X	I	I	I	T		V			
Ethyl Isobutyl Ether	100	70	A	I	X	B	X	I	B	X	X	X	X	X	X	I	I	I	I	T					
Ethyl Methyl Ketone	100	70	A	X	B	X	X	X	X	X	X	X	X	X	A	A	A	I	I	T					
Ethyl Oxalate	100	70	A	A	A	X	A	I	X	X	X	X	X	I	I	I	I	I	T						
Ethyl Phthalate	100	70	A	X	X	X	X	X	X	X	X	X	X	X	I	I	I	I	T						
Ethyl Propyl Ether	100	70	A	X	X	B	X	X	X	X	X	X	X	I	I	I	I	I	T			B			
Ethyl Propyl Ketone	100	70	A	X	B	X	X	X	X	X	X	X	X	I	I	I	I	I	T						
Ethyl Silicate	100	70	A	B	A	I	X	I	A	I	A	I	A	A	I	I	I	I	T			B			
Ethyl Sulfate	100	70	A	X	B	X	X	X	X	I	A	I	A	X	X	I	I	I	T		S		B		
Ethylamine		N/R																							
Ethylene Bromide	100	70	X	X	X	X	X	B	X	X	X	X	X	X	I	A	X	I	T			V			
Ethylene Chloride	100	70	B	X	X	X	B	B	X	X	X	X	X	A	A	B	I	A	T			V			
Ethylene Diamine	100	70	A	B	A	X	B	I	B	A	I	I	I	I	I	I	I	I	T				B		
Ethylene Dibromide	100	70	X	X	X	X	X	B	X	X	X	X	X	X	I	A	I	I	T						
Ethylene Dichloride	100	70	B	X	X	X	B	X	X	X	X	X	X	A	B	I	A	X	T			V			
Ethylene Glycol	150	70	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	T	S		V	B	E	
Ethylhexil Phosphorodieth	100	70	I	I	X	X	I	I	X	X	X	X	X	I	I	I	I	I	T						
Ex-Tri	100	70	A	I	X	X	X	X	X	X	X	X	X	X	I	I	I	I	T						
Ferric Bromide	150	70	A	A	A	A	A	A	A	A	A	A	A	A	I	I	I	I	T			V	B	E	
Ferric Chloride	150	70	A	A	A	A	A	A	A	A	A	A	A	A	X	X	X	A	T	S		V	B	E	
Ferric Sulfate	150	70	A	A	A	A	A	A	A	A	A	A	A	A	X	X	X	A	T			V	B	E	
Ferrous Acetate	100	70	A	X	A	A	X	X	X	X	X	X	X	I	I	I	I	I	T						
Ferrous Chloride	150	70	A	A	A	A	A	B	A	A	A	A	A	X	X	X	X	A	T				B	E	
Ferrous Hydroxide	100	70	A	B	A	B	A	X	X	X	X	X	X	I	B	I	I	I	T						
Ferrous Sulfate	150	70	A	A	A	A	A	A	A	A	A	A	A	A	X	X	X	A	T			V	B	E	
Fluoboric Acid 65%	150	70	B	I	A	A	A	I	I	I	I	I	I	I	I	I	I	I	T						
Fluorine (wet)	100	70	X	I	X	X	X	X	X	X	X	X	X	X	X	X	X	X	T						
Fluosilicic Acid 50%	150	70	B	I	A	A	I	I	I	I	I	I	I	I	A	X	X	I	T						
Formaldehyde 40%	100	70	A	I	A	A	B	B	A	A	A	A	A	A	A	B	I	X	T				B	E	
Formalin	100	70	A	I	A	A	A	A	A	A	A	A	A	A	A	B	I	X	T			V	B	E	
Formic Acid	100	70	A	A	A	X	B	X	X	X	X	X	X	I	A	B	I	X	T			V	B	E	
Formic Acid	100	70	A	I	X	X	X	B	X	X	X	X	X	B	I	A	I	I	T						
Freon® 12	100	70	A	I	X	X	X	X	X	X	X	X	X	X	I	A	I	I	T						
Freon® 22	100	70	A	I	X	X	X	X	X	X	X	X	X	X	I	A	I	I	T						
Fuel A (ASTM)	100	70	B	I	X	X	X	A	A	B	A	B	A	B	I	A	A	I	T			V	B		
Fuel B (ASTM)	100	70	B	I	X	X	X	X	X	B	A	B	A	B	I	I	I	I	T			V	B		
Fuel Oil	100	70	A	X	X	X	X	X	X	A	A	A	A	A	A	A	A	A	T						
Furfural	100	70	A	X	X	X	X	I	X	X	X	X	X	X	A	X	A	A	T						
Furfuryl Alcohol	100	70	A	X	X	X	X	I	X	X	X	X	X	X	A	A	A	A	T						
Gallic Acid	100	70	A	A	B	I	I	I	B	I	I	I	I	A	B	I	I	I	T						
Gasoline	100	70	B	I	X	X	X	A	A	B	X	X	A	A	A	A	I	A	T	S					
Glacial Acetic Acid	100	70	A	I	B	X	X	X	X	A	A	A	A	A	B	X	I	A	T			V	B	E	
Gluconic Acid	100	70	A	X	X	B	X	X	I	A	I	I	I	X	X	A	I	I	T						
Glycerin	100	70	A	I	A	A	A	A	A	B	A	A	A	A	A	A	A	A	T	S		V	B	E	

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			UHMWPE	SBR	BUTYL	HYPALON	NATURAL	VITON	NITRILE	EPDM	XLPE	TPU	PVC	TPR	304SS	316SS	ALUMINUM	BRASS	NYLON	POLYPROPYLENE	TEFLON	SILICONE	VITON	BUNA	EPDM	
Glyphosate	100	70	A	I	I	I	I	I	A	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	E	
Graffinite	100	70	I	I	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	B	
Grease	100	70	A	X	X	X	X	X	B	A	A	B	A	A	A	A	A	A	A	I	I	V	B	B	E	
Green Sulfate Liquor	150	70	A	A	A	A	A	A	A	A	A	A	A	A	A	X	X	I	I	T	S		B	B	E	
Heptanal	100	70	A	I	X	X	X	X	A	I	I	I	I	I	I	I	I	I	I	T			B			
Heptane	100	70	A	X	X	X	X	X	B	A	A	X	A	A	A	A	A	A	X	T		V	B	B		
Heptane Carboxylic Acid	100	70	A	X	X	X	X	X	A	I	I	I	I	I	I	I	I	I	I	T		V				
Hexaldehyde	100	70	A	X	X	X	X	X	X	A	A	X	A	A	A	A	A	A	I	T		V	B	B	E	
Hexane	100	70	B	X	X	X	X	X	B	A	A	X	A	A	A	A	A	A	X	T		V	B	B	E	
Hexanol	100	70	A	I	A	A	A	A	A	B	A	A	A	A	A	I	I	I	I	T		V	B	B	E	
Hexyl Methyl Ketone	100	70	A	X	B	X	X	X	I	A	A	X	A	A	I	I	I	I	I	T		V	B	B	E	
Hexyl-Alcohol	100	70	A	I	A	A	A	A	X	A	A	X	A	A	I	I	I	I	I	T		V	B	B	E	
Hexylamine	100	70	A	B	B	X	X	X	I	A	A	X	A	A	I	I	I	I	I	T		V	B	B	E	
Hexylene	100	70	X	X	X	X	X	X	X	I	I	I	I	I	I	I	I	I	I	T		V	B	B	E	
Hexylene Glycol	150	70	A	A	A	A	A	A	A	I	B	I	I	A	B	A	A	I	I	T		V	B	B	E	
Hr-Tri	100	70	A	I	X	X	X	X	X	A	I	X	A	I	I	I	I	I	I	T		V	B	B	E	
Hydrobromic Acid (37%)	150	70	B	I	A	A	A	A	I	X	A	I	X	X	X	X	X	X	X	T		V	B	B	E	
Hydrochloric Acid (38% Conc.)	125	70	A	I	A	X	B	X	B	A	I	X	B	A	I	I	I	I	I	T		V	B	B	E	
Hydrofluoric Acid (10%)	125	70	A	I	A	A	X	I	A	I	I	I	A	X	X	X	X	X	X	T		V	B	B	E	
Hydrofluosilicic Acid	150	70	B	I	B	A	I	I	A	I	B	I	X	A	X	X	X	X	X	T		V	B	B	E	
Hydrogen Dioxide 10%	100	70	B	I	X	X	X	X	A	I	A	I	I	A	B	X	X	X	X	T		V	B	B	E	
Hydrogen Dioxide over 10%	100	70	B	I	X	X	X	X	I	X	I	I	I	A	X	X	X	X	X	T		V	B	B	E	
Hydrogen Gas	N/R																									
Hydrogen Peroxide 10% to 50%	100	70	B	I	X	X	X	X	X	X	I	I	I	I	A	A	A	A	X	T	S	V	B	B	E	
Hydrogen Peroxide over 50%	100	70	X	I	X	X	X	X	X	X	X	X	X	X	I	X	X	X	X	T		V	B	B	E	
Iodine	100	70	A	X	I	A	I	I	I	B	X	X	X	X	I	X	X	X	X	T		V	B	B	E	
Iron Acetate	100	70	A	X	A	A	X	X	X	A	I	A	I	I	I	I	I	I	I	T	S					
Iron Hydroxide	100	70	A	B	A	B	X	X	B	I	A	I	A	I	I	I	I	I	I	T		V	B	B	E	
Iron Salts	150	70	A	A	A	A	A	A	A	A	I	A	A	I	I	I	I	I	I	T		V	B	B	E	
Iron Sulfate	150	70	A	A	A	A	A	A	A	A	I	A	A	I	I	I	I	I	I	T		V	B	B	E	
Iron Sulfide	150	70	A	A	A	A	A	A	A	A	I	A	A	I	I	I	I	I	I	T		V	B	B	E	
Isoamyl Acetate	100	70	A	X	A	B	X	X	X	A	I	X	A	I	I	I	I	I	I	T		V	B	B	E	
Isoamyl Alcohol	100	70	A	A	A	A	A	A	B	A	I	A	I	A	I	A	A	A	I	T		V	B	B	E	
Isoamyl Bromide	100	70	B	X	X	X	X	X	B	X	X	X	X	X	I	I	I	I	I	T		V	B	B	E	
Isoamyl Butyrate	100	70	B	X	X	X	X	X	X	I	B	I	B	I	I	I	I	I	I	T		V	B	B	E	
Isoamyl Chloride	100	70	X	X	X	X	X	X	B	X	I	X	I	X	I	I	I	I	I	T		V	B	B	E	
Isoamyl Ether	100	70	A	X	X	B	X	X	X	A	I	X	A	I	I	I	I	I	I	T		V	B	B	E	
Isoamyl Phthalate	100	70	A	X	A	X	X	X	X	A	I	X	A	I	I	I	I	I	I	T		V	B	B	E	
Isobutane	N/R																									
Isobutanol	100	70	A	I	A	A	A	A	B	A	A	A	A	I	A	I	I	I	I	T	S		B	B	E	
Isobutyl Acetate	100	70	A	X	A	B	X	X	X	A	I	X	A	I	A	B	I	I	I	T		V	B	B	E	
Isobutyl Alcohol	100	70	A	I	A	A	A	A	A	A	I	A	A	A	A	A	A	A	A	T	S					
Isobutyl Aldehyde	100	70	A	X	B	X	X	X	X	I	A	I	A	I	A	I	I	I	I	T		V	B	B	E	

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Chemical	HOSE TEMPERATURE (F)	PVC TEMPERATURE (F)	HOSE AND SHEET RUBBER										THERMOPLASTIC HOSE				COUPLINGS						GASKETS			
			UHMWPE	SBR	BUTYL	HYPALON	NATURAL	VITON	NITRILE	EPDM	XLPE	TPU	PVC	TPR	304SS	316SS	ALUMINUM	BRASS	NYLON	POLYPROPYLENE	TEFLON	SILICONE	VITON	BUNA	EPDM	
Isobutyl Amine	100	70	A	B	B	X	X	X	A	I	A	X	X	X	A	I	A	I	I	I	T					
Isobutyl Bromide	100	70	B	X	X	X	B	X	X	X	X	X	X	X	X	I	I	I	I	I	T	V	B	E		
Isobutyl Carbinol	100	70	A	A	A	A	B	A	A	A	A	A	A	A	A	I	A	I	I	I	T	V				
Isobutyl Chloride	100	70	B	X	X	X	X	X	X	X	X	X	X	X	X	I	I	I	I	I	T	V	B			
Isobutyl Ether	100	70	A	X	X	X	X	X	X	X	X	X	X	X	X	I	I	I	I	I	T	V				
Isobutylene	100	70	A	X	X	X	X	X	X	X	X	X	X	X	X	I	I	I	I	I	T	V	B			
Isocetane	100	70	B	X	X	X	X	X	X	X	X	X	X	X	X	I	A	A	I	I	T	S	B			
Isopentane			N/R																							
Isophorone	100	70	B	I	A	I	I	X	A	B	I	X	A	B	I	I	A	I	I	I	T					
Isopropanol	100	70	A	I	A	A	A	A	A	A	A	A	A	A	A	I	A	I	I	I	T	S	B	E		
Isopropanol Amine	100	70	A	I	A	X	B	I	A	B	I	X	A	B	I	I	A	I	I	I	T	S	B	E		
Isopropyl Acetate	100	70	A	X	A	X	X	X	X	X	X	X	X	X	X	I	A	I	I	I	T					
Isopropyl Alcohol	100	70	A	A	A	A	A	A	A	A	A	A	A	A	A	I	A	I	I	I	T	S	B	E		
Isopropyl Amine	100	70	A	X	B	X	X	X	X	X	X	X	X	X	X	I	A	I	I	I	T					
Isopropyl Benzene	100	70	A	X	X	X	X	X	X	X	X	X	X	X	X	I	A	I	I	I	T					
Isopropyl Chloride			N/R																							
Isopropyl Ether	100	70	A	X	X	X	X	X	X	X	X	X	X	X	X	I	A	I	I	I	T		B			
Isopropyl Toluene	100	70	A	X	X	X	X	X	X	X	X	X	X	X	X	I	A	I	I	I	T					
Jet Fuels			N/R																							
Kerosene	100	70	A	X	X	X	X	X	X	X	X	X	X	X	X	I	A	I	I	I	T					
Lauryl Alcohol	100	70	A	A	A	A	A	A	A	A	A	A	A	A	A	I	A	I	I	I	T		B	E		
Lead Acetate	100	70	A	X	A	A	X	X	B	A	A	X	X	X	X	I	A	I	I	I	T					
Lead Sulfate	150	70	A	A	A	A	A	A	A	A	A	A	A	A	A	I	A	I	I	I	T					
Lignoin	100	70	A	X	X	X	X	X	X	X	X	X	X	X	X	I	A	I	I	I	T					
Linseed Oil	100	70	A	X	A	B	X	A	A	A	A	A	A	A	A	I	A	I	I	I	T	S	B			
Liquefied Natural Gas (LNG)			N/R																							
Liquefied Petroleum Gas (LPG)			N/R																							
Lubricating Oils	100	70	A	X	X	X	X	X	X	X	X	X	X	X	X	I	A	I	I	I	T	V	B			
M.E.K.	100	70	A	I	X	X	X	X	X	X	X	X	X	X	X	I	A	I	I	I	T					
Magnesium Acetate	100	70	A	X	A	A	A	X	A	A	A	A	A	A	A	I	A	I	I	I	T					
Magnesium Chloride	150	70	A	A	A	A	A	A	A	A	A	A	A	A	A	I	A	I	I	I	T	S	B	E		
Magnesium Hydroxide	150	70	A	A	A	B	A	B	I	A	A	A	A	A	A	I	A	I	I	I	T					
Magnesium Hydroxide	150	70	A	A	A	B	A	B	A	A	A	A	A	A	A	I	A	I	I	I	T	S	B	E		
Magnesium Sulfate	150	70	A	A	A	A	A	A	A	A	A	A	A	A	A	I	A	I	I	I	T	S	B	E		
Maleic Acid	100	70	A	X	X	X	X	I	B	I	A	X	A	A	A	I	A	I	I	I	T					
Malic Acid	150	70	B	A	I	A	I	I	I	B	A	X	A	A	A	I	A	I	I	I	T	S	B	E		
Manganese Sulfate	150	70	A	A	A	A	A	A	A	A	A	A	A	A	A	I	A	I	I	I	T					
Manganese Sulfide	150	70	A	A	A	A	A	A	A	A	A	A	A	A	A	I	A	I	I	I	T					
Manganese Sulfite	150	70	A	A	A	A	A	A	A	A	A	A	A	A	A	I	A	I	I	I	T					
Mesityl Oxide	100	70	A	I	B	X	X	X	X	A	A	A	A	A	A	I	A	I	I	I	T					
Methyl Alcohol	100	70	A	I	A	A	A	A	A	A	A	A	A	A	A	I	A	I	I	I	T					
Methanol	100	70	A	I	A	A	A	A	A	A	A	A	A	A	A	I	A	I	I	I	T					
Methyl (Wood) Alcohol	100	70	A	I	A	A	A	A	A	A	B	A	A	A	A	I	A	I	I	I	T	S	B	E		
Methyl Acetate	100	70	A	X	A	B	X	X	A	A	X	A	A	A	A	I	A	I	I	I	T					

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			UHMWPE	SBR	BUTYL	HYPALON	NATURAL	VITON	NITRILE	EPDM	XLPE	TPU	PVC	TPR	304SS	316SS	ALUMINUM	BRASS	NYLON	POLYPROPYLENE	TEFLON	SILICONE	VITON	BUNA	EPDM	
Methyl Acetoacetate	100	70	A		B	X	X	X	A		X															
Methyl Acetone			N/R																							
Methyl Amyl Acetate	100	70	B		A	X	X	X	A		X															
Methyl Amyl Alcohol	100	70	A		A	B	A	A	A		A															
Methyl Amyl Carbinol	100	70	A		A	B	A	A	A		A															
Methyl Amyl Ketone	100	70	A		B	X	X	X	A		X															
Methyl Benzene	100	70	A		X	X	X	X	X		X															
Methyl Butanol	100	70	A		A	A	A	A	A		A															
Methyl Butanone	100	70	A		B	X	X	X	B		A															
Methyl Butyl Ketone	100	70	A		B	X	X	X	A		A															
Methyl Carbitol	100	70	A		A	A	X	I	A		A															
Methyl Cellosolve	100	70	A		A	A	X	I	A		A															
Methyl Chloride			N/R																							
Methyl Cyclohexane	100	70	A		X	X	X	B	X		X															
Methyl Ethyl Ketone (M.E.K.)	100	70	A		X	X	X	X	X		X															
Methyl Hexanol	100	70	A		A	A	B	A	A		A															
Methyl Hexanone	100	70	A		B	X	X	X	A		A															
Methyl Hexyl Ketone	100	70	A		B	X	X	X	A		A															
Methyl Isobutyl Carbinol	100	70	A		B	X	X	A	A		A															
Methyl Isobutyl Ketone (MIBK)	100	70	A		X	X	X	X	X		X															
Methyl Isopropyl Ketone	100	70	A		B	X	X	X	B		A															
Methyl Normal Amyl Ketone	100	70	A		B	X	X	X	A		A															
Methyl Propyl Carbinol	100	70	A		A	A	A	B	X		A															
Methyl Propyl Ether	100	70	A		X	X	X	I	X		X															
Methyl Propyl Ketone	100	70	A		X	B	X	X	X		A															
MTBE 100% Concentrate	100	70	X		X	X	X	X	X		X															
Methylallyl Acetate	100	70	A		A	B	X	X	A		A															
Methylallyl Chloride	100	70	A		X	X	X	X	A		B															
Methyldiethanolamine	100	70	A		X	X	X	X	A		A															
Methylene Bromide	100	70	B		X	X	X	B	X		X															
Methylene Chloride			N/R																							
Methybutin	100	70	A		I	X	X	I	A		A															
MIBK	100	70	A		X	X	X	X	X		X															
Mineral Spirits	100	70	A		X	X	X	B	A		A															
Monochloroacetic Acid	100	70	A		X	X	B	I	X		A															
Monochlorobenzene	100	70	B		X	X	X	X	A		A															
Monochlorodifluoromethane	100	70	I		X	X	X	X	A		X															
Monoethanol Amine	100	70	A		X	X	X	I	I		A															
Monoethyl Amine			N/R																							
Muriatic Acid	125	70	A		X	X	A	I	X		A															
N-Methylpyrrolidone	100	70	A		X	X	X	A	A		A															
Naphtha	100	70	A		X	X	X	A	A		B															
Naphthalene	100	70	A		X	X	X	A	A		X															
Natural Gas			N/R																							

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		UHMWPE	SBR	BUTYL	HYPALON	NATURAL	VITON	NITRILE	EPDM	XLPE	TPU	PVC	TPR	304SS	316SS	ALUMINUM	BRASS	NYLON	POLYPROPYLENE	TEFLON	SILICONE	VITON	BUNA	EPDM
Neohexane	100 70	A	I	X	X	X	A	X	A	I	I	I	I	A	A	I	A	I	T		V	B		
Neu-Tri	100 70	A	I	X	X	X	A	X	A	I	I	I	I	I	I	I	I	I	T		V			
Nickel Chloride	150 70	A	A	A	A	A	A	A	A	A	B	A	A	B	X	X	X	A	T	S	V	B	E	
Nickel Nitrate	150 70	A	A	A	A	A	A	A	A	A	A	A	A	B	X	X	I	I	T		V	B	E	
Nickel Sulfate	150 70	A	A	A	A	A	A	A	A	A	A	A	A	A	X	X	X	A	T	S	V	B	E	
Nitric Acid 25%	100 70	B	I	B	X	X	X	X	B	I	I	I	I	A	X	X	I	I	T		V			
Nitric Acid 37%	100 70	X	I	X	X	X	X	X	X	X	I	I	I	A	X	X	I	I	T		V			
Nitric Acid 40%-60%	100 70	X	I	X	X	X	X	X	X	X	I	I	I	A	X	X	I	I	T		V			
Nitric Acid 70%	100 70	X	I	X	X	X	X	X	X	X	I	I	I	B	X	X	I	I	T		V			
Nitro Benzene	100 70	A	I	X	X	X	B	X	A	X	X	X	A	B	X	X	A	A	T		V	B	E	
Nitrogen Gas	100 70	A	A	A	A	A	A	A	A	A	A	A	A	A	I	I	I	I	T	S	V	B	E	
Nitrogen Oxide	100 70	A	A	A	A	A	A	A	A	A	A	A	A	A	I	I	I	I	T	S	V	B	E	
Nonenes	100 70	A	I	X	X	X	X	X	A	X	I	I	I	I	I	I	I	I	T		V	B		
Octadecanoic Acid	100 70	A	X	B	X	X	X	X	A	X	I	I	I	A	B	A	I	I	T		V	B		
Octane	100 70	B	X	X	X	X	X	X	A	X	I	I	I	B	I	B	I	I	T		V	B		
Octanol	100 70	A	I	A	A	A	B	A	A	X	A	B	X	A	I	I	I	I	T		V	B		
Octyl Acetate	100 70	A	X	A	A	A	X	X	I	A	X	I	I	I	I	I	I	I	T		V	B		
Octyl Alcohol	100 70	A	I	A	A	A	B	A	X	A	I	I	I	A	I	I	I	I	T		V	B		
Octyl Aldehyde	100 70	A	I	X	X	X	X	X	I	A	I	I	I	I	I	I	I	I	T		V	B		
Octyl Amine	100 70	A	B	B	X	X	X	X	I	A	I	I	I	I	I	I	I	I	T		V	B	E	
Octyl Carbinol	100 70	A	A	A	A	A	B	A	A	A	I	I	I	I	I	I	I	I	T		V	B	E	
Octylene Glycol	100 70	A	A	A	A	A	A	A	A	A	I	I	I	I	I	I	I	I	T		V	B	E	
Oil Petroleum	100 70	B	I	X	X	X	X	X	A	A	B	I	I	A	A	X	I	I	T		V	B		
Oleic Acid	100 70	A	X	B	X	X	X	X	I	A	X	X	X	A	B	X	A	X	T		V	B		
Oleum	100 70	X	I	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	T		V			
Organic Fatty Acids	100 70	A	I	X	X	X	X	X	A	X	I	I	I	A	I	I	I	I	T		V	B		
Orthodichlorobenzene	100 70	A	X	X	X	X	X	X	A	X	X	X	X	A	I	I	I	I	T		V			
Orthochlorobenzol	100 70	A	I	X	X	X	X	X	X	X	X	X	X	A	I	I	I	I	T		V			
Orthoxylene	100 70	B	I	X	X	X	X	X	A	X	I	I	I	I	I	I	I	I	T		V			
Oxalic Acid	100 70	A	B	A	X	X	I	X	B	I	A	A	A	A	B	X	X	A	T	S	V	B		
Oxygen		N/R																						
Ozone	100 70	A	B	B	B	X	I	X	A	I	B	B	I	I	I	I	I	I	T	S	V	B	E	
Palmitic Acid	100 70	A	X	A	B	X	I	A	B	B	B	B	I	A	I	X	X	A	T	S	V	B	E	
Papermakers Alum	150 70	A	A	A	A	A	A	A	A	A	I	I	I	I	I	I	I	I	T		V	B	E	
Paradichlorobenzol	100 70	B	I	X	X	X	A	X	X	X	X	X	I	I	I	I	I	I	T		V	B		
Paraffin	150 70	A	X	B	X	X	X	X	X	X	B	A	I	A	A	A	A	A	T		V	B		
Paraldehyde	100 70	A	I	B	X	X	X	X	X	X	I	I	I	A	A	A	I	I	T		V			
Paraxylene	100 70	A	I	X	X	X	X	X	A	X	I	I	I	I	I	I	I	I	T		V			
Parargonic Acid	100 70	A	I	A	X	X	I	A	X	I	I	I	I	I	I	I	I	I	T		V	B		
Pentachloroethane	100 70	X	X	X	X	X	X	X	A	X	I	I	I	A	B	X	X	A	T		V	B		
Pentane	100 70	X	X	X	X	X	X	X	A	X	B	B	A	B	A	A	A	I	T		V	B		
Pentanol	100 70	A	I	A	A	A	A	A	A	A	I	I	I	I	I	I	I	I	T		V	B	E	
Pentanone	100 70	A	I	B	X	X	X	X	A	X	I	I	I	I	I	I	I	I	T		V			
Perchloroethylene	100 70	B	X	X	X	X	X	X	A	X	X	X	X	A	B	X	X	X	T		V			

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Petroleum - Crude	100 70	A	I	X	X	A	A	X	A	A	B	X	I	A	A	X	I	I	T			V	B	
Petroleum Ether (Ligroin)	100 70	A	I	X	X	A	A	X	A	A	B	X	I	A	A	X	I	I	T			V	B	
Petroleum Oils	100 70	A	X	X	X	A	A	X	A	A	B	X	I	A	A	X	I	I	T			V	B	
Phenol	125 70	A	B	X	X	A	A	X	A	A	B	X	I	A	A	B	I	I	T			V		
Phenolsulfonic Acid	100 70	X	X	X	X	X	X	I	B	I	X	I	I	B	I	I	I	I	T			V		
Phenyl Chloride	100 70	A	X	X	X	A	A	X	A	A	I	X	I	A	A	B	I	I	T			V	B	E
Phosphoric Acid 10%	150 70	A	I	A	A	A	A	A	A	A	A	I	I	A	A	X	X	A	T			V	B	E
Phosphoric Acid 10-85%	100 70	A	X	X	X	A	A	X	A	A	I	I	I	A	A	X	I	I	T			V		
Pine Oil	100 70	A	X	X	X	A	A	X	A	A	I	I	I	A	A	X	I	I	T			V		
Pine	100 70	A	X	X	X	A	A	X	A	A	I	I	I	A	A	X	I	I	T			V		
Polyethylene Glycol	150 70	A	A	A	A	A	A	A	A	A	B	B	I	I	I	I	I	I	T			V	B	E
Polypropylene Glycol	150 70	A	A	A	A	A	A	A	A	A	B	B	I	I	I	I	I	I	T			V	B	E
Potassium Acetate	100 70	A	X	A	B	X	X	B	A	I	A	B	I	A	X	X	A	A	T			V	B	E
Potassium Bisulfate	150 70	A	A	A	A	A	A	A	A	A	A	B	I	A	X	X	I	I	T			V	B	E
Potassium Bisulfite	150 70	A	A	A	A	A	A	A	A	A	A	B	I	A	X	X	I	I	T			V	B	E
Potassium Carbonate	150 70	A	A	A	A	A	A	A	A	A	A	B	I	A	X	X	I	I	T			V	B	E
Potassium Chloride	150 70	A	A	A	A	A	A	A	A	A	A	B	I	A	X	X	I	I	T			V	B	E
Potassium Chromate	150 70	B	X	A	X	I	I	I	B	A	A	B	I	A	X	X	I	I	T			V	B	
Potassium Dichromate	150 70	B	X	A	X	I	I	I	B	A	A	B	I	A	X	X	I	I	T			V	B	
Potassium Hydrate	150 70	A	A	A	B	A	X	B	A	I	A	B	I	A	X	X	I	I	T			V		
Potassium Hydroxide	150 70	B	A	A	B	A	X	B	A	I	A	B	I	A	X	X	I	I	T			V		
Potassium Nitrate	150 70	A	A	A	A	A	A	A	A	A	A	B	I	A	X	X	I	I	T			V	B	E
Potassium Permanganate	100 70	A	X	A	A	A	A	B	I	A	I	A	A	A	A	A	I	X	T			V	B	E
Potassium Silicate	150 70	A	A	A	A	A	A	A	A	I	A	B	I	A	A	A	I	I	T			V	B	E
Potassium Sulfate	150 70	A	A	A	A	A	A	A	A	A	A	B	I	A	A	A	I	I	T			V	B	E
Potassium Sulfide	150 70	A	A	A	A	A	A	A	A	A	A	B	I	A	A	A	I	I	T			V	B	E
Potassium Sulfite	150 70	A	A	A	A	A	A	A	A	A	A	B	I	A	A	A	I	I	T			V	B	E
Propane Gas	N/R																							
Propanediol	100 70	A	A	A	A	A	A	A	A	I	A	B	I	A	A	A	X	X	T			V	B	E
Propanol	100 70	A	I	A	A	A	B	A	A	I	A	B	I	A	A	A	I	I	T			V	B	E
Propyl Acetate	100 70	A	X	A	B	X	X	X	A	I	X	I	I	A	I	A	I	I	T			V		
Propyl Alcohol	100 70	A	I	A	A	A	B	A	A	A	A	B	I	A	A	A	I	I	T				B	E
Propyl Aldehyde	100 70	A	X	B	X	X	X	I	A	I	I	I	I	A	I	I	I	I	T					
Propyl Chloride	N/R																							
Propylene Diamine	100 70	A	A	A	X	B	I	B	I	A	I	I	I	I	I	I	I	I	T			B		
Propylene Dichloride	100 70	B	X	X	X	B	X	X	A	X	X	X	I	A	X	I	I	I	T			V	B	E
Propylene Glycol	100 70	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	I	I	T			S	B	
Propylene Tetramer	100 70	A	I	X	X	X	X	X	A	I	I	I	I	I	I	I	I	I	T			V	B	E
Sea Water	100 70	A	I	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	T			S	B	E
Sewage	100 70	A	B	X	A	A	I	A	A	A	I	I	I	A	X	I	I	I	T			S	B	E
Silicate of Soda	100 70	A	I	A	A	A	A	A	A	A	I	B	I	A	X	X	I	I	T			S	B	E
Soap	100 70	A	I	X	X	X	X	X	X	I	I	I	I	A	X	X	A	A	T			S	B	E
Soda Ash	100 70	A	I	A	A	A	A	A	A	A	A	A	I	A	X	I	I	I	T			S	B	E
Soda, Caustic	100 70	A	A	A	B	A	X	A	A	A	B	A	I	A	X	X	I	I	T			S	B	E

**RUBBER CHEMICAL RESISTANCE GUIDE**

Chemical	HOSE TEMPERATURE (F)	PVC TEMPERATURE (F)	HOSE AND SHEET RUBBER										THERMOPLASTIC HOSE			COUPLINGS						GASKETS			
			UHMWPE	SBR	BUTYL	HYPALON	NATURAL	VITON	NITRILE	EPDM	XLPE	TPU	PVC	TPR	304SS	316SS	ALUMINUM	BRASS	NYLON	POLYPROPYLENE	TEFLON	SILICONE	VITON	BUNA	EPDM
<b>RATING DEFINITION</b> A = CONTINUOUS SERVICE B = FOR INTERMITTENT USE I = INSUFFICIENT DATA X = DO NOT USE																									
Soda, Lime	100	70	A	A	A	X	B	A	A	A	A	A	A	A	A	A	A	A	I	I	T	V	B	E	
Soda, Niter	100	70	A	I	A	A	A	B	A	A	B	A	A	A	A	B	I	I	I	T	T	V	B		
Sodium Acetate	100	70	A	X	A	X	X	B	A	X	B	A	B	A	A	I	A	A	A	T	S	V			
Sodium Aluminate	100	70	A	A	A	A	A	A	A	A	A	A	A	A	A	I	A	A	I	T	T	V	B	E	
Sodium Bisulfate	150	70	A	A	A	A	A	A	A	A	A	A	A	A	A	X	X	X	A	T	S	V	B	E	
Sodium Bisulfite	150	70	A	A	A	A	A	A	A	A	A	A	A	A	A	X	X	I	I	T	S	V	B	E	
Sodium Carbonate	150	70	A	A	A	A	A	A	A	A	A	A	A	A	A	X	I	A	A	T	S	V	B	E	
Sodium Chloride (Brine)	150	70	A	I	A	A	A	A	A	A	A	A	A	A	A	X	I	I	T	T	S	V	B	E	
Sodium Chromate	150	70	X	X	A	X	I	I	X	I	I	A	A	A	A	A	A	A	A	T	T	V	B	E	
Sodium Dichromate	150	70	A	X	A	X	I	I	A	A	A	A	A	A	A	I	X	X	A	T	T	V	B	E	
Sodium Hydroxide	150	70	A	I	A	B	X	X	X	X	X	X	X	X	X	X	X	I	I	T	T				
Sodium Hydrochlorite (20%)	100	70	A	I	B	X	X	X	X	X	X	X	X	X	X	X	I	I	T	T					
Sodium Hydrosulfide	100	70	A	I	X	X	X	X	X	X	X	X	X	X	X	X	I	I	T	T					
Sodium Hydroxide (50%)	150	70	A	I	A	B	X	X	X	X	X	X	X	X	X	X	X	X	A	T	T				
Sodium Hypochlorite	100	70	B	X	A	B	X	X	X	X	X	X	X	X	X	X	X	X	A	T	T				
Sodium Nitrate	150	70	A	A	A	A	A	A	A	A	A	A	A	A	A	I	X	X	A	T	T				
Sodium Silicate	150	70	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	T	S	V	B	E	
Sodium Sulfate	150	70	A	A	A	A	A	A	A	A	A	A	A	A	A	A	X	X	A	T	S	V	B	E	
Sodium Sulfite	150	70	A	A	A	A	A	A	A	A	A	A	A	A	A	A	X	X	A	T	S	V	B	E	
Sodium Sulfite	150	70	A	A	A	A	A	A	A	A	A	A	A	A	A	A	X	X	A	T	S	V	B	E	
Sodium Sulphate	100	70	A	I	X	X	X	X	X	X	X	X	X	X	X	I	I	I	I	T	T				
Sodium Thiosulfate	150	70	A	A	A	A	A	A	A	A	A	A	A	A	A	I	X	X	A	T	S	V	B	E	
Stannous Chloride	150	70	A	A	A	A	A	A	A	A	A	A	A	A	A	X	X	X	A	T	S	V	B	E	
Stannous Sulfide	150	70	A	A	A	A	A	A	A	A	A	A	A	A	A	I	I	I	I	T	T				
Stannous Chloride	150	70	A	A	A	A	A	A	A	A	A	A	A	A	A	X	X	X	A	T	T				
Stannous Sulfide	150	70	A	A	A	A	A	A	A	A	A	A	A	A	A	X	X	X	A	T	T				
Stearic Acid	100	70	A	X	B	X	X	X	X	X	X	X	X	X	X	A	A	A	A	T	T	V	B	E	
Stoddards Solvent	100	70	A	X	X	X	X	X	X	X	X	X	X	X	X	A	A	A	A	T	T	V	B	E	
Styrene	100	70	B	X	X	X	X	X	X	X	X	X	X	X	X	I	I	I	I	T	T	V			
Sulfamic Acid (>10%)	100	70	X	I	A	B	I	B	I	I	I	I	I	I	I	I	I	I	I	T	T	V			
Sulfonic Acid	100	70	B	X	X	X	X	X	X	X	X	X	X	X	X	I	I	I	I	T	T	V			
Sulfur Dioxide (Liquid)	100	70	B	I	B	I	B	I	X	X	X	X	X	X	X	X	X	X	I	T	T	V			
Sulfuric Acid 25%	150	70	A	I	A	B	I	X	A	A	A	A	A	A	A	X	X	I	I	T	T	V			
Sulfuric Acid 93%	100	70	X	I	X	B	X	X	X	X	X	X	X	X	X	I	X	X	I	T	T	V			
Sulfuric Acid 93-98%	100	70	X	I	X	X	X	X	X	X	X	X	X	X	X	I	X	X	I	T	T	V			
Sulfuric Acid Fuming	100	70	X	I	X	X	X	X	X	X	X	X	X	X	X	I	X	X	I	T	T	V			
Sulfurous Acid 10%	150	70	A	I	A	A	A	A	A	A	A	A	A	A	A	X	X	I	I	T	T				
Sulfurous Acid 10-75%	100	70	A	I	A	A	A	A	A	A	A	A	A	A	A	X	X	I	I	T	T				
Sulphonate	100	70	I	I	X	X	X	X	X	X	X	X	X	X	X	I	I	I	I	T	T				
Tail Oil	100	70	A	X	X	X	X	X	X	X	X	X	X	X	X	A	X	X	I	T	T	V	B	E	
Tallow	150	70	A	X	X	X	X	X	X	X	X	X	X	X	X	A	A	A	I	T	T	S	B	E	
Tannic Acid	150	70	A	A	A	A	A	A	A	A	A	A	A	A	A	X	X	I	A	T	T	V	B	E	
Tar	CALL																								
Tartaric Acid	150	70	A	A	A	A	A	A	A	A	A	A	A	A	A	I	A	A	A	T	T				

# RUBBER CHEMICAL RESISTANCE GUIDE

Chemical	HOSE TEMPERATURE (F)	HOSE AND SHEET RUBBER										THERMOPLASTIC HOSE			COUPLINGS						GASKETS				
		UHMWPE	SBR	BUTYL	HYPALON	NATURAL	VITON	NITRILE	EPDM	XLPE	TPU	PVC	TPR	304SS	316SS	ALUMINUM	BRASS	NYLON	POLYPROPYLENE	TEFLON	SILICONE	VITON	BUNA	EPDM	
<b>RATING DEFINITION</b> A = CONTINUOUS SERVICE B = FOR INTERMITTENT USE I = INSUFFICIENT DATA X = DO NOT USE																									
Tergitol	100 70	X	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I
Tertiary Butyl Alcohol	100 70	A	A	A	A	A	B	A	A	B	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I
Tetrachlorobenzene	100 70	B	X	X	X	X	B	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Tetrachloroethane	100 70	A	X	X	X	X	A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Tetrachloroethylene	100 70	A	X	X	X	X	A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Tetrachloromethane	100 70	A	X	X	X	X	A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Tetrachloronaphthalene	100 70	B	I	X	X	X	B	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Tetrachloronaphthalene	100 70	B	I	X	X	X	B	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Tetradecanol	100 70	A	I	A	A	A	B	A	A	A	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I
Tetraethylene Glycol	150 70	A	A	A	A	A	A	A	A	A	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I
Tetraethylene Lead	100 70	X	I	X	X	X	A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Tetrahydrofuran	100 70	B	I	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
THF	100 70	B	I	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Thionyl Chloride	100 70	X	X	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I
Tin Chloride	100 70	A	A	A	A	A	A	A	A	A	B	I	I	I	I	I	I	I	I	I	I	I	I	I	I
Tin Tetrachloride	150 70	B	A	A	A	A	I	A	A	A	B	I	I	I	I	I	I	I	I	I	I	I	I	I	I
Titanium Tetrachloride	100 70	B	X	X	X	X	A	B	X	A	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I
Toluene	100 70	A	I	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Toluidine	100 70	X	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I
Toluol	100 70	A	I	X	X	X	A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Transformer Oil	100 70	X	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I
Transmission Oil "A"	150 70	B	I	X	X	X	A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Tributoxy Ethylsulphate	100 70	I	I	A	X	X	A	X	A	X	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I
Tributyl Amine	100 70	A	A	A	X	B	I	B	I	A	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I
Tributyl Phosphate	100 70	A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Trichlorobenzene	100 70	B	X	X	X	X	B	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Trichloroethane	100 70	A	X	X	X	X	A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Trichloroethylene	100 70	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Trichloropropane	100 70	A	X	X	X	X	A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Tricresylphosphate	100 70	A	I	A	X	X	A	X	A	A	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I
Tridecanol	100 70	A	I	A	A	A	B	A	A	A	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I
Triethanolamine	100 70	A	I	A	X	B	X	B	X	A	B	I	I	I	I	I	I	I	I	I	I	I	I	I	I
Triethylamine	100 70	A	A	A	A	A	B	I	B	I	A	I	I	I	I	I	I	I	I	I	I	I	I	I	I
Triethylene Glycol	150 70	A	A	A	A	A	A	A	A	A	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I
Trifluralin (Trefalin)	100 70	A	I	X	X	X	A	X	A	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I
Triphenyl Phosphate	100 70	A	X	A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Tripolyphosphate	100 70	X	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I
Trisodium Phosphate	150 70	A	A	A	A	A	A	A	A	A	B	A	I	I	I	I	I	I	I	I	I	I	I	I	I
Turpentine	100 70	A	X	X	X	X	A	X	A	B	X	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Undecanol	100 70	B	A	A	A	A	B	A	A	A	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I
Urea	100 70	A	B	A	I	I	X	I	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
V.M. & P. Naphtha	100 70	A	I	X	X	X	A	A	A	A	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I
Vinyl Acetate	100 70	A	X	A	A	B	X	X	A	A	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I
Vinyl Benzene	100 70	A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

**RUBBER CHEMICAL RESISTANCE GUIDE**

Chemical	HOSE TEMPERATURE (F)	PVC TEMPERATURE (F)	HOSE AND SHEET RUBBER										THERMOPLASTIC HOSE			COUPLINGS						GASKETS				
			UHMWPE	SBR	BUTYL	HYALON	NATURAL	VITON	NITRILE	EPDM	XLPE	TPU	PVC	TPR	304SS	316SS	ALUMINUM	BRASS	NYLON	POLYPROPYLENE	TEFLON	SILICONE	VITON	BUNA	EPDM	
			N/R																							
Vinyl Chloride			N/R																							
Vinyl Ether																										
Vinyl Toluene	100	70	A	X	X	A	X	X	A	A	A	X	A	I	I	I	I	I	I	I	T	V				
Vinyl Trichloride	100	70	A	X	X	A	X	X	A	A	A	X	A	I	A	I	I	I	I	I	T	V				
Water	180	70	A	I	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	T	V	B			
Wax	100	70	A	I	X	X	X	X	X	X	X	X	X	I	A	I	I	I	I	I	T	V	B			
White Oil	100	70	A	X	X	X	X	X	X	X	X	X	X	I	A	I	I	I	I	I	T	V	B			
Wood Alcohol	100	70	A	I	A	A	A	A	A	A	A	A	A	B	A	I	I	I	I	I	T	S	B			
Xylene (Xylol)	100	70	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	T	V				
Xylidine	100	70	B	X	X	X	X	X	X	X	X	X	X	I	B	I	I	I	I	I	T					
Zinc Carbonate	150	70	A	A	A	A	A	A	A	A	A	A	A	A	B	X	X	X	X	X	T	V	B			
Zinc Chloride	150	70	A	A	A	A	A	A	A	A	A	A	A	A	X	X	X	X	X	X	T	V	B			
Zinc Chromate	150	70	A	B	A	X	I	I	X	B	A	A	A	A	I	I	I	I	I	I	T					
Zinc Phosphate	100	70	A	I	X	X	X	X	X	X	A	A	A	A	I	I	I	I	I	I	T	S	B			
Zinc Sulfate	150	70	A	A	A	A	A	A	A	A	A	A	A	A	A	X	X	X	X	X	T	S	B			

**RATING DEFINITION**  
 A = CONTINUOUS SERVICE  
 B = FOR INTERMITTENT USE  
 I = INSUFFICIENT DATA  
 X = DO NOT USE



## Temperature Conversions

**Start reading either Celsius or Fahrenheit degrees in the shaded column, then look for the Celsius equivalent in the left column, or the Fahrenheit equivalent in the right column.**

C	C or F	F	C	C or F	F	C	C or F	F
-73	-100	-148	5.0	41	105.8	33.3	92	197.6
-68	-90	-130	5.6	42	107.6	33.9	93	199.4
-62	-80	-112	6.1	43	109.4	34.4	94	201.2
-57	-70	-94	6.7	44	111.2	35.0	95	203.0
-51	-60	-76	0.72	45	113.0	35.6	96	204.8
-46	-50	-58	7.8	46	114.8	36.1	97	206.6
-40	-40	-40	8.3	47	116.6	36.7	98	208.4
-34	-30	-22	8.9	48	118.4	37.2	99	210.2
-29	-20	-4	9.4	49	120.2	37.8	100	212.0
-23	-10	14	10.0	50	122.0			
-17.8	0	32	10.6	51	123.8	43	110	230
-17.2	1	33.8	11.1	52	125.6	49	120	248
-16.7	2	35.6	11.7	53	127.4	54	130	266
-16.1	3	37.4	12.2	54	129.2	60	140	284
-15.6	4	39.2	12.8	55	131.0	66	150	302
-15.0	5	41.0	13.3	56	132.8	71	160	320
-14.4	6	42.8	13.9	57	134.6	77	170	338
-13.9	7	44.6	14.4	58	136.4	82	180	356
-13.3	8	46.4	15.0	59	138.2	88	190	374
-12.8	9	48.2	15.6	60	140.0	93	200	392
-12.2	10	50.0	16.1	61	141.8	99	210	410
-11.7	11	51.8	16.7	62	143.6	100	212	413.6
-11.1	12	53.6	17.2	63	145.4	104	220	428
-10.6	13	55.4	17.8	64	147.2	110	230	446
-10.0	14	57.2	18.3	65	149.0	116	240	464
-9.4	15	59.0	18.9	66	150.8	121	250	482
-8.9	16	60.8	19.4	67	152.6	127	260	500
-8.3	17	62.6	20.0	68	154.4	132	270	518
-7.8	18	64.4	20.6	69	156.2	138	280	536
-7.2	19	66.2	21.1	70	158.0	143	290	554
-6.7	20	68.0	21.7	71	159.8	149	300	572
-6.1	21	69.8	22.2	72	161.6	154	310	590
-5.6	22	71.6	22.8	73	163.4	160	320	608
-5.0	23	73.4	23.3	74	165.2	166	320	626
-4.4	24	75.2	23.9	75	167.0	170	338	640
-3.9	25	77.0	24.4	76	168.8	171	340	644
-3.3	26	78.8	25.0	77	170.6	177	350	662
-2.8	27	80.6	25.6	78	172.4	182	360	680
-2.2	28	82.4	26.1	79	174.2	186	366	691
-1.7	29	84.2	26.7	80	176.0	188	370	698
-1.1	30	86.0	27.2	81	177.8	193	380	716
-0.6	31	87.8	27.8	82	179.6	198	388	730
0	32	89.6	28.3	83	181.4	199	390	734
0.6	33	91.4	28.9	84	183.2	204	400	752
1.1	34	93.2	29.4	85	185.0	208	406	763
1.7	35	95.0	30.0	86	186.8	210	410	770
2.2	36	96.8	30.6	87	188.6	216	420	788
2.8	37	98.6	31.1	88	190.4	221	430	806
3.3	38	100.4	31.7	89	192.2	227	440	824
3.9	39	102.2	32.2	90	194.0	232	450	842
4.4	40	104.0	32.8	91	195.8			

### Distance Conversions

MM	INCHES		MM	INCHES		MM	INCHES		MM	INCHES	
	FRACTION	DECIMAL		FRACTION	DECIMAL		FRACTION	DECIMAL		FRACTION	DECIMAL
0.3969	1/64	0.0156	6.7469	17/64	0.2656	13.0969	33/64	0.5156	19.4469	49/64	0.7656
0.7938	1/32	0.0312	7.1438	9/32	0.2812	13.4938	17/32	0.5312	19.8438	25/32	0.7812
1.1906	3/64	0.0468	7.5406	19/64	0.2968	13.8906	35/64	0.5468	20.2406	51/64	0.7968
1.5875	1/16	0.0625	7.9375	5/16	0.3125	14.2875	9/16	0.5625	20.2375	13/16	0.8125
1.9844	5/64	0.0781	8.3344	21/64	0.3281	14.6844	37/64	0.5781	21.0344	53/64	0.8281
2.3812	3/32	0.0937	8.7312	11/32	0.3437	15.0812	19/32	0.5937	21.4312	27/32	0.8437
2.7781	7/64	0.1093	9.1281	23/64	0.3593	15.4781	39/64	0.6093	21.8281	55/64	0.8593
3.1750	1/8	0.1250	9.5250	3/8	0.3750	15.8750	5/8	0.6250	22.2250	7/8	0.8750
3.5719	9/64	0.1406	9.9219	25/64	0.3906	16.2719	41/64	0.6406	22.6219	57/64	0.8906
3.9688	5/32	0.1562	10.3188	13/32	0.4062	16.6688	21/32	0.6562	23.0188	29/32	0.9062
4.3656	11/64	0.1718	10.7156	27/64	0.4218	17.0656	43/64	0.6718	23.4156	59/64	0.9218
4.7625	3/16	0.1875	11.1125	7/16	0.4375	17.4625	11/16	0.6875	23.8125	15/16	0.9375
5.1594	13/64	0.2031	11.5094	29/64	0.4531	17.8594	45/64	0.7031	24.2094	61/64	0.9531
5.5562	7/32	0.2187	11.9062	15/32	0.4687	18.2562	23/32	0.7187	24.6062	31/32	0.9687
5.9531	15/64	0.2343	12.3031	31/64	0.4843	18.6531	47/64	0.7343	25.0031	63/64	0.9843
6.3500	1/4	0.2500	12.7000	1/2	0.5000	19.0500	3/4	0.7500	25.4000	1	1.0000

### Pressure Conversions

Kilo-Pascals (kPa)	Mega-Pascals (Mpa)	Bar (bar)	Kilograms per Square Centimeter (Kgf/cm 2)	lbs per Square Inch (psi)	lbs per Square Inch (psi)	Kilo-Pascals (kPa)	Mega-Pascals (Mpa)	Bar (bar)	Kilograms per Square Centimeter (Kgf/cm 2)
100	0.1	1.00	1.0	14.50	10	68.9	0.07	0.7	0.70
200	0.2	2.00	2.0	29.00	20	137.9	0.14	1.4	1.41
300	0.3	3.00	3.1	43.50	30	206.8	0.21	2.1	2.11
400	0.4	4.00	4.1	58.00	40	275.8	0.28	2.8	2.81
500	0.5	5.00	5.1	72.50	50	344.7	0.34	3.4	3.52
600	0.6	6.00	6.1	87.00	60	413.7	0.41	4.1	4.22
700	0.7	7.00	7.1	101.50	70	482.6	0.48	4.8	4.92
800	0.8	8.00	8.2	116.00	80	551.6	0.55	5.5	5.63
900	0.9	9.00	9.2	130.50	90	620.5	0.62	6.2	6.33
1000	1.0	10.00	10.2	145.00	100	689.0	0.70	6.9	7.00
2000	2.0	20.00	20.4	290.10	200	1379.0	1.40	13.8	14.10
3000	3.0	30.00	30.6	435.10	300	2068.0	2.10	20.7	21.10
4000	4.0	40.00	40.8	580.20	400	2758.0	2.80	27.6	28.10
5000	5.0	50.00	51.0	725.20	500	3447.0	3.40	34.5	35.20
6000	6.0	60.00	61.2	870.20	600	4137.0	4.10	41.4	42.20
7000	7.0	70.00	71.4	1015.30	700	4826.0	4.80	48.3	49.20
8000	8.0	80.00	81.6	1160.30	800	5516.0	5.50	55.2	56.30
9000	9.0	90.00	91.8	1305.30	900	6205.0	6.20	62.1	63.30
10000	10.0	100.00	102.0	1450.00	1000	6895.0	6.90	68.9	70.30
20000	20.0	200.00	204.0	2901.00	2000	13790.0	13.80	137.9	140.70
30000	30.0	300.00	306.0	4351.00	3000	20684.0	20.70	206.8	211.00
40000	40.0	400.00	408.0	5802.00	4000	27579.0	27.60	275.8	281.30
50000	50.0	500.00	510.0	7252.00	5000	34474.0	34.50	344.7	351.60
60000	60.0	600.00	612.0	8702.00	6000	41369.0	41.40	413.7	421.90
70000	70.0	700.00	714.0	10153.00	7000	48263.0	48.30	482.6	492.30
80000	80.0	800.00	816.0	11603.00	8000	55158.0	55.20	551.6	562.60
90000	90.0	900.00	918.0	13053.00	9000	62053.0	62.10	620.5	632.90
100000	100.0	1000.00	1020.0	14504.00	10000	68948.0	68.90	689.0	703.00
200000	100.0	2000.00	2040.0	29008.00	20000	137895.0	137.90	1379.0	1406.00
300000	300.0	3000.00	3060.0	43511.00	30000	206843.0	206.80	2068.0	2110.00
					40000	275790.0	275.80	2758.0	2813.00

### Conversion Table - Feet of Water to Inches of Mercury

Feet of Water	1	2	4	6	8	10	12	14	16	20	22	24	26	28	30	32	34
Inches of Mercury	0.9	1.8	3.5	5.3	7.1	8.8	10.6	12.4	14.1	17.7	19.4	21.2	23.0	24.8	26.5	28.3	30.0

## Water Flow Pressure Loss

(PSI Per 100 Feet Of Hose)

Flow of water in U.S. gal. per min.	Flow of water in cu. feet per sec.	Actual Internal Diameter, Inches								
		1/2"	5/8"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"
0.5	0.001	0.4								
1.5	0.003	3.02	1.01	0.42						
2.5	0.005	7.75	2.58	1.08						
5	0.011	27.8	9.27	3.86	0.95	0.32	0.13			
10	0.022	99.5	33.2	13.8	3.38	1.14	0.47	0.12		
15	0.033		71.0	29.6	7.25	2.45	1.01	0.25	0.08	
20	0.044		121.0	50.3	12.4	4.15	1.71	0.42	0.14	
25	0.055			76.5	18.7	6.34	2.60	0.64	0.22	
30	0.066			108.0	26.5	8.96	3.68	0.90	0.30	0.13
35	0.077			142.0	34.8	11.8	4.83	1.18	0.40	0.17
40	0.088				44.7	15.1	6.20	1.52	0.51	0.21
45	0.099				55.0	18.6	7.65	1.87	0.63	0.26
50	0.110				67.5	22.8	9.35	2.28	0.78	0.32
60	0.132				94.3	31.8	13.1	3.19	1.08	0.45
70	0.154				126.0	42.5	17.5	4.25	1.44	0.60
80	0.176					54.6	22.5	5.48	1.86	0.77
90	0.198					67.5	27.8	6.80	2.30	0.95
100	0.223					81.5	33.5	8.19	2.78	1.15
125	0.278					124.0	50.6	12.4	4.20	1.73
150	0.334						72.1	17.6	6.97	2.46
175	0.390						94.5	23.1	7.83	3.23
200	0.446						122.0	29.6	10.1	4.15
225	0.501							36.8	12.5	5.15
250	0.557							44.6	15.2	6.28
275	0.613							53.3	18.1	7.45
300	0.688							62.5	21.2	8.75
325	0.724							72.5	24.6	10.2
350	0.780							83.2	28.2	11.7
375	0.836							94.5	32.1	13.3
400	0.891							107.0	36.2	14.9
450	1.00								44.9	18.6
500	1.11								54.5	22.5
600	1.34								76.5	31.6
700	1.56								102.0	42.1
800	1.78								131.0	53.9
900	2.00									66.8
1000	2.23									81.4
1100	2.45									97.0
1200	2.67									114.0
1300	2.90									132.0
1400	3.12									
1500	3.34									
1600	3.56									
1800	4.01									
2000	4.45									

The pressure loss of liquid flowing through a hose depends on the rate of flow, the hose I.D, the smoothness of the tube, the viscosity of the liquid, and the hose length. This chart shows the relationship between rate of flow, I.D and pressure loss for water at 68F with a viscosity of one centipoise. The pressure is directly proportional to the length of the hose, therefore, the data shown, can be extended by use of proportions.

## Steam Temperature - Pressure Conversion Guide

Temperature - Pressure equivalents of saturated steam gauge pressure at sea level

Temperature		Lbs. per Sq. Inch	Temperature		Lbs. per Sq. Inch	Temperature		Lbs. per Sq. Inch
F	C		F	C		F	C	
212	100.0	0.0	286	141.1	39.4	336	168.9	97.1
214	101.1	0.6	287	141.7	40.3	337	169.4	98.7
216	102.2	1.2	288	142.2	41.1	338	170.0	100.2
218	103.3	1.8	289	142.8	42.0	339	170.6	101.8
220	104.4	2.5	290	143.3	42.9	340	171.1	103.3
222	105.6	3.2	291	143.9	43.8	341	171.7	105.0
224	106.7	3.9	292	144.4	44.7	342	172.2	106.5
226	107.8	4.6	293	145.0	45.6	343	172.8	108.2
228	108.9	5.3	294	145.6	46.5	344	173.3	109.8
230	110.0	6.1	295	146.1	47.5	345	173.9	111.5
232	111.1	6.9	296	146.7	48.4	346	174.4	113.1
234	112.2	7.7	297	147.2	49.4	347	175.0	114.8
236	113.3	8.5	298	147.8	50.3	348	175.6	116.5
238	114.4	9.4	299	148.3	51.3	349	176.1	118.2
240	115.6	10.3	300	148.9	52.3	350	176.7	119.9
242	116.7	11.2	301	149.4	53.4	352	177.8	123.5
244	117.8	12.1	302	150.0	54.4	354	178.9	127.1
246	118.9	13.1	303	150.6	55.4	356	180.0	130.8
248	120.0	14.1	304	151.1	56.4	358	181.1	134.5
250	121.1	15.1	305	151.7	57.5	360	182.2	138.3
252	122.2	16.2	306	152.2	58.6	362	183.3	142.3
254	123.3	17.3	307	152.8	59.7	364	184.4	146.2
256	124.4	18.4	308	153.3	60.7	366	185.6	150.3
258	125.6	19.6	309	153.9	61.9	368	186.7	154.4
260	126.7	20.7	310	154.4	63.0	370	187.8	158.7
261	127.2	21.4	311	155.0	64.2	372	188.9	163.0
262	127.8	22.0	312	155.6	65.3	374	190.0	167.4
263	128.3	22.6	313	156.1	66.5	376	191.1	171.9
264	128.9	23.2	314	156.7	67.6	378	192.2	176.4
265	129.4	23.9	315	157.2	68.8	380	193.3	181.1
266	130.0	24.5	316	157.8	70.0	382	194.4	185.8
267	130.6	25.2	317	158.3	71.3	384	195.6	190.6
268	131.1	25.8	318	158.9	72.5	386	196.7	195.6
269	131.7	26.5	319	159.4	73.7	388	197.8	200.6
270	132.2	27.2	320	160.0	75.0	390	198.9	205.7
271	132.8	27.9	321	160.6	76.3	392	200.0	210.9
272	133.3	28.6	322	161.1	77.5	394	201.1	216.2
273	133.9	29.3	323	161.7	78.8	396	202.2	221.5
274	134.4	30.0	324	162.2	80.1	398	203.3	227.0
275	135.0	30.8	325	162.8	81.5	400	204.4	232.6
276	135.6	31.5	326	163.3	82.8	402	205.5	238
277	136.1	32.3	327	163.9	84.2	404	206.7	244
278	136.7	33.0	328	164.4	85.6	406	207.8	250
279	137.2	33.8	329	165.0	87.0	408	208.9	256
280	137.8	34.5	330	165.6	88.4	410	210	262
281	138.3	35.3	331	166.1	89.8	412	211.1	268
282	138.9	36.1	332	166.7	91.2	414	212.2	275
283	139.4	36.9	333	167.2	92.7	416	213.3	281
284	140.0	37.7	334	167.8	94.1	418	214.4	288
285	140.6	38.6	335	168.3	95.6	420	215.6	294

Degrees Celsius = 5/9 (Degrees F -32)

## Open-End Flow (GPM)

		Hose Length, feet										Hose Length, feet								
		Pressure at Inlet, psi										Pressure at Inlet, psi								
		25	50	75	100	125	150	200	300			25	50	75	100	125	150	200	300	
<b>1 / 2"</b> hose	30	10.4	6.2	5.6	4.8	4.3	3.8	3.3	2.6	<b>1"</b> hose	30	68.0	46.2	37.5	32.0	28.5	25.8	22.0	17.8	
	40	12.1	8.5	6.2	5.6	5.0	4.5	3.8	3.2		40	79.0	54.4	44.0	37.5	33.0	30.0	25.8	20.8	
	50	13.8	9.4	7.5	6.4	5.6	5.1	4.0	3.5		50	89.0	62.0	49.0	42.0	37.5	34.0	29.0	23.3	
	60	15.2	10.4	8.5	7.1	6.2	5.6	4.9	3.8		60	100.0	68.0	54.4	46.2	41.8	37.5	32.0	25.8	
	70	16.6	11.2	9.0	7.8	6.8	6.2	5.3	4.2		70	—	74.0	59.0	51.0	45.0	40.8	37.3	28.0	
	80	18.0	12.1	9.8	8.5	7.3	6.6	5.6	4.5		80	—	79.0	63.0	54.4	48.0	43.0	37.5	30.0	
	90	19.0	13.0	10.4	8.8	7.7	7.1	6.0	4.8		90	—	84.0	68.0	58.0	51.8	46.2	40.0	32.0	
	100	20.1	13.8	11.0	9.4	8.5	7.5	6.4	4.9		100	—	89.0	71.0	62.0	54.4	49.0	42.0	34.0	
	125	22.8	15.5	12.5	10.5	9.4	8.5	7.2	5.8		125	—	101.0	80.0	68.0	62.0	55.8	47.8	38.0	
<b>5/8"</b> hose	30	18.1	12.5	10.3	8.7	7.7	7.0	6.0	4.9	<b>1 1/4"</b> hose	50	—	110.0	85.0	72.0	56.0	58.0	50.0	42.0	
	40	21.4	14.8	12.5	10.3	9.0	8.3	7.0	5.7		75	—	130.0	110.0	90.0	80.0	73.0	64.0	52.0	
	50	23.9	16.5	13.2	11.4	10.3	9.2	7.9	6.3		100	—	150.0	125.0	110.0	92.0	85.0	73.0	58.0	
	60	26.5	18.1	14.8	12.5	11.2	10.3	8.7	7.0		150	—	—	150.0	130.0	120.0	110.0	90.0	67.0	
	70	27.5	20.0	16.0	13.7	12.0	11.0	10.0	7.6		50	—	140.0	115.0	96.0	85.0	75.0	65.0	54.0	
	80	30.6	21.4	16.8	14.8	13.0	11.8	10.3	8.3		75	—	170.0	140.0	125.0	110.0	96.0	84.0	67.0	
<b>3/4"</b> hose	90	32.5	22.5	18.1	15.5	14.0	12.5	10.5	8.7	<b>1 3/8"</b> hose	150	—	—	205.0	170.0	155.0	140.0	125.0	97.0	
	100	34.5	23.9	19.0	16.6	14.8	13.2	11.4	9.2		50	—	180.0	150.0	130.0	120.0	105.0	90.0	74.0	
	125	39.0	27.0	21.5	18.5	16.6	15.0	12.9	10.5		75	—	230.0	180.0	160.0	145.0	130.0	120.0	90.0	
	30	31.0	21.3	17.2	14.8	13.0	11.8	10.2	8.2		<b>1 1/2"</b> hose	100	—	260.0	220.0	180.0	170.0	150.0	130.0	105.0
	40	36.0	25.0	20.0	17.2	15.2	13.8	11.8	9.4			150	—	—	260.0	230.0	205.0	180.0	160.0	130.0
	50	41.0	28.0	22.5	19.2	17.2	15.5	13.2	10.7			75	—	480.0	380.0	330.0	290.0	270.0	230.0	180.0
60	45.5	31.0	25.0	21.3	19.0	17.2	14.8	11.8	<b>2"</b> hose	100		—	550.0	450.0	380.0	350.0	310.0	260.0	215.0	
70	49.5	34.0	27.2	23.5	21.0	18.8	17.1	12.8		125		—	—	550.0	480.0	425.0	380.0	330.0	265.0	
80	53.0	36.0	29.1	25.0	22.0	20.0	17.2	13.8												
90	56.2	39.0	31.0	27.0	23.8	21.3	18.2	14.8												
100	60.0	41.0	33.0	28.0	25.0	22.6	19.2	15.5												
125	68.0	46.0	37.5	32.0	23.0	25.8	21.8	17.5												

## Force Chart

Force (In Pounds)

Hose	25	50	75	100	150	200	250	300	500	1000
I.D.	PSI	PSI	PSI	PSI	PSI	PSI	PSI	PSI	PSI	PSI
1/4"	1	2	4	5	7	10	12	15	25	49
3/8"	3	6	8	11	17	22	28	33	55	110
1/2"	5	10	15	20	29	39	49	59	98	196
3/4"	11	22	33	44	66	88	110	133	221	442
1"	20	39	59	79	118	157	196	236	393	785
1-1/4"	31	61	92	123	184	245	307	368	614	1227
1-1/2"	44	88	133	177	265	353	442	530	884	1767
2"	79	157	236	314	471	628	785	942	1571	3142
2-1/2"	123	245	368	491	736	982	1227	1473	2454	4909
3"	177	353	530	707	1060	1414	1767	2121	3534	7069
4"	314	628	942	1257	1885	2513	3142	3770	6283	12566
5"	491	982	1473	1964	2945	3927	4909	5891	9818	19635
6"	707	1414	2121	2827	4241	5655	7069	8482	14137	28274
8"	1257	2513	3770	5027	7540	10053	12566	15080	25133	50266
10"	1964	3927	5891	7854	11781	15708	19635	23562	39270	78540
12"	2827	5655	8482	11310	16965	22620	28274	33929	56549	113098

# Flow Data

This table may be used to determine the pressure loss in hose connected to pneumatic tools. Hose with rough tube may have a friction loss as much as 50% greater than the represented figures. The represented figures apply to hose with smooth inner tube.

## Air Flow Pressure Loss

### PULSATING FLOW

Cubic feet free air per minute passing through 50 foot lengths of hose

Size of Hose	Gauge press. at line	20	30	40	50	60	70	80	90	100	110	120	130	140	150
Loss of pressure in pounds per square inch - 50 foot hose length															
	50	1.8	5.0	10.1	18.1										
<b>1/2 in.</b>	60	1.3	4.0	8.4	14.8	23.4									
<b>with</b>	70	1.0	3.4	7.0	12.4	20.0	28.4								
<b>couplings</b>	80	0.9	2.8	6.0	10.8	17.4	25.2	34.6							
<b>at each</b>	90	0.8	2.4	5.4	9.5	14.8	22.0	30.5	41.0						
<b>end</b>	100	0.7	2.3	4.8	8.4	13.3	19.3	27.2	36.6						
	110	0.6	2.0	4.3	7.6	12.0	17.6	24.6	33.3	44.5					
<b>3/4 in.</b>	50	0.4	0.8	1.5	2.4	3.5	4.4	6.5	8.5	11.4	14.2				
<b>with</b>	60	0.3	0.6	1.2	1.9	2.8	3.8	5.2	6.8	8.6	11.2				
<b>couplings</b>	70	0.2	0.5	0.9	1.5	2.3	3.2	4.2	5.5	7.0	8.8	11.0			
<b>at each</b>	80	0.2	0.5	0.8	1.3	1.9	2.8	3.6	4.7	5.8	7.2	8.8	10.6		
<b>end</b>	90	0.2	0.4	0.7	1.1	1.6	2.3	3.1	4.0	5.0	6.2	7.5	9.0		
	100	0.2	0.4	0.6	1.0	1.4	2.0	2.7	3.5	4.4	5.4	6.6	7.9	9.4	11.1
	110	0.1	0.3	0.5	0.9	1.3	1.8	2.4	3.1	3.9	4.9	5.9	7.1	8.4	9.9
	50	0.1	0.2	0.3	0.5	0.8	1.1	1.5	2.0	2.6	3.5	4.8	7.0		
<b>1 in.</b>	60	0.1	0.2	0.3	0.4	0.6	0.8	1.2	1.5	2.0	2.6	3.3	4.2	5.5	7.2
<b>with</b>	70		0.1	0.2	0.4	0.5	0.7	1.0	1.3	1.6	2.0	2.5	3.1	3.8	4.7
<b>couplings</b>	80		0.1	0.2	0.3	0.5	0.7	0.8	1.1	1.4	1.7	2.0	2.4	2.7	3.5
<b>at each</b>	90		0.1	0.2	0.3	0.4	0.6	0.7	0.9	1.2	1.4	1.7	2.0	2.4	2.8
<b>end</b>	100		0.1	0.2	0.2	0.4	0.5	0.6	0.8	1.0	1.2	1.5	1.8	2.1	2.4
	110		0.1	0.2	0.2	0.3	0.4	0.6	0.7	0.9	1.1	1.3	1.5	1.8	2.1
	50			0.1	0.2	0.2	0.3	0.4	0.5	0.7	1.1				
<b>1 1/4 in.</b>	60				0.1	0.2	0.3	0.3	0.5	0.6	0.8	1.0	1.2	1.5	
<b>with</b>	70				0.1	0.2	0.2	0.3	0.4	0.4	0.5	0.7	0.8	1.0	1.3
<b>couplings</b>	80					0.1	0.2	0.2	0.3	0.4	0.5	0.6	0.7	0.8	1.0
<b>at each</b>	90					0.1	0.2	0.2	0.3	0.3	0.4	0.5	0.6	0.7	0.8
<b>end</b>	100						0.1	0.2	0.2	0.3	0.4	0.4	0.5	0.6	0.7
	110						0.1	0.2	0.2	0.3	0.3	0.4	0.5	0.5	0.6
	50						0.1	0.2	0.2	0.2	0.3	0.3	0.4	0.5	0.6
<b>1 1/2 in.</b>	60							0.1	0.2	0.2	0.2	0.3	0.3	0.4	0.5
<b>with</b>	70								0.1	0.2	0.2	0.2	0.3	0.3	0.4
<b>couplings</b>	80									0.1	0.2	0.2	0.2	0.3	0.4
<b>at each</b>															
<b>end</b>	90									0.1	0.2	0.2	0.2	0.2	0.3
	100										0.1	0.2	0.2	0.2	0.2
	110											0.1	0.2	0.2	0.2

For longer or shorter lengths of hose, the friction loss is proportional to the length, e.g., for 25 ft., half of the above; for 150 ft., three times the above, etc.

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