

**1-800-361-5361 • 705-743-5361 • sales@harco.on.ca • www.harcosupply.com**

## PHARMACEUTICAL PUMPS

Authorized Distributor For...



### Alfa Laval LKH UltraPure

Alfa Laval LKH UltraPure delivers maximum uptime, optimal efficiency and process safety for the most demanding pharmaceutical applications. 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

### Alfa Laval LKH Prime UltraPure

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.



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

### Alfa Laval SX UltraPure

The Alfa Laval SX UltraPure is designed specifically for transporting sensitive liquids efficiently and effectively. Made for the hygienic and ultra-clean applications of the biotechnology and pharmaceutical industries.



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

### Alfa Laval SolidC UltraPure

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.



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

### Alfa Laval Twin Screw Pump

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.

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.



## BLENDING SOLUTIONS

### DRY-blend system offers efficient and thorough blending of wet and dry ingredients. Replacement for Tri-Clover Blender.

A proven tube within a tube design – powered by an Ampco AC+ centrifugal pump – eliminates foaming, lumping and fisheyes while delivering consistent blending with every batch.

All wetted components are 316L stainless steel. Easy-to-maintain and operate, the DRY-blend system is suitable for food, dairy, beverage, pharmaceutical, personal care, and chemical applications.

#### DRY-blend Features:

- Customizable options: carts, tables, belt drive with base controls
- Easily integrated into existing process systems



FOR MORE INFO, VISIT OUR WEBSITE AT <https://www.harcosupply.com/dry-blend/>

## PHARMACEUTICAL VALVES



### Unique Mixproof UltraPure

The Alfa Laval Unique Mixproof UP 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.

#### Benefits

- Modular, high-purity design
- Cost-effective, spillage-free operation
- Optimized plant efficiency and enhanced cleanability
- Leakage detection and leakage chamber cleaning



### LKB UltraPure Butterfly

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.

#### 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



### Unique DV-ST UltraPure Diaphragm

The Alfa Laval 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.



### LKC UltraPure Non-return

The Alfa Laval LKC UltraPure Non-Return Valve is designed for single directional product flow, meeting the demands of high-purity applications across the biotechnology, pharmaceutical and personal care industries.

#### Benefits

- Highly reliable, self-acting valve and easy to install
- Protects process equipment and prevents reverse flow
- Full transparency & traceability of the entire supply chain due to the Alfa Laval Q-doc documentation package





## PHARMACEUTICAL VALVES

Authorized Distributor For...

### Alfa Laval Unique Sampling

With Unique Sampling Valves you can take representative samples in a variety of hygienic processes including 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.



**Tetra Pak**



### Alfa Laval Ball Valve UltraPure

Ball Valve UltraPure is ideal for applications requiring a full flow body design to minimize line turbulence and pressure drop. Seat with cavity filler is standard offering for critical process applications requiring minimum risk for product entrapment.



## BÜRKERT DIAPHRAGM VALVES

Authorized Distributor

**bürkert**  
FLUID CONTROL SYSTEMS

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



## 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 µ, either electropolished or mechanically polished. Fittings in this range comply with ASME BPE dimension standards.



**Tri-Clover Inc.**



## 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. Our dedication to quality is not only evident in our products, but also in our customer service.

- 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)



## HEAT EXCHANGERS

Authorized Alfa Laval & Tetra Pak Distributor



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.



### 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.



### Plates & Gaskets For All Makes

For Heat Exchangers and Regasketing For All Makes



FOR MORE ON HEAT EXCHANGERS, 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

## CFIA APPROVED SANITARY LUBRICANTS

For All Incidental Food Contact Food Processing Equipment



**Haynes Spray**  
A light duty lubricant for fast application.

**Haynes Lubri-Film**  
A heavy duty lubricant.



**Haynes Silicone Spray**



Lubricating grease and oils with high load bearing, low friction properties for all incidental food contact food processing equipment.

Enquire today for a complete list of information and applications for these lubricants, along with many of our other lubricants available!!

CALL 1-800-361-5361 or VISIT  
<https://www.harcosupply.com/lubricants/>

**Harco Sanitary Spray HL-7**  
Contains no animal or vegetable fats.



**Petro-Gel**  
Purist of lubricants!

**No. 1 Sanitary Lubricant Used In The Dairy Industry And Soft Serve Machines**  
Absolutely Tasteless & Odorless!

## 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.

Other silicone hoses available. Please call 1-800-361-5361 for more information.



**SBX Hose**

### Rubber Fab



**S4P Hose**

## GASKETS

**Large Inventory, Competitive Prices!**

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.**

## WASH DOWN EQUIPMENT

**Reduce Water Consumption AND SAVE!!**

### ARCHON

**Heavy Duty Rear Trigger Spray Nozzles**

**MODEL: RT12**

Available in both bronze and stainless steel, with cover options including black, red and 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



### Strahman

**Low Flow Nozzles**  
**HYDRO-PRO-150 NOZZLE**

Black, white, or red.

**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.



### 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.



# COLOUR CODED BRUSHES, MATERIAL HANDLING AND JANITORIAL PRODUCTS



Deck-Wall Scrub Brushes



Ultra Hygiene Squeegees



Plastic Scoops



Hand Scrapers



Scrub Hand Brushes



Tank Brushes



Hand Scrapers



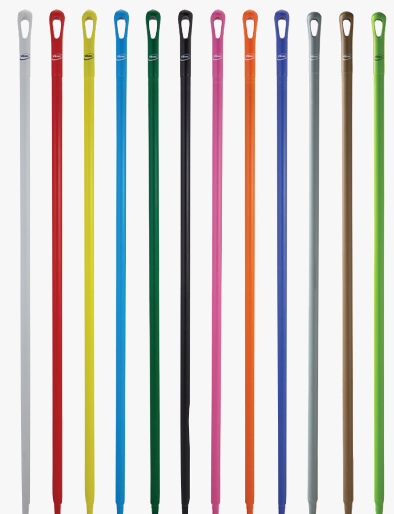
Omni Floor Sweep



Floater Hand Scrub Brushes



OmniFit Mop Buckets & Wringer



Ultra Hygiene Polypropylene Euro-Thread Handles



Flat-Sided Pails & Lids



Plastic Shovels





- Plate Heat Exchangers
- Valves
- Separators
- Gaskets
- Pumps



## Brushes

- Sparta Brushes
- Stainless Steel Sponges
- Nylon Scouring Pads
- Squeegees
- Janitorial Supplies



## bürkert

FLUID CONTROL SYSTEMS

- Sanitary & Utility Valves
- The Universal Control Top For Hygienic Process Valves



## Gaskets & Fittings

- Sanitary (Bevel Seat)
- Alloy Products
- Cherry Burrell
- G&H-Clamp & Flat Seat
- John R. Perry Sanitary
- Tri-Clover (Clamp)
- DeLaval
- Clamp Fittings
- Weld Fittings
- NPT Fittings
- S S Tubing



- Homogenizers & Parts
- Plate Heat Exchangers
- Separators

## Hose & Tubing

- Steam Hose
- Instrumentation Tubing
- Sanitary Hose for Food & Beverage Applications
- Food Master Sanitary Hose



## Lubricants

- Haynes Sprays
- Lubri-Film
- Petro Gel
- CIP Lube
- Harco HL-7
- Moovit Sprays



## Blending & Mixing Systems

- Powder Mixers
- Dry & Liquid Blenders
- Shear Blenders
- Dry Hopping Units
- Twin Screw Pumps



## Pails & Utensils

- Stainless Steel Containers
- Stainless Steel Sanitary Pails
- Scoops & Dippers
- H-Duty Sanitary Shovels
- Pitch & Cheese forks and more...



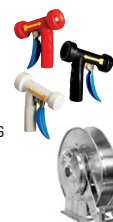
## Pumps & Parts

- Alfa Laval
- Ampco
- APV
- DeLaval
- Fristam
- G&H Centrifugal Pumps and Parts
- Jabsco
- Tetra Pak
- Tri-Clover
- Waukesha



## Washdown Equipment

- Mixing Units
- Hose Stations
- Hose Assemblies
- Water Saver Nozzles
- Hose Racks
- Hose Accessories



Strahman ARCHON

## Ampco Pumps

- ZP1, ZP2 & ZP3 SERIES Pumps - All Stainless Steel Gear Case!
- LC/LD/LF Series Pumps
- AC + Series Pumps
- Master Distributor for Ampco



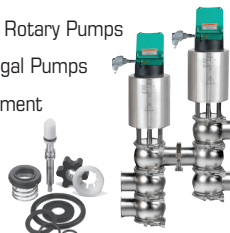
## Thermometers & Gauges

- Thermometers
- Sanitary Instrumentation
- Homogenizer Gauges
- Sani-Flow Gauges
- Digital Thermometers



Tri-Clover Inc.

- Positive Rotary Pumps
- Centrifugal Pumps
- Replacement Parts
- Valves
- Fittings



## Miscellaneous

- Cleaners
- Pads & Sponges
- Kettles
- Aprons
- Disinfectant Mats
- Plastic Shovels
- Tools & Accessories
- Recorder Charts
- Pens



## Spare Parts for All Makes

- Homogenizers & Parts
- Heat Exchangers
- Pumps
- Valves
- Blenders
- Tuchenhausen



**Harco distributes equipment and replacement parts for the following lines:**



DeLaval



Tri-Clover Inc.



Rubber Fab



WILDEN



WEARWELL



The Right Connection

NOVAFLEX



COLUMBIA PRODUCTS



Endress+Hauser



SPARX SARCO



REMCO PRODUCTS



Ampco Pump Company

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

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