



**ENTERPRISES LTD.**

*Since 1964*

# PHARMACEUTICAL/ PERSONAL CARE PRODUCTS CATALOG



Tri-Clover Inc.



[www.harcosupply.com](http://www.harcosupply.com)





## **Supply House to the Processing Industries Since 1964**

**Trusted supply house of sanitary processing equipment, parts and supplies for the dairy and food, brewery, beverage and pharmaceutical industries.**

Harco Enterprises offers a diverse line of sanitary and hygienic processing equipment, parts and supplies including pumps, sanitary valves, separators, homogenizers, gaskets and fittings, sanitary hoses, and instrumentation as well as a variety of other products from world leading manufacturers such as Alfa Laval, Ampco, Tetra Pak, Burkert, Tri-Clover, Remco, Vikan, Carlisle, Haynes, Strahman, and more.

These products are distributed to dairy, food, beverage processing facilities as well as the pharmaceutical, brewing, and fisheries industries throughout North America.

Many of our products are customized in design due to strict sanitary and hygienic standards, and all are built to stand up to the demands of high production environments. Resourcefulness and quick delivery are important to you, and Harco always provides both.

Check out our large collection of equipment, parts and supplies, including our line of color-coded products available.

**Visit our website today at [www.harcosupply.com](http://www.harcosupply.com)**

# Table of CONTENTS



<b>Capabilities</b> .....	<b>23</b>
<b>Cleaning &amp; Washdown</b> .....	<b>16</b>
<b>Colour Coded Brushes/Products</b> .....	<b>20-22</b>
<b>Filters &amp; Strainers</b> .....	<b>19</b>
<b>Flow Meters</b> .....	<b>14</b>
<b>Gaskets &amp; Fittings</b> .....	<b>15</b>
<b>Gauges &amp; Thermometers</b> .....	<b>14</b>
<b>Heat Exchangers</b> .....	<b>13</b>
<b>Powder &amp; Ingredient Systems</b> .....	<b>8</b>
<b>Pressure Gauges</b> .....	<b>14</b>
<b>Pumps</b> .....	<b>4-7</b>
AC/AC+ Series Pumps .....	.6
Alfa Laval Twin Screw Pump .....	.6
LC/LD/LF Series Pumps .....	.7
LKH UltraPure Series Pumps .....	.4
LKH Prime UltraPure Series Pumps .....	.4
SX UltraPure Series Pumps .....	.5
SolidC UltraPure Pumps .....	.5
ZP 3 Series Pumps .....	.7
<b>Sanitary Hoses</b> .....	<b>17</b>
<b>Tanks</b> .....	<b>18</b>
Agitators .....	.18
Manway Gaskets .....	.18
Spray Balls .....	.18
Tank Covers .....	.18
<b>Valves</b> .....	<b>9-12</b>
Automation .....	.12
Burkert Diaphragm Valves .....	.11
UltraPure LKB Butterfly Valves .....	.9
UltraPure LKC Check Valves .....	.9
UltraPure Unique Mixproof Valves .....	.10
UltraPure Unique Sampling Valves .....	.11
UltraPure DT-ST Diaphragm Valves .....	.10

# PHARMACEUTICAL PUMPS

## Alfa Laval LKH UltraPure Pumps

Alfa Laval LKH UltraPure delivers maximum uptime, optimal efficiency and process safety for the most demanding pharmaceutical applications. An external shaft seal, advanced impeller design and crevice-free internal surfaces are the special features, which make these pumps ideal for ultra-clean processes where low energy consumption is of concern. Designed to meet industry specifications, it is a proven solution with low cost of ownership.

- Multiple sizes with wide operating range
- High efficiency and low NPSHr
- Enhanced grade silicon carbide seal
- Optional low delta ferrite Impeller

**Contact Harco for your Alfa Laval LKH UltraPure Pump or LKH UltraPure replacement part inquires.**



Visit our web site at <https://www.harcosupply.com/pumps/centrifugal-pumps/lkh-ultrapure-pumps/>

## Alfa Laval LKH Prime UltraPure Pumps

LKH Prime UltraPure sets the new standard in self-priming pharmaceutical pumps. Primarily used for cleaning-in-place duties containing entrained air, LKH Prime UltraPure can also pump product, further reducing capital investment. Unlike conventional self-priming pumps, the LKH Prime UltraPure has an impeller which can be trimmed to for your application.

- Single mechanical shaft seal
- Advanced hygienic design
- High efficiency
- Low noise and high performance
- Versatile design can be used for 'Cleaning-in-Place' and pumping product

**Contact Harco for your Alfa Laval LKH Prime UltraPure Pump or LKH Prime UltraPure replacement part inquires.**



Visit <https://www.harcosupply.com/pumps/centrifugal-pumps/lkh-prime-ultrapure-pumps/>



## Alfa Laval SolidC UltraPure Pumps

Alfa Laval SolidC UltraPure pumps strike the perfect balance between price and performance. This standardized centrifugal pump is ideal for use in duties such as cleaning-in-place (CIP) and intermittent product pumping. SolidC UltraPure centrifugal pumps are designed with features that ensure consistent performance as well as eliminating any risk of contamination.

- Meets global standards for pharmaceutical production
- Exceptional value and performance
- Quick and easy maintenance
- Crevice-free design increases cleanability and repeatability

**Contact Harco for your Alfa Laval SolidC UltraPure Pump or SolidC UltraPure replacement part inquires.**



Visit <https://www.harcosupply.com/pumps/centrifugal-pumps/solidc-ultrapure-pumps/>

## Alfa Laval SX UltraPure Pumps

The Alfa Laval SX UltraPure is Alfa Laval's rotary lobe pump specifically designed for gentle transporting of sensitive liquids efficiently and effectively. Made for the hygienic, ultra-clean and high-purity applications of the Biotechnology and Pharmaceutical industries. Low pulsation, low shear and low noise characteristics, while ensuring efficient fluid transfer, are trademarks for the Alfa Laval SX UltraPure pump providing process repeatability and increasing product quality and yield.

- 14 pumps sizes ensure optimum pump for your production
- Low product degradation
- Front loading mechanical seals
- Durable paint free, all stainless steel finish

**Contact Harco for your Alfa Laval SX UltraPure Pump or SX UltraPure replacement part inquires.**



Visit <https://www.harcosupply.com/pumps/positive-displacement/sx-ultrapure-pumps/>

## Alfa Laval Twin Screw Pumps

The Alfa Laval Twin Screw pump range combines process flexibility with the highest quality standards. The Alfa Laval range has been certified by EHEDG and conforms to the 3A standard. The Alfa Laval Twin Screw Pump is ideal for use in hygienic applications in the dairy, food, beverage and personal care industries. Its quiet, virtually pulse-free, smooth and gentle operation makes the pump an excellent choice for handling sensitive products with 12 pump sizes available, there is a Alfa twin screw pump to fit your application.

With a front loading cartridge shaft seal, a rigid stainless steel gearbox with timing gears located between bearings, providing balanced loading of the shaft assembly and an oil chamber design with enhanced lubrication to the bearings and gears the Alfa Laval Twin Screw pump is designed for optimal reliability and quick and easy maintenance.

**Contact Harco for your Alfa Laval Twin Screw Pump or Twin Screw replacement part inquires.**



Visit our web site at <https://www.harcosupply.com/alfa-laval-twin-screw-pump/>

## AMPCO AC/AC+ Series Pumps

AC+ pumps are a cost-effective solution to a wide range of sanitary pump applications used in food, dairy, beverage and pharmaceutical industries.

The pumps feature an improved shaft design, while maintaining the hydraulic characteristics and external dimensions of the traditional AC Series. They also conform to 3-A sanitary standard.

### Other AC+ Series sanitary pump benefits:

- Clamped stub shaft and threaded impeller nut provide more stable performance
- External dimensions are the same as AC pumps; no need to change piping
- Hydraulic performance is identical to the AC pumps
- 316L stainless steel construction and adapter
- Parts are 100% interchangeable with competing brands

**Contact Harco for your Ampco AC/AC+ Pump or AC/AC+ replacement part inquires.**

Ampco Pumps Company



Visit our web site at <https://www.harcosupply.com/pumps/centrifugal-pumps/ac-ac-series-pumps/>

## AMPCO LC/LF/LD Series Pumps

Ampco created the LC, LF, and LD pump lines to be interchangeable with Fristam's FPX, FPR, and FP models; they're functionally and hydraulically identical to Fristam's products.

These pumps feature heavy-duty cast construction and high efficiency. All models feature a 304 stainless-steel adapter and conform to 3-A sanitary standards.

**AMPCO LC** - Ampco's LC Series is a tried and true single mechanical seal design. LC pumps are used for gentle and efficient applications, such as beverage and dairy.

**AMPCO LD** - LD Series is a close-coupled version of the LC Series, using a double mechanical seal. The LD is used with abrasive or volatile products, and in vacuum applications.

**AMPCO LF** - Ampco's LF is designed with a unique front-loading seal for easy maintenance and improved cleanability. Balanced impellers, a self-aligning shaft design and tight manufacturing tolerances, minimize vibration and improve seal life, making the LF a preferred choice for difficult-to-handle products.



LC Series  
Pump

Ampco Pumps Company



LF Series Pump

Visit our web site at <https://www.harcosupply.com/pumps/centrifugal-pumps/lc-lf-ls-seriespumps/>

## AMPCO ZP3 Pumps

The patented ZP3 is built for Cleaning-in-Place (CIP), without being modified or losing efficiency. The front-loading seals allow for fast and easy maintenance, without having to disconnect the pump from piping.

The unique rotor case removes all dead zones within the pump, making the ZP3 the top CIP choice in sanitary positive displacement pumps. The ZP3 is EHEDG-certified and conforms to 3A standards and ATEX Directive.

Front-loading seals are located closer to the product flow, offering improved CIP-ability with no disassembly required.

The ZP3 pump is mounted on a ZP2 gear case, including shafts, to maximize parts interchangeability. Existing ZP2 pumps can upgrade to the ZP3 design with new rotors, seals and re-machining the existing rotor case.

**Contact Harco for your Ampco ZP3 pump or ZP3 replacement part inquiries.**

Visit our web site at <https://www.harcosupply.com/pumps/positive-displacement/zp-series-pumps/>



# POWDER & INGREDIENT SYSTEMS

## POWDER-max

The POWDER-max reduces processing time and provides optimal product consistency with zero batch size limitations. An innovative design allows POWDER-max to quickly mix wet and dry ingredients in a single, fully portable unit. POWDER-max combines Ampco's SP Series liquid ring pump and High Shear Blender in-line to facilitate unlimited production runs. The sanitary design is suitable for food.



Visit our web site at <https://www.harcosupply.com/powder-max/>

## SHEAR-blend

The SHEAR-blend portable tabletop hopper system is designed for ergonomic small batch blending, where shear is required but a larger two-pump system is unnecessary. The SHEAR-blend system combines powder induction and fluid pumping as an economical solution to moderate powder induction applications. The combination of shear teeth and pumping vanes on the Ampco SBI blender efficiently shear and pump the product.



Visit our web site at <https://www.harcosupply.com/shear-blend/>

## SIMPLE-Blend

The SIMPLE-blend is a lower cost option, with a simple design. The system is designed to induce powders at a highly efficient rate, with minimal shear. An Ampco SP Series pump powers this unit and the self-priming SP provides the suction for the induction process. A typical application for the SIMPLE-blend unit would require little to no shear and induce easily dissolved products. These units can be completely customized per application and process layout.



Visit our web site at <https://www.harcosupply.com/simple-blend/>

## DRY-blend

The DRY-blend system can efficiently and thoroughly blend wet and dry ingredients. Powered by an Ampco AC+ centrifugal pump, this proven tube within a tube design eliminates foaming, lumping and fisheyes, while consistently blending with every batch. All wetted components are 316L stainless steel. The DRY-blend system is easy to maintain and operate, and is suitable for food, dairy, beverage, and pharmaceutical applications.



Visit our web site at <https://www.harcosupply.com/dry-blend/>



# PHARMACEUTICAL VALVES

## Alfa Laval UltraPure LKB Butterfly Valves

The Alfa Laval LKB UltraPure Butterfly Valve is a hygienic in-line valve for routing low and medium-viscosity liquids in stainless steel pipe systems. The LKB UltraPure is available with a standard handle with spring-locking action for straightforward manual operation or with a pneumatic actuator for pneumatic operation. These valves can also be fitted with the Alfa Laval ThinkTop® V50 and V70 for sensing and control of the valve.

The Alfa Laval LKB UltraPure is made for use in dairy, food and beverage, and high-pressure applications.

### Benefits

- Versatile, highly modular design
- Competitively priced alternative to diaphragm valves in certain applications
- Full transparency and traceability of the entire supply chain due to the Alfa Laval Q-doc documentation package
- Easy to configure in either a manual or a pneumatic version



Visit our web site at <https://www.harcosupply.com/valves/butterfly/lkb-butterfly-ultrapure/>

## Alfa Laval LKC UltraPure Non-Return Valves

### LKC UltraPure Check Valve

Designed to meet the specific demands and strict standards of the biotech, pharmaceutical and personal care industries, the LKC UltraPure non-return valve provides safe, easy installation and high, consistent quality.

The LKC UltraPure valve is subject to rigorous quality control. Alfa Laval performs all incoming and outgoing quality control and inspections. They also monitor every aspect of the manufacturing process, from raw material sourcing to tolerance and surface finish inspection to packaging and labelling. Tolerances and all surface finishes, for instance, are inspected with calibrated equipment. This helps ensure the highest quality possible.

***Alfa Laval UltraPure LKC & LKC UltraPure parts are available.***



Visit our web site at <https://www.harcosupply.com/valves/check-valves/lkc-ultra-pure/>

## Alfa Laval Unique Mixproof UltraPure Valves

The Alfa Laval Unique Mixproof UltraPure Valve is designed for continuous flow management of product in high-purity applications across the biotechnology, pharmaceutical and other high-purity industries where the Alfa Laval Q-doc documentation package and full traceability is a requirement.

The Unique Mixproof UltraPure Valve concept is based on a series of base components, including valve body, valve plug, actuator and cleaning options and accessories that support a wide range of applications. Using these components, you can build a Unique Mixproof UltraPure Valve to match your exact process requirements. The valve can also be fitted with the Alfa Laval ThinkTop V50 and V70 for sensing and control of the valve.

### Benefits

- Modular, high-purity design
- Cost-effective, spillage-free operation
- Optimized plant efficiency and enhanced cleanability
- Leakage detection and leakage chamber cleaning
- Full component traceability with Q-doc



Visit our web site at <https://www.harcosupply.com/valves/mixproof/unique-mixproof-ultrapure/>

## Alfa Laval Unique DV-ST UltraPure Diaphragm Valves

The Unique Diaphragm Valve UltraPure meets the requirements of most sterile and ultra-hygienic processes. With a fully modular design and enhanced compatibility, Alfa Laval's DV-ST UltraPure diaphragm valves offer solutions for all hygienic industries. Their customizability allow you to create a complete valve system to meet virtually any demand in the pharmaceutical and biotech industry.

Alfa Laval DV-ST UltraPure valve bodies are available in cast, forged, and block options to suit the most demanding applications. A choice of surface finishes and connection types are also available. For critical applications with corrosive media we offer special alloy options in block design including Hastelloy, duplex, and AL-6XN materials.

**Alfa Laval Unique DV-ST Diaphragm Valve & Unique DV-ST Diaphragm parts are available.**



Visit <https://www.harcosupply.com/valves/diaphragm-valves/alfa-laval-unique-dv-st-ultrapure/>

## Bürkert Diaphragm Valves

Bürkert offers a broad range of diaphragm valve solutions (control, on/off and hygienic speciality valves) to fit your individual needs. Configure your valves from the very best ingredients of actuator, diaphragm and body from a single source with proven Bürkert quality. Choose the innovative Tube Valve Body for example and regain production time due to shorter heat-ups and cool-downs. You can combine it with your desired diaphragm and actuator.

### Benefit from

- individual valve configuration
- increased diaphragm lifetimes
- reduced operation costs
- most suitable automation solution



**bürkert**  
FLUID CONTROL SYSTEMS

Visit our web site at <https://www.harcosupply.com/valves/single-seat/burkert-ssv/>

## Alfa Laval Unique Sampling Valves

With Unique Sampling Valves you can take representative samples in a variety of hygienic processes within dairy, food, beverage, brewery, pharmaceutical, personal care and many other industries. These reliable single and double-seat valves provide the high accuracy, exceptional reproducibility and excellent reliability required for high quality, cost-effective sampling. The ergonomically designed handle ensures exceptional control and convenience during operation.

**Alfa Laval Unique Sampling Valve & Unique Sampling parts are available.**



Visit our web site at <https://www.harcosupply.com/valves/sampling-valves/unique-sampling/>

## AUTOMATION

### V50/V70 ThinkTop

The compact Alfa Laval ThinkTop V50 and V70 are the second-generation of the leading sensing and control units for hygienic valves. It ensures unmatched control of all Alfa Laval valves used in the dairy, food, beverage, brewery and pharmaceutical industries.

The ThinkTop V50 and V70 valve control units offer a single-sensor solution for butterfly, single-seat and mixproof valves; a single control unit can be fitted with up to three solenoid valves. ThinkTop converts the electrical PLC output signals into mechanical energy to energize or de-energize the air-operated valve, using the physical sensor target mounted on the valve stem.

Installation with auto setup is intuitive and fast. The process is completed in accordance with the number of solenoid valves fitted to the control unit and can be set up without dismantling the control head using the built-in "Live setup" feature for remote configuration. No adapters, special tools or cover screws required. Non-crossing, colour-coded air hoses ensure straightforward connections.

*Also available is the ThinkTop and ThinkTop Basic combine Alfa Laval's quality with standard functionality for automated sensing and control of sanitary valves.*



Visit our web site at <https://www.harcosupply.com/valves/automation/>

## Burkert 8681 Control Head

A Burkert Control Top is an excellent alternative which fits many valve designs. With the control head 8681, its status display is bright and its talent shines through in its central role in decentralized automation.

Universally adaptable, combining with all valve forms, it takes on the complete pneumatic control, feedback and diagnostic and even bus communication. Since it's made of chemically stable materials, has a high IP protection and is easy to clean, the 8681 is perfectly suited for hygienic applications.

### Features:

- Universal attachment for hygienic process valves
- Contactless position measurement system with 3 switching points (teach-In function)
- Coloured status display
- Manual override to be used with closed housing
- Communication interfaces AS-Interface and DeviceNet



Visit our web site at <https://www.harcosupply.com/valves/automation/burkert-control-tops/>



# HEAT EXCHANGERS

Authorized Tetra Pak Distribution Centre



Tetra Pak

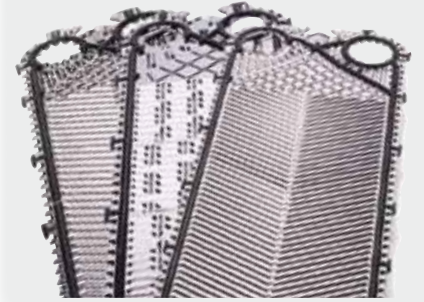
## For Sanitary, Pharmaceutical and other Hygienic Applications

Harco gives you access to a wide range of compact plate heat exchangers that are especially designed to suit your application.



## Plates & Gaskets For All Makes

For Heat Exchangers and Regasketing  
For All Makes



## CONTHERM Scraped Surface Heat Exchanger

The Contherm scraped-surface heat exchangers are designed for heating and cooling operations in the continuous and semi-continuous processing of many food, health and beauty aid products.

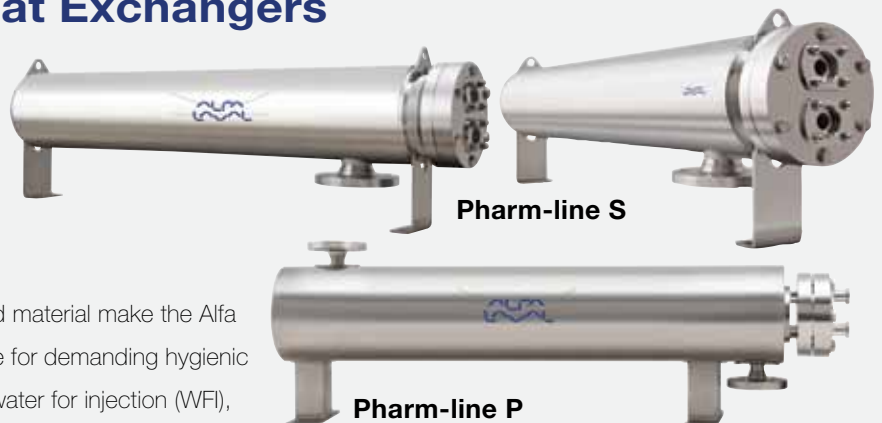
Contherm scraped-surface heat exchanger is vertically mounted maximizing product recovery and optimizing cleaning-in-place (CIP) and reducing the risk of contamination.



VISIT <https://www.harcosupply.com/heat-exchangers/>

## PHARM-LINE (DTS) Heat Exchangers

The Alfa Laval Pharma-line range is a double tube sheet (DTS) shell-and-tube heat exchanger that provides full drainability and prevents the risk of cross-contamination. Its bundle of seamless tubes handles the flow of product media, with service media running outside the tubes in a crossflow. Its flexibility in design, size and material make the Alfa Laval Pharma-line an ideal and cost-efficient choice for demanding hygienic applications. Typical uses include water systems, water for injection (WFI), purified water (PW) and Cleaning-in-Place (CIP) systems, as well as general product heating and cooling duties.



Pharm-line S

Pharm-line P

# Instrumentation

Harco offers a complete line of instrumentation, including sanitary and pharmaceutical pressure gauges, digital and bi-metal thermometers, as well as flow measurement devices for various liquids, gases and steam.

## PRESSURE GAUGES

### Pharmaceutical Gauges

The Pharma-Flow Pressure Gauge is built to withstand the strict requirements of pharmaceutical plants, and function for many years with little or no maintenance.

- 316L Stainless Steel Sanitary Fittings & Diaphragm assures maximum corrosion resistance while providing the most sanitary construction possible
- Totally Flush Diaphragm with a mirror-like finish and no sharp corners makes this the industry's most sanitary pressure gauge available
- 304 Stainless Steel Case for durability even in the roughest environments
- Polycarbonate Lens is virtually impervious to cracks and breakage
- Waterproof Construction throughout allows gauge to be submersed for cleaning
- C.I.P. can be cleaned in place for convenience and to eliminate the possibility of damage from mishandling
- Pressure Ranges from 30" Hg vacuum to 1,000 psi
- True Zero with Re-Zero Feature is standard on all gauges
- Unique Pulsation Dampening System eliminates pointer oscillations and insulates the gauge movement from pulsations which shorten the life of an ordinary pressure gauge
- Glycerine Fill is standard to protect the gear mechanism against wear and vibration
- 500°F Maximum process temperatures (260°C)




Visit our web site at <https://www.harcosupply.com/instrumentation/>

## Flow Meters

### Sanitary & Pharmaceutical Flow Meters

Harco can offer a complete line of sanitary and pharmaceutical flowmeters from industry leaders such as Endress + Hauser, Burkert, and Alfa Laval. Harco realizes that all applications are different and can offer a customized solution to fit you're your specifications.



Endress+Hauser 

  
FLUID CONTROL SYSTEMS

# FITTINGS & GASKETS

Harco carries a range of sanitary gaskets and fittings in various materials in stock for same day shipments.

## Pharmaceutical Fittings

Alfa Laval Tri-Clover UltraPure fittings are developed to facilitate safe and easy installation that ensures optimum integrity of the piping installations. This complete range of fittings offer high and consistent quality, optimal weldability, thorough documentation and a broad selection of dimensions and executions which meet the strict standards of the biotech, pharmaceutical and personal care industries.

The Tri-Clover BioPharm product range includes a comprehensive selection of fittings with internal surface finishes with a roughness average (Ra) of  $< 0.4 - 0.8 \mu$ , either electropolished or mechanically polished. Fittings in this range comply with ASME BPE dimension standards.



Tri-Clover Inc.



VISIT <https://www.harcosupply.com/tubes-fittings-gaskets/>

## Sanitary Gaskets

All styles and sizes are maintained in stock to ensure you fast delivery of the highest quality gaskets at all times. Closures, Dust Covers, Filters, Strainers, Clamp and other styles are all available.

**Gaskets for All Sanitary Processing Equipment.**



*Large Inventory,  
Competitive Prices!*

# CLEANING & WASHDOWN EQUIPMENT



Harco Enterprises offers a full line of cleaning and wash down equipment from Strahman and Archon Industries as well industrial hoses and tubing for a wide variety of applications serving the dairy, food, brewing, pharmaceutical and many other industries across North America.

High-quality, high-efficiency, long-service products to fit your application. From hoses, tubing and hose reels, mini nozzles, spray nozzles, steam and water mixing stations, as well as many other mixing stations and products.

## Strahman Low Flow Nozzles & Mixing Station *Strahman*

### Low Flow Nozzles

#### HYDRO-PRO-150 NOZZLE

Black, white, or red.

Heavyweight performance in a lightweight design! This water saver spray nozzle is ergonomically designed to reduce user fatigue. Stays cool even when using water as hot as 200°F.



#### M-70 SERIES NOZZLE

With swivel adapter. Black (M-70), white (M-75), or red (M-77).



Automatic Water Saver Spray Nozzles automatically shut off the moment the lever is released, thereby eliminating all waste of water.

### Steam & Cold Mixing Water Mixing Station

#### M-5000TG

A Steam and Cold Mixing Water Unit, designed to produce hot water instantly from a steady supply of steam and cold water. And is available in bronze or chrome-plated material.



#### M-5000TG/M-5700TG Unit

Required Steam Model No.	Required Steam Pressure*	Required Water Pressure*	GPM
M-5000 L**	80-95 lbs.	50-80 lbs.	5-7
M-5000 M	96-130 lbs.	50-80 lbs.	4.5-6
M-5000 H	130-150 lbs.	50-80 lbs.	4.5-6

\* Steam pressure required at installation site to ensure proper operation of mixing unit. \*\* Standard unit supplied.

## ARCHON Low Flow Nozzles & Mixing Station

### Heavy Duty Rear Trigger Spray Nozzles

#### MODEL: RT12

Available in bronze or stainless steel, with cover options in black, red or white.



Fully adjustable nozzle with automatic shut-off upon lever release for safety and reduction of water usage.

### Steam & Water Mixing Station

#### MODEL: WD2010

Steam and cold water are thoroughly mixed to provide "instant" hot water on demand.

#### Features & Benefits:

- No carbonate build-up
- Internal steam and water check valves to prevent back-flow
- Fail-safe trigger- actuated spray gun or shut-off lance
- All units have a maximum allowable pressure of 200 psig steam
- Water supply pressure up to 150 psig





# Pharmaceutical Hoses

## PHARMACEUTICAL SUCTION & DISCHARGE HOSES

### Fluorinated Ethylene Propylene Tube - Novaflex 4600

Recommended for the transfer of those special products that require a hose tube with the highest level of chemical resistance. FEP (Teflon type\*) tube provides that extra margin of safety, with a white chemical resistant back-up rubber stock for high adhesions.



### UHMW Chemical - Novaflex 4700 - UHMW Chemical Suction & Discharge

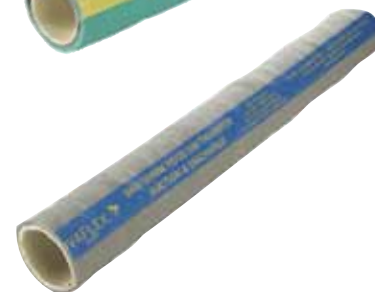
A lightweight flexible chemical transfer hose designed for almost every common industrial chemical used in industry today. Non-staining UHMW tube.



### UHMW Tube - Novaflex 6403 - UHMW Tube EPDM Food Suction & Discharge

Recommended for special applications that require smooth tubes and easy to clean surfaces.

Recommended for the food transfer application that demands flexibility and ruggedness with a clean white FDA ultra high molecular weight polyethylene grade tube. This food grade tube is odorless and tasteless for all those all purpose transfer applications. This ultra smooth microbe resistant tube is built on special stainless steel mandrels for cleanliness.



Authorized Distributor for

**NOVAFLEX**®



## PHARMACEUTICAL SILICONE HOSES

These silicone hoses are high purity platinum-cured and peroxide-cured silicone hoses are clean room produced for critical pharmaceutical, medical, cosmetic, and food applications.

The **SBX hose** is a medical grade silicone hose, great for use in a laboratory. Smoothbore Peroxide Cured Silicone Hose with Braid Reinforcement.

The **S4P hose** is a 4 ply reinforcement silicone hose that is ultra flexible and non-toxic. Smoothbore Platinum Cured Silicone Hose with 4 Ply Reinforcement.

Please call 1-800-361-5361 for more information.

Other silicone hoses available.

### Rubber Fab



SBX Hose



S4P Hose

# TANKS

Visit our web site at <https://www.harcosupply.com/tanks/>

Harco provides a range of tank accessories for enhancing the tank itself. These include machine and tank feet in a variety of constructions, door gaskets, peepsight gaskets, agitators, agitator seals, a broad selection of tank covers, and more. We distribute for Alfa Laval and Mueller and also offer parts and gaskets for many other brands including Cherry Burrell, De Laval, Crepaco, Walker and Damrow.

## Agitators

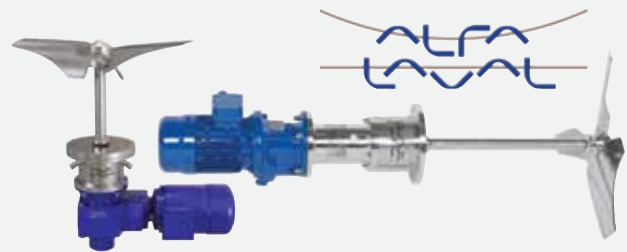
### Mueller Agitators

Mueller mixers feature more straight-grade 316 stainless steel than any competitive product line for years of durable service in CGMP environments. Mueller mixers are the perfect match for all of your sanitary mixing applications including pharmaceutical, cosmetic, food and beverage.



### Alfa Laval Agitators

Alfa Laval's side mounted agitator (ALS) and bottom mounted agitator (ALB) offers mixing solutions to meet any requirements in food, dairy, beverage, pharmaceutical, biotechnology and cosmetic applications.



## Spray Balls

### Alfa Laval Rotary Jet Heads

Alfa Laval Rotary Jet Heads enable processing and manufacturing companies to use the least amount of resources while achieving the most effective tank clean. Rotary jet heads are specifically engineered to use the pressure and flow available to create high impact cleaning jets. Automated and fluid-driven, these devices maximize mechanical force, which reduces the amount of time, temperature and cleaning solution needed to effectively clean.

It is designed for hygienic, biotechnology and pharmaceutical applications. Available in various sizes and different configurations covering any tank size.



## Alfa Laval Tank Covers

Alfa Laval offers more than 50 different types of oval, circular and rectangular covers, providing a quick, easy and convenient entry and access to tank interiors in the dairy, food, beverage, and biopharm industries.



## Manway Gaskets

Door Gaskets,  
Peepsight  
Gaskets and  
Agitator Seals



# FILTERS AND STRAINERS

Filters and strainers provide versatile, cost-effective filtration. Designed for maximum application flexibility within process filtering, especially where strainers of sanitary design are required. Stainless steel filters and strainers are ideally suited for use in sanitary processing applications within dairy, food, beverage, meat and poultry, pharmaceutical and other hygienic industries.

## Alfa Laval Streamline™ In-Line Filter/Strainer

Available in long and short models, Streamline™ filters and strainers provide versatile, cost-effective filtration. Designed for maximum application flexibility, the Streamline housing accepts a wide range of disposable filter and reusable strainer media. They are ideal for use in the dairy, food, beverage, meat and poultry, cosmetics, and pharmaceutical industries.



## Alfa Laval LKSF Slot Strainer

The LKSF has a wide range of applications within process filtering, especially where strainers of sanitary design are required. Both strainer types consist of a housing in three parts, LKSF-BL has housing in two parts (101.6 mm)(4") in which the strainer element is placed.



The housing is assembled by clamps, (the upper clamp ring has a wing nut for manual operation) for quick dismantling for cleaning. The strainer element is fitted centrally in the housing and has direct access to the end cover of same where a welded-on handle facilitates dismantling when cleaning is required.

## Alfa Laval LKVF

LKVF has a wide range of applications where removal of flow particles is required, e.g., for protection of a pump or other sensible equipment. The strainer consists of a casing with inlet and outlet. Inside the casing the filter element is fixed so that the flow is forced through it. This element consists of a perforated tube which is welded to a flange with a handle. This flange fits a ferrule on the casing to which it is clamped.



## Rodgers Side Discharge Filters & Strainers

Stainless steel filters and strainers are ideally suited for use in sanitary processing applications within dairy, food, beverage and other hygienic industries. A modular concept allows the process designer the ability to build a product tailored to the application's requirements.



Visit our web site at <https://www.harcosupply.com/filters-and-strainers/>

# Color Coded Hygienic Tools

Hygienic cleaning and material handling tools for pharmaceutical manufacturing environments. Tools that are precisely suited for the most complex cleaning tasks.

## UST Hand Brush - Stiff Bristle

Short handled hand brush is intended for use when cleaning conveyor belts, production lines, machinery and food preparation surfaces in high risk areas.

**Short Handle - Stiff Polyester Bristles - 2.9" W x 10" L**

White	Red	Yellow	Blue	Green	Pink	Orange	Purple
41795	41794	41796	41793	41792	41791	41797	41798



## UST Bench Brush

Soft bristles is ideal for sweeping fine dry particles from conveyor belts, food preparation surfaces, tables and equipment in high risk areas.

**Soft Bristles - 1.5" W x 13" L**

White	Red	Yellow	Blue	Green	Pink	Orange	Purple
45815	45814	45816	45813	45812	45811	45817	45818



## UST Floor Broom

Soft floor broom is effective for sweeping dry particles in high risk areas. Medium floor broom is effective for sweeping in dry or wet high risk areas. Requires Euro-Threaded handle, sold separately.

**Soft Bristles - 2" W x 15.25" L**

White	Red	Yellow	Blue	Green	Pink	Orange	Purple
31715	31714	31716	31713	31712	31711	31717	31718



## Hand Baker's Bench Brush

This is a dusting brush with a smooth, ergonomically designed handle. The soft bristles are designed for brushing dry, fine particles, such as dust, flour, icing sugar.

**Soft Polyester Bristles - 1.3" W x 13" L**

White	Red	Yellow	Blue	Green	Black	Pink	Orange	Purple	Grey	Brown	Lime
45875	45874	45876	45873	45872	45879	45871	45877	45878	458788	458766	458777



## Vikan Small Nail Brush

This is a nail brush that is designed for personal hygiene, but is also well-suited for a variety of purposes requiring a small brush that can reach into tight spaces for scrubbing. Brush can be affixed to the wash area with a stainless steel cable.

**Stiff Bristles - 2" W x 5" L x 1.5" D**

White	Red	Yellow	Blue	Green	Black	Pink	Orange	Purple
64405	64404	64406	64403	64402	64409	64401	64407	64408





## Plastic Scoop

**Remco**

These scoops are versatile and long-lasting. Tough, one-piece injection molded resilient polypropylene construction and meets FDA requirements. Material won't rust or corrode and can be sterilized. Convenient hook for hanging.

**32 oz. Scoop - 5" W x 11.5" L x 2.75" D**

White	Red	Yellow	Blue	Tan	Green	Pink	Orange	Purple	Grey	Brown	Lime
64005	64004	64006	64003	6400-TAN	64002	64001	64007	64008	640088	640066	640077

**82 oz. Scoop - 6.5" W x 15" L x 3.5" D**

White	Red	Yellow	Blue	Tan	Green	Pink	Orange	Purple	Grey	Brown	Lime
65005	65004	65006	65003	6500-TAN	65002	65001	65007	65008	650088	650066	650077



## Mega Scoop

**Remco**

This mega scoop/dipper is great for handling bulk materials and extremely durable. It has no seams or cracks to help prevent bacterial growth. Measure in liters, UK gallons, and US gallons. Ideal for material handling when reach is needed. Meet FDA requirements.

**128 oz. Scoop - 12" W x 8" D x 7" H**

White	Red	Yellow	Blue	Tan	Green	Orange
65505	65504	65506	65503	6550-TAN	65502	65507



## Tank Brush

Oval-shaped brush is ideal for cleaning tanks and vats, and is also suitable for cleaning drain gulleys. Use with any European-thread handle from Vikan, sold separately.

**Soft Polyester Bristles - 5.5" W x 8" L**

White	Red	Yellow	Blue	Green
70395	70394	70396	70393	70392



## Vikan Angle-Adjustable Waterfed Washing Brush

This unique brush has split fiber bristles to absorb liquid so that the user is able to efficiently carry soapy water from bucket to the surface to be cleaned. The bristles are soft enough for sensitive surfaces, and the waterfed design makes it excellent for rinsing after foaming. It is also commonly used as a dusting brush.

**Soft Bristles - 2.75" W x 9.25" L**

White	Red	Yellow	Blue	Green
70675	70674	70676	70673	70672



## Wide Valve Brush With Stainless Steel Wire

This valve brush is great for cleaning small pipes and very narrow spaces between machine parts. The bristles are attached to a helically wound stainless steel shaft which makes it strong and chemically resistant. One-piece with a polypropylene hand grip.

**2.0" Dia. - Medium Bristles - 20" OAL**

White	Red	Yellow	Blue	Green
53795	53794	53796	53793	53792



## Narrow Dish Brush

This Narrow Dish Brush is great for cleaning dishes and small areas on equipment. The raised angle of the grip promotes quick and effective cleaning because the operator's hand and arm are in the ergonomically correct position.

**Medium Bristles - 0.9" W x 11" L**

White	Red	Yellow	Blue	Green
42875	42874	42876	42873	42872



## Small Utility Brush

This small, light-weight brush has a broad head and an ergonomically angled handle. Design raises user's hand from the cleaning surface, reducing the risk of injury. Suitable for cleaning small surface areas, tables, pots and cutting boards.

**Medium Polyester Bristles - 1.5" W x 10.5" L**

White	Red	Yellow	Blue	Green
30885	30884	30886	30883	30882



## Hand Scraper

**Remco**

This color-coded small hand scraper is an excellent solution to your bench top scraping needs. They are perfect for pans, vats, tables and counter tops. One-piece design moulded from sturdy polypropylene with no seams or cracks, which helps prevent bacterial growth. Tapered handle and thumb indentation for strong grip.

**Large Scraper 4 3/8" W x 9 3/4" L**

White	Red	Yellow	Blue	Green	Black	Pink	Orange	Purple	Grey	Brown	Lime
69625	69624	69626	69623	69622	69629	69621	69627	69628	696288	696266	696277



## Mixing Paddle Scraper

One-piece polypropylene construction is ideal for mixing or scraping in many food manufacturing applications. Compatible with product temperatures up to 176°F constant and 212°F intermittent. Meets FDA requirements.

**40" Solid**

White	Red	Yellow	Blue	Green
67755	67754	67756	67753	67752



## Mini Bench Scraper

**Remco**

This color-coded mini bench scraper is an excellent solution for your bench top scraping needs. The scraper's hygienic, solid one-piece construction design has no seams or cracks, which helps prevent bacterial growth.

**Mini Bench Scraper 5.25" W x 3.375" H**

White	Red	Yellow	Blue	Green	Black	Pink	Orange	Purple	Grey	Brown	Lime
69595	69594	69596	69593	69592	69599	69591	69597	69598	695988	695966	695977



## Single Blade Ultra Hygiene Bench Squeegee

This one-piece, single-blade squeegee with ultra-hygienic design is ideal for removing water or food debris from food contact surfaces, and especially effective in areas requiring the highest level of hygiene. A splash guard helps prevent water from reaching the dried surface.

**10" Blade - Bench Squeegee with 6.5" mini handle 28" Blade**

White	Red	Yellow	Blue	Green	Pink	Orange	Purple
71255	71254	71256	71253	71252	71251	71257	71258



## OUR CAPABILITIES



**Harco is a Peterborough-based company that is a leader in the supply, design, fabrication and repairs of sanitary components and stainless steel equipment for the pharmaceutical, food, dairy, brewery, and beverage processing industries.**

We are proud to provide quality service and support to customers throughout North America since 1964. Offering high quality brands and materials, our custom work is of the highest quality and we ensure it is upheld from start to finish.

Harco offers a full range of sanitary stainless steel processing equipment, from pumps and valves, mixers and blenders to homogenizers and separators and custom fabrications. We back what we sell by offering extensive parts, repairs and customer support.

*We're committed to creating forward-thinking solutions that drive your bottom line and keep your business top of mind.*

**Visit our website for more information at  
<https://www.harcosupply.com/capabilities/>**





# Product Line Card

Supply House to the Processing Industries Since 1964

Harco partners with leading manufacturers in the industry to bring you an innovative range of sanitary and hygienic processing equipment and supplies. With experience in design, manufacturing and support, our partners are selected for their quality, reliability, and advanced products.



[www.harcosupply.com](http://www.harcosupply.com)

