





# 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, 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.

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## SANITARY PUMPS

Harco is a leader in sizing and supplying pumping technology for hygienic processing. Our sanitary pumps are specifically designed to meet the strict requirements of industries where cleanliness and reliability are essential. Built for efficiency, they save energy while increasing productivity.

A sanitary pump is at the heart of every processing system. Harco offers a superior selection of pumps, ensuring that your system is matched to the exact needs of your application. Our pumps and installation materials provide solutions for every stage of processing—almost certainly including the one you need.

We supply a wide range of sanitary pumps to the food, dairy, beverage, and pharmaceutical industries. Harco is a proud distributor for **Alfa Laval** and **Ampco Pumps**. In addition, we provide pumps and replacement parts for leading brands including **FLUX**, **Murzan**, G&H Pumps, Crepaco, APV/SPX Pumps, Waukesha, Tri-Clover, Wilden, Jabsco, Fristam, LC Thomsen, and more.

**Centrifugal (pg. 6)** Centrifugal pumps are ideal for general applications such as water transfer, intermittent product pumping, emptying tanks and drums, and clean-in-place (CIP) operations.

**Positive Displacement (pg. 11)** Our positive displacement pumps are designed for handling low-, medium-, and high-viscosity media with precision and reliability.

**Twin Screw (pg. 14)** Twin screw pumps are versatile and can be tailored to your process requirements, handling a range of viscosities, temperatures, working pressures, and speeds.

**Air-Operated Double Diaphragm Pumps (pg. 15)** Air-operated double diaphragm pumps offer a safe and efficient way to transfer a wide range of products.

**Custom Pump Carts (pg. 16)** Harco designs durable, mobile Centrifugal and PD pump carts built to spec for food, dairy, beverage, brewery, and pharmaceutical use, with options for motors, drives & VFD's.

**Drum & Container Pumps (pg. 18)** Drum and container pumps handle a wide range of applications, from low- to high-viscosity fluid transfer, and are designed for easy dismantling and cleaning.



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## CENTRIFUGAL PUMPS

### Alfa Laval LKH Series Pumps

The Alfa Laval LKH Series is an efficient and economical centrifugal pump designed to meet the highest standards of hygienic operation, gentle product handling, and chemical resistance. Available in a wide range of sizes, the Alfa Laval LKH Series provides the right fit for virtually any centrifugal pumping need.

With the shaft seal positioned outside the pump, hard-to-clean components never come into direct contact with the product. Its front-loading design allows quick and easy seal replacement, reducing downtime and lowering maintenance costs, while interchangeable single, flushed, and double seals help simplify spare parts inventory.

The precision-engineered impeller ensures efficient flow and gentle handling, maintaining product integrity while minimizing NPSHr (Net Positive Suction Head required).

**For Alfa Laval LKH pumps or replacement parts, contact Harco Enterprises.**



### Alfa Laval LKH Prime Pumps

The Alfa Laval LKH Prime is a highly efficient, versatile, and hygienic self-priming pump that combines advanced air-screw technology with innovative design to meet the most demanding requirements across industries such as food, dairy, beverage, pharmaceutical, and home and personal care.

With the ability to effectively remove air from the suction line, the Alfa Laval LKH Prime delivers quiet operation and exceptional pumping efficiency, making it ideal for tank emptying and CIP return applications. Its verified cleanability also makes it suitable for use as a product pump, providing flexibility and reliability in one solution.

The Alfa Laval LKH Prime is available with an external single or double mechanical shaft seal, both featuring stationary seal rings in stainless steel AISI 329 with silicon carbide sealing surfaces, and rotating seal rings in carbon. This durable configuration ensures long service life and reliable performance.

Designed for easy maintenance, the Alfa Laval LKH Prime shares common parts with other pumps in the Alfa Laval LKH range, lowering overall cost of ownership and maximizing uptime. Supported by Alfa Laval's global service network, it offers both performance and peace of mind.

**For Alfa Laval LKH Prime pumps or replacement parts, contact Harco Enterprises.**



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

## Alfa Laval LKHPF Pumps

The Alfa Laval LKHPF is a high-pressure, high-efficiency centrifugal pump specifically engineered for demanding filtration applications. Combining precision design with a premium motor, tight tolerances, and an advanced impeller, the Alfa Laval LKHPF delivers superior energy efficiency compared to similar premium pumps. Its optimized construction minimizes recirculation, reduces energy consumption, and ensures reliable long-term performance.

Built to handle inlet pressures up to 40 bar and designed for full Cleaning-in-Place (CIP) compatibility, the Alfa Laval LKHPF pump is ideal for use in filtration systems across industries including food, beverage, home and personal care, biotechnology, and pharmaceuticals. It provides gentle product handling while increasing overall process productivity.

The Alfa Laval LKHPF range is available in nine sizes, with capacities up to 280 m<sup>3</sup>/h and differential pressures up to 11 bar at 50 Hz, making it a versatile and efficient choice for high-pressure filtration.

***For Alfa Laval LKHPF pumps or replacement parts, contact Harco Enterprises.***

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



## Alfa Laval LKH Multistage Pumps

The Alfa Laval LKH (LKHM) Multistage is a hygienic centrifugal pump designed to 3-A standards and available in two-, three-, or four-stage models. Engineered to save space and energy, the Alfa Laval LKH Multistage can replace up to three booster pumps in a line, making it ideal for high-pressure applications with lower-capacity requirements as well as a wide range of filtration processes.

Built to withstand system pressures up to 40 bar, these pumps deliver differential pressures up to 19 bar at 50 Hz. Fully CIP-compatible, they meet the stringent hygienic requirements of industries such as dairy, food and beverage, personal care, biotechnology, and pharmaceuticals.

Models including the Alfa Laval LKH-110, LKH-110P, and LKH-120P combine precision engineering with an optimized multistage design to ensure high energy efficiency, gentle product handling, and reliable operation. A premium motor, advanced impeller, and tight tolerances minimize recirculation, reduce energy consumption, and increase process productivity.

***For Alfa Laval LKH Multistage pumps or replacement parts, contact Harco Enterprises.***

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





## Alfa Laval Solid C Series Pumps

The Alfa Laval Solid C is a standard-duty centrifugal pump designed for basic transport duties in hygienic applications across the food, dairy, beverage, and pharmaceutical industries. With its cost-effective operation, hygienic design, and quick, easy maintenance, the Solid C delivers reliable performance and an excellent return on investment.

Engineered for consistent operation and maximum cleanability, the Solid C features a carefully designed pump interior that controls surface contamination and incorporates O-rings with defined compression. The pump is fully compliant with 3-A, CE, FDA, and EHEDG requirements, ensuring a high level of hygiene.

A semi-open impeller provides gentle product handling, while smooth, crevice-free surfaces eliminate dead zones where bacteria could accumulate. FDA-approved elastomers further enhance product safety, while the easy-to-clean design simplifies maintenance and supports long-term reliability.

**For Alfa Laval Solid C pumps or replacement parts, contact Harco Enterprises.**

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



## AMPCO AC/AC+ Series Pumps

The Ampco AC+ Series provides a cost-effective solution for a wide range of sanitary pumping applications in the food, dairy, beverage, and pharmaceutical industries. Based on the proven AC Series, the Ampco AC+ features an improved shaft design while maintaining the same hydraulic performance and external dimensions. Fully compliant with 3-A sanitary standards, these pumps deliver reliable, hygienic performance.

### Key benefits of the Ampco AC+ Series include:

- Clamped stub shaft and threaded impeller nut for more stable performance
- Identical external dimensions to AC pumps—no need to change piping
- Hydraulic performance identical to AC pumps
- 316L stainless steel construction with a durable adapter
- 100% interchangeable parts with competing brands

**For Ampco AC/AC+ pumps or replacement parts, contact Harco Enterprises.**

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



## AMPCO CB+ Series Pumps

The Ampco CB+ is a centrifugal pump with an internal mechanical seal, designed specifically for brewing and distilling applications. Its internal seal design allows for thorough cleaning, prevents liquid pooling on the seal, and supports greater seal pressure with reduced leakage.

Like the Ampco AC+, the CB+ features a shaft collar and threaded impeller nut. The shaft collar clamps evenly around the drive shaft to eliminate wobble caused by traditional set screws, while the threaded impeller nut replaces the standard impeller pin found in most C-Series pumps, securing the impeller more reliably.

For improved cleanability, the Ampco CB+ employs two specialized gaskets that seal the shaft and allow CIP procedures to clean behind the impeller. Together, the collar and bolted impeller design minimize rattling at lower speeds, delivering stable, dependable performance for breweries and distilleries.

**For Ampco CB+ pumps or replacement parts, contact Harco Enterprises.**

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



## AMPCO LC/LF/LD Series Pumps

The Ampco LC, LF, and LD Series pumps are designed to be fully interchangeable with Fristam's FPX, FPR, and FP models, offering identical hydraulic performance and functionality at a competitive value. Built with heavy-duty cast construction, high efficiency, and a 304 stainless steel adapter, all models meet 3-A sanitary standards, ensuring hygienic and reliable operation in demanding applications.

**AMPCO LC** - The LC Series is a proven design with a single mechanical seal, ideal for gentle, efficient applications such as dairy and beverage processing.

**AMPCO LD** - The LD Series is a close-coupled version of the LC, featuring a double mechanical seal. It is well suited for abrasive or volatile products and for use in vacuum applications.



LC Series Pump



LF Series Pump

**AMPCO LF** - The LF Series features a unique front-loading seal for easier maintenance and superior cleanability. Balanced impellers, a self-aligning shaft design, and tight manufacturing tolerances minimize vibration, extend seal life, and provide dependable performance, making the LF the preferred choice for challenging or difficult-to-handle products.

**For Ampco LC, LF, or LD pumps and replacement parts, contact Harco Enterprises.**



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

## AMPCO SP Series Self-Priming Liquid Ring Pumps

Harco offers the Ampco SP Series self-priming liquid ring pumps, ideally suited for products with entrained air and for CIP return applications. Entrained air is a common cause of noise, vibration, seal failure, reduced performance, or even complete pump failure. The ability of the SP Series to handle products with entrained air makes these pumps extremely efficient for emptying tanks and drums.

Designed to manage entrained air conditions while maintaining specified performance and efficiency levels, the SP Series is built with extremely tight manufacturing tolerances. A unique vane-shaped or wagon-wheel style impeller allows the SP to handle shear-sensitive products efficiently while maintaining peak pump performance.

Ampco's SP Series pumps include a 304 stainless steel adapter for corrosion resistance and conform to 3-A sanitary standards. They are available with either single or double external mechanical seals, ensuring reliable performance in demanding applications.

**For Ampco SP Series pumps or replacement parts, contact Harco Enterprises.**

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



Ampco Pumps Company



## AMPCO H Series Pumps

The Ampco H Series sanitary centrifugal pumps deliver high-capacity performance with hygienic design, durable 316L stainless steel construction, and balanced impellers for efficiency and reliability. Featuring a one-size seal design for all models, they reduce costs and simplify maintenance while being 100% interchangeable with competing 200 Series pumps for easy upgrades. Available in 8 models, the H Series is ideal for dairy, beverage, and food processing applications such as milk, cream, juices, purees, syrups, and emulsions.

### Features:

- One size seal design for all models
- Low-volume, standard & high-volume options
- Close-coupled on JM frame motors
- Easy assembly & maintenance
- CIP-capable for sanitary cleaning
- High efficiency, low NPSH requirements

Ampco Pumps Company

**Performance:** Flow up to 1300 GPM/295 m<sup>3</sup>/hr | Viscosity up to 500 cP  
| Pressure up to 340' /147 PSI/10 BAR | Temp up to 400°F/203°C | Seal Options: 3

**For Ampco H Series pumps or replacement parts, contact Harco Enterprises.**

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





## POSITIVE DISPLACEMENT PUMPS

### Alfa Laval SRU Series Pumps

The Alfa Laval SRU rotary lobe pump is engineered to deliver reliable performance, trouble-free operation, and superior energy efficiency for demanding hygienic applications. The contamination-proof pump is designed for low-shear, low-pulsation operation and handles both Cleaning-in-Place (CIP) and Sterilization-in-Place (SIP) processes with ease.

Its modular design provides flexibility to configure the pump to meet specific process requirements. The Alfa Laval SRU features an R90 external shaft seal available in various materials and configurations to ensure the correct seal for the application. Alternatively, it can be fitted with Hyclean mechanical seals or other specialized seal solutions.

Available in a range of models and capacities with horizontal or vertical porting, the Alfa Laval SRU also offers options such as standard or custom seals, heating/cooling saddles and jackets, an integrated pressure relief valve, and a rectangular inlet for high-viscosity fluids.



**For Alfa Laval SRU pumps or replacement parts, contact Harco Enterprises.**

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

### Alfa Laval DuraCirc® Pumps

The **Alfa Laval DuraCirc®** and **Alfa Laval DuraCirc® Aseptic** are revolutionary circumferential piston pumps for hygienic and aseptic applications. They deliver the perfect balance of durability, reliability, high efficiency and superior hygienic performance. Combined with a broad range of flow rates and pressures along with capabilities for simple service, both Alfa Laval DuraCirc® and DuraCirc® Aseptic keep your processes up and running.

The Alfa Laval DuraCirc® and Alfa Laval DuraCirc® Aseptic circumferential piston pumps (CPP) deliver it all – high volumetric efficiency, EHEDG and 3-A conformance, and quick and easy service. Alfa Laval DuraCirc® Aseptic is engineered for aseptic process applications in the dairy, food and beverage industries, primarily for packaging where extended shelf life is required.

Simplify service in terms of complexity and time with user-friendly features including a truly front-loading, self-setting single mechanical seal, use of a single long-life oil lubricant, and external shimming.

- **Alfa Laval DuraCirc®** has high process flexibility and reduced capital costs due to the broad range of model sizes, flow rates and pressures
- **Alfa Laval DuraCirc® Aseptic** is truly aseptic with the ability to provide a steam barrier on all interfaces between the product media and the outside atmosphere



**Alfa Laval DuraCirc® Aseptic**

**For Alfa Laval DuraCirc® or DuraCirc® Aseptic pumps or replacement parts, contact Harco Enterprises.**

Visit our web site at <https://www.harcosupply.com/pumps/positive-displacement/alfa-laval-duracirc-pumps/>

## AMPCO ZP1 & ZP2 Series Pumps

The **Ampco ZP1 pump** is an industry workhorse with a proven design and nine models to suit a wide range of applications. Known for its versatility and durability, the Ampco ZP1 is ideal for both sanitary and non-sanitary industrial and chemical applications, including oil, gas, and fracking industries. With options such as a PTFE double-lip seal, the Ampco ZP1 is capable of handling the toughest conditions while maintaining conformity with 3-A sanitary standards.

The **Ampco ZP2 Series** builds on this reliability with a stainless steel gearcase, enclosed rotor nuts, and CIP compatibility. Designed to withstand higher pressures, it features large 17-4ph stainless steel shafts and is capable of operating at pressures up to 500 PSI. The Ampco ZP2 is also 3-A certified, making it suitable for hygienic applications requiring robust performance.



Ampco Pumps Company

**For Ampco ZP1 or ZP2 pumps or replacement parts, contact Harco Enterprises.**

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

## AMPCO ZP3 Pumps

The patented **Ampco ZP3 pump** is engineered for Cleaning-in-Place (CIP) without modifications or loss of efficiency. Its front-loading seals allow for fast and easy maintenance without requiring disconnection from the piping.

The unique rotor case eliminates all dead zones within the pump, making the Ampco ZP3 the top CIP choice among sanitary positive displacement pumps. The pump is EHEDG-certified, conforms to 3-A standards, and meets the ATEX Directive for safe operation in hazardous environments. Front-loading seals positioned closer to the product flow further enhance CIP capability without disassembly.

The Ampco ZP3 is mounted on a Ampco ZP2 gear case, including shafts, to maximize parts interchangeability. Existing Ampco ZP2 pumps can be upgraded to the Ampco ZP3 design with new rotors, seals, and re-machining of the existing rotor case, offering a cost-effective path to improved hygiene and maintainability.

**For Ampco ZP3 pumps or replacement parts, contact Harco Enterprises.**



Visit <https://www.harcosupply.com/pumps/positive-displacement/zp-series-pumps/zp3-series-pumps/>

## AMPCO ZP 4 Series Pumps

### *The Most Compact Circumferential Piston Pump in the Industry*

Harco proudly presents the **Ampco ZP4 Series** positive displacement pump, a compact engineering marvel designed for precision, reliability, and efficiency in positive displacement applications. In the category of sanitary pumps, the Ampco ZP4's compact design stands out, delivering optimal performance for low-flow and dosing applications.

What truly distinguishes the Ampco ZP4 Series is its innovative ZERO rotor-to-rotor contact design combined with robust stainless-steel construction. This ensures both enhanced durability and a reliable, efficient pumping process.

Additionally, the Ampco ZP4 circumferential piston pump is engineered to eliminate any potential product zone contamination arising from pump wear, making it ideal for applications where maintaining product integrity is critical. Compact, efficient, and contamination-free, the Ampco ZP4 Series represents the pinnacle of positive displacement pump design from Ampco.

**For Ampco ZP4 pumps or replacement parts, contact Harco Enterprises.**

Visit <https://www.harcosupply.com/pumps/positive-displacement/zp-series-pumps/zp4-series-pumps/>



## MAGTRAP MODEL 135

### **CESCO™ In-Line Magnetic Separators**

For liquids, purees, and non-fragile solids

The USDA-approved **Cesco MAGTRAP** is a top choice for liquid and slurry applications, effectively capturing contaminants with intense magnetic fields. Designed for chunks up to 0.5", it features a removable base for easy cleaning and optional water jackets. Made from 316 stainless steel with rare earth magnets (up to 300°F).

Ideal for beverages, sauces, minced meats, syrups, and more, it protects pumps, screens, and mills while ensuring product quality.



## COP PARTS BASKETS

Harco offers **Sani-Matic COP Parts Baskets** to improve your Clean-Out-of-Place (COP) cleaning process. These baskets secure components during wash cycles, reducing damage and loss while improving operator safety and handling efficiency.

As hygiene standards and production demands grow, pairing your COP system with the right accessories—like these durable, easy-to-use baskets—is a smart way to maximize uptime and protect valuable parts. The second number in each model (e.g., URWB-7-18 has an 18" handle height) indicates the basket's handle height.





## TWIN SCREW PUMPS

### Bornemann SLH Series Pumps

The **Bornemann SLH Series** represents the industry leader in twin screw pump technology. Available in three configurations—the **SLH-4U standard model**, the **SLH-4G premium design**, and the **SLH-5G next-generation dual-duty model**—these pumps are 3-A and EHEDG certified for sanitary applications, delivering exceptional performance across demanding processes.

The SLH Series handles products with viscosities up to 1 million cP, pressures over 360 PSI (25 bar), flow rates exceeding 1,300 GPM (300 m<sup>3</sup>/h), and solids up to 2.3" (58 mm) in size. Engineered for gentle handling of soft solids and viscous products, the SLH operates virtually pulsation-free. Its dual-duty capability allows both processing and Cleaning-in-Place (CIP) without additional pump requirements.

***For Bornemann SLH pumps or replacement parts, contact Harco Enterprises.***



Visit our web site at <https://www.harcosupply.com/bornemann-slh-series/>

## AIR-OPERATED DOUBLE DIAPHRAGM PUMPS

### MURZAN PI-50 PUMPS

#### The Murzan PI 50 Sanitary Pump Gently Handles the Widest Range of Viscosities and Particle Sizes Up to 6" (15 cm).

Harco offers the Murzan PI-50 diaphragm pump, the only pump specifically designed to meet the exact requirements of the sanitary industries such as the food and beverage, meat poultry and seafood, cosmetic, pharmaceutical and biomedical industries.

The **Murzan PI-50 air-operated double diaphragm pump** is built entirely of the highest quality stainless-steel. The calculated design of the PI-50 allows for easy and complete disassembly to provide total visual inspection of all wetted parts.

Each Murzan PI-50 diaphragm pump is equipped with the high efficiency, non-lubricated, oil-free air valve, ensuring the most sanitary environment for your plant and your product. User safe and efficient transfer of foods, cosmetics and pharmaceuticals — USDA listed, FDA approved, the Murzan PI-50 Series is manufactured to meet general 3-A standards.

#### Construction

**PI-50 DL — 304 SS Wetted Parts**

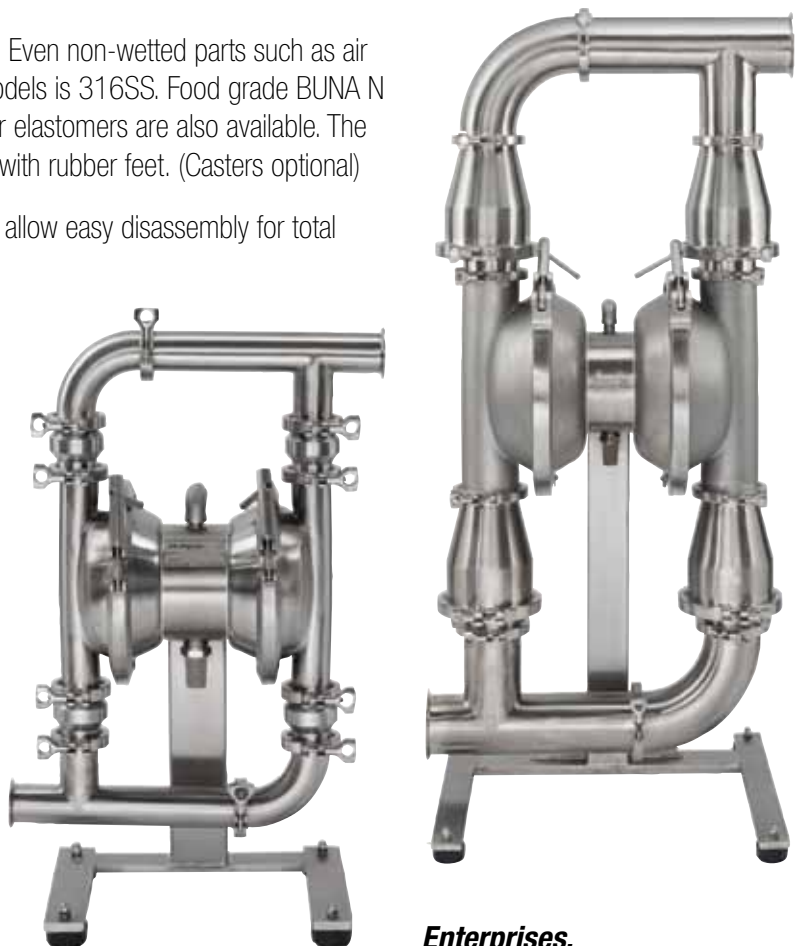
**PI-50 SL — 316L SS Wetted Parts**

All wetted parts polished to number 4 finish — 180 grit. Even non-wetted parts such as air chambers are also polished. Valve center block on all models is 316SS. Food grade BUNA N is standard for diaphragms, gaskets and valve balls; other elastomers are also available. The base is constructed of polished 304SS and is equipped with rubber feet. (Casters optional)

- **TOTAL VISUAL INSPECTION** - Sanitary tri-clamps allow easy disassembly for total visual inspection of all wetted parts.
- **HIGH FLOW CHECK VALVES** - High flow, maintenance free check valves can handle any variety of product, from the most viscous products to the more delicate solids and semi-solids.
- **NON-LUBRICATED AIR VALVE** - Non-lubricated oil free air valve ensures the most sanitary plant environment.
- **CIP READY** - Full Clean-In-Place (CIP) capability

**For Murzan PI-50 diaphragm pumps or replacement parts, contact Harco**

**MURZAN**  
PUMPS & PROCESSING SYSTEMS



**Enterprises.**

Visit <https://www.harcosupply.com/pumps/air-operated-double-diaphragm-pumps/murzan-pi-50/>

## PUMP CARTS

### Custom Portable Sanitary Centrifugal & PD Pump Carts

Harco offers highly **customized centrifugal and positive displacement (PD) pump carts** built precisely to your specifications. We design, fabricate, and supply sanitary pump carts for pharmaceutical, food, dairy, brewery, and beverage processing applications.

Harco's custom-built centrifugal and PD pump carts are lightweight yet robust, constructed from corrosion-free 304 stainless steel tubing and durable, corrosion-resistant polypropylene wheels for maximum mobility. Each cart is versatile and can be configured to include any of our centrifugal pumps with LENZE VFDs, tailored to your exact requirements.

Ergonomically designed for ease of use in tight spaces and built to withstand harsh working environments, our pump carts provide reliable, long-lasting performance in any application.

***Contact Harco to discuss your specific application requirements, options, and pricing.***



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



## MOTORS, DRIVES & VFD'S

### Stainless Steel Motors, Inline Gear Motors & Drive Units

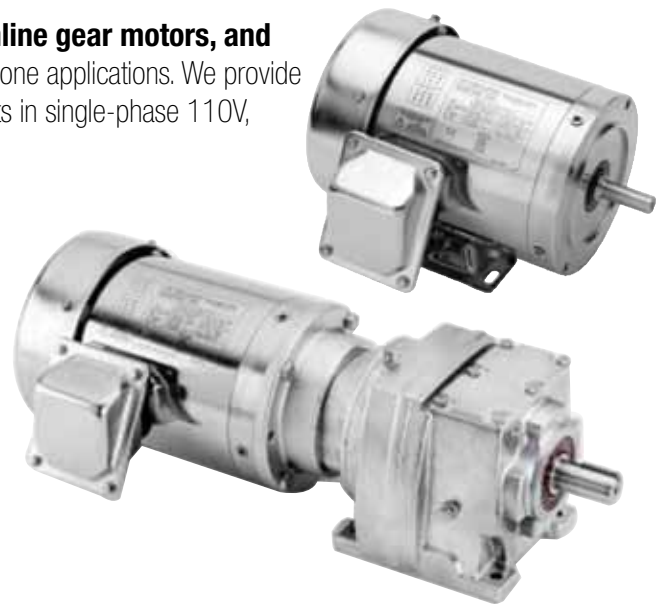
Harco offers a comprehensive range of **stainless steel motors, inline gear motors, and drive units** compatible with all pumps we supply, as well as stand-alone applications. We provide TEFC washdown-protected or full stainless-steel motors and drive units in single-phase 110V, three-phase 208–230/460V, or three-phase 575V configurations.

Harco can also provide fully customized packages, assembling pumps and motors on stainless steel bases with **VFDs** tailored to your specifications.

#### Application-Specific Motors & Drives

Designed to meet your unique mechanical and electrical requirements, our motors and drive units ensure reliable and efficient operation in any environment.

**For motors, drive units, or replacement parts, contact Harco Enterprises.**



Visit our web site at <https://www.harcosupply.com/pumps/motors-drives-vfds/motors-drives/>

### VFDs - Variable Frequency Drives

Variable frequency drives (VFDs) connect to a motor's electrical supply and vary the frequency of the electricity powering the motor. This allows precise control of motor performance while reducing energy consumption. VFDs are compatible with three-phase vector (inverter) motors for both constant-torque and variable-torque applications.

#### SMVector/Washdown Duty Inverter – Flexible, simple, economical, robust.

The SMVector continues its tradition of price leadership in the competitive AC drive market. Its performance and flexibility make it an ideal solution for a wide range of applications, including:

- Food processing machinery
- Packaging machinery
- Material handling/conveying systems
- HVAC systems

The SMVector lives up to its promise of price leadership, delivering exceptional performance and simplicity. It is the ideal choice when you need it all—power, performance, compact design, and intuitive programming.

**For VFDs, or replacement parts, contact Harco Enterprises.**



Visit our web site at <https://www.harcosupply.com/pumps/motors-drives-vfds/vfds/>

## DRUM PUMPS

### The FLUX FOOD Series for Hygienic Applications

The **FLUX FOOD Series** includes the barrel and container pumps **FP 427 FOOD** and **FP 430 FOOD**, as well as the eccentric worm-drive pump **F560 FOOD**. All FOOD pumps are constructed from stainless steel and cover a wide range of fluid transfer applications, from low to high viscosity, while being easy to dismantle and clean. The FP 430 FOOD barrel pump also features explosion protection for safe transfer of alcohols.

Designed for portability and ease of use, these pumps are lightweight and simple to install. Sealed top pull-out designs allow for easy cleaning, while sealless designs with run-dry capability are available in high-head and ATEX versions. 3A-certified and FDA-compliant models ensure hygienic operation for sensitive applications.

Pump tubes are interchangeable with a wide array of FLUX motors, offered in both electric and compressed air options. The FLUX FOOD Series is engineered to meet the specific requirements of the food, cosmetic, and pharmaceutical industries and can be used in both mobile and fixed installations.

**Contact Harco to discuss your specific application requirements, options, and pricing.**



#### **F427 Sanitary Barrel Pump -**

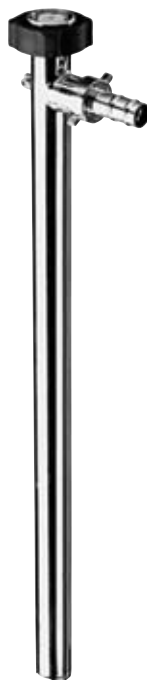
**Can be taken apart completely**

The F/FP 427 pump is ideal for hygienic applications and is designed for conveying media from drums, totes, IBCs, and other containers. It features minimal dead spots to ensure product integrity. The drive shaft, inner tube, and outer tube are all constructed of stainless steel (316 Ti / 1.4581) for durability and corrosion resistance.



#### **F430 Sealed Barrel Pump - Explosion-proved**

The universal F/FP 430 pump is suitable for conveying a wide range of media from drums, totes, IBCs, and tanks. It handles various substances including acids, alkalis, flavors, and spirits, making it ideal for hygienic and demanding applications.

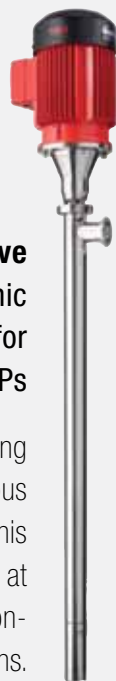


#### **F560 GS Gear drive pump - For hygienic applications with planetary gear drive for liquids up to 50,000 cPs**

The FLUX F560 GS progressive cavity pump with planetary gear is ideal for pumping thin to medium viscosity liquids. This positive displacement pump operates smoothly at a constant pressure, providing gentle, pulsation-free flow for hygienic applications.

#### **F560 S Direct Drive Progressive Cavity Pump - For hygienic applications with bearing flange for liquids up to 100,000 cPs**

The FLUX F560 S pump with bearing flange is ideal for pumping highly viscous products and liquids with very low flowability. This positive displacement pump operates smoothly at a constant pressure, providing gentle, pulsation-free flow for hygienic applications.



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

## DRUM UNLOADING SYSTEMS

### ADU Sanitary Drum Unloading Systems

#### *Highly Efficient, Gentle and Cost-effective*

Unload drums quickly and easily with up to 99% or better product removal when you use the ADU from Ampco Applied Products. The ADU utilizes the Bornemann SLH-4G sanitary twin screw pump paired with an inflatable drum seal suction head that stays secured to the edge of the drum as it moves down unloading the contents. The SLH-4G and included cleaning module are fully CIP-able.

The ADU can unload a wide range of products with viscosities from 1-1,000,000cP with ease. The gentle conveyance and low pulsation operation of the SLH-4G maintains product integrity as the contents are emptied.

The ADU sanitary drum unloading system offers greater energy efficiency when compared to air driven units. The main system utilizes an electrically powered pumping system and controls, requiring only a small amount of air to lift/lower and seal the bladder to the drum.

Drums can be quickly positioned for unloading from the ground or from a pallet via the drum stops on the unloading deck and a v-block stop is available for pallets. The ADU's sturdy modular design offers affordability and ease of maintenance.

Visit our web site at <https://www.harcosupply.com/drum-unloading-systems-2/ampco-adu-drum-unloading-system/>



**AMPCO**  
APPLIED PRODUCTS

### VISCOFLUX-family drum unloading systems

#### *For pumping highly viscous products from drums*

FLUX VISCOFLUX drum emptying systems are engineered to pump highly viscous products that do not flow on their own. These systems use FLUX high-viscosity positive displacement pumps, based on the eccentric screw principle, ensuring smooth, low-turbulence pumping.

VISCOFLUX drum unloading systems are specifically designed to empty containers of high-viscosity products such as tomato paste, vaseline, greases, and more, achieving residual amounts of less than 1% (under 2% for drums with liners). They are suitable for hygienic, food, pharmaceutical, and industrial applications.

The VISCOFLUX Lite is ideal for pumping high-viscosity media that is barely capable of flowing, while the VISCOFLUX Mobile can handle products that cannot flow on their own. Each system is individually designed for specific applications and requires both air and electrical connections for operation.

**For VISCOFLUX drum unloading systems or replacement parts, contact Harco Enterprises.**



**FLUX**

Visit our web site at <https://www.harcosupply.com/drum-unloading-systems-2/flux-viscoflux-family-drum-unloading-systems/>

## SANITARY VALVES

Harco supplies sanitary valves for the dairy, food, and pharmaceutical industries from trusted brands like **Alfa Laval, Burkert, Dixon, and Cipriani Harrison**. Our valves deliver safety, efficiency, and hygiene, adapting to evolving process needs while keeping ownership costs low. We also provide parts for discontinued valves, including Alfa Laval SRC, De Laval, G&H, and Crepaco.

**Butterfly (pg. 21)** Butterfly valves are on/off routing valves, featuring a large opening area and low flow resistance.

**Check Valves (pg. 22)** Check valves ensure one-way flow, protecting product integrity and preventing backflow.

**Mixproof (pg. 23)** Mixproof valves allow two products or fluids to pass through one valve without cross-contamination.

**Single Seat (pg. 24)** Single seat valves for hygienic processes, available in on-off, changeover, and 10 other configurations.

**Flo-Divert (pg. 25)** Flo-Diversion Valves ensure precise, reliable flow control in HTST processing systems.

**Angle Seat (pg. 26)** Angle seat valves offer low pressure loss, high flow, and easy plant integration for optimal performance.

**Globe-Seat (pg. 27)** Globe seat valves with exchangeable seat offer a precise fit for demanding control applications.

**Regulating (pg. 28)** Regulating valves adjust or monitor flow and direction—ideal for precise control of flow rate or pressure.

**Control Tops (pg. 28)** Automation systems provide reliable flow monitoring and control with easy setup and operation.

**Ball (pg. 29)** Sanitary ball valves (manual and pneumatic) are ideal for handling viscous or particulate liquids.

**Plug Valves (pg. 30)** Stainless-steel plug valves for easy operation and minimal pressure drop in sanitary use.

**Sampling (pg. 31)** Sampling valves allow for representative samples of food, beverage, personal care and biopharm products.

**Shutter Valves (pg. 31)** Shutter valves are a manual or pneumatic valve designed for sanitary applications.

**Vacuum Breakers/Relief Valves (pg. 32)** Relief valves ensure single-direction product flow through process lines.

**Diaphragm Valves (pg. 33)** Diaphragm valves (control, on/off and hygienic) for sterile and ultra-hygienic processes.



## BUTTERFLY VALVES

### Alfa Laval LKB Valves

Alfa Laval's LKB butterfly valve is a straightforward on/off routing valve, featuring a substantial opening area and low flow resistance. Ideal for use with low- and medium-viscosity liquids where hygiene standards are important, the butterfly valve range includes modular units designed to meet the full spectrum of requirements at working pressures from full vacuum to 10 bar. All valves are FDA-compliant, suitable for a range of stainless steel pipe systems, and can be built to comply with virtually any installation standard.

This valve can be complemented with a lockable handle for manual operation with an actuator, combined with either a valve indication unit or Alfa Laval ThinkTop valve sensing and control units. For manual operation, Alfa Laval provides a selection of handles, including a multi-position lockable handle. For automated operations, different actuators are available; the special double-spring design enables maximum torque to the valve disc at breakaway and seal positions, allowing easy integration into larger systems operated from a central point and/or automatic operation for maximum efficiency. Alfa Laval LKB parts are available.

**For Alfa Laval LKB valves, or replacement parts, contact Harco Enterprises.**



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

### Alfa Laval Leakage Detection Butterfly Valves

Elevate your process performance—choose the Alfa Laval Leakage Detection Butterfly Valve for precise, efficient control in the most demanding hygienic applications. Ensure product integrity and prevent cross-contamination with this hygienic valve, perfect for dairy, food, beverage, and personal care industries. It provides mixproof separation to safeguard your processes, all while cutting energy and maintenance costs.

#### Key Features:

- Prevents Cross-Contamination – Protect your product from unwanted mixing
- Hygienic Design – Fully CIP-able, ensuring maximum uptime and hygiene.
- Cost Efficiency – Reduced energy consumption, lower maintenance, and operating costs.
- Smart Monitoring – Integrated Alfa Laval ThinkTop control for real-time diagnostics and performance.

#### Benefits:

- Boosts reliability and safety
- Maximizes productivity with minimal downtime
- Withstands the toughest processing conditions

**For Alfa Laval LKB valves, or replacement parts, contact Harco Enterprises.**



Visit <https://www.harcosupply.com/valves/butterfly/alfa-laval-leakage-detection-butterfly-valves/>

## CHECK VALVES

### Alfa Laval LKC Check Valves

#### LKC 2 Check Valve

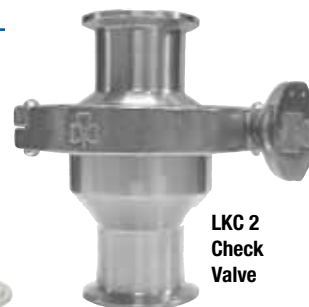
Specially designed for use in stainless steel pipe installations, Alfa Laval's LKC-2 non-return valve ensures the single directional product flow through process lines. This provides protection for process equipment that can be affected by reverse flow and prevents pressure surges and/or system shutdown. Widely used in various processes throughout the sanitary industry, these standard non-return valves are safe and highly reliable.

#### 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.

**For Alfa Laval LKC & LKC UltraPure valves or replacement parts, contact Harco Enterprises.**

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



LKC 2  
Check  
Valve



LKC UltraPure  
Check Valve



### Alfa Laval 45BYMP Y Body Check Valves

**Alfa Laval's 45BYMP Y Body Check valve** is designed to allow product to pass through the valve with no restrictions and minimal pressure drop, while preventing reverse flow in hygienic stainless steel pipe installations. The valve can be installed in either vertical or horizontal positions, with the seat and stem angled approximately 45° to the pipe axis.

Durable and long-lasting, the valve operates across a wide range of pressures and flow rates. Because the sealing check ball moves completely out of the process flow when open, the valve offers low pressure drop and easily handles viscous products or liquids containing solid particles.

The Alfa Laval 45BYMP Y Body Check Valve is widely used across the dairy, food, beverage, home-personal care and chemical industries.

Widely used across the dairy, food, beverage, home-personal care, and chemical industries, Alfa Laval's 45BYMP Y Body Check Valves feature a single-piece stainless steel body with an elastomeric ball available in Buna, SFY, and Nylon. The "Y" branch maintains a Tri-Clamp® connection with the associated Tri-Clamp, end-cap, and gasket. The valve is polished internally and externally and is authorized to carry the 3A symbol.

These valves are available with both weld and Tri-Clamp connections in sizes from 1.5" to 3".

#### Materials

- Product wetted steel parts: Stainless steel AISI 316L
- Other steel parts: Stainless steel AISI 304
- Ball Materials: Buna, SFY, Nylon (max. 140°F)
- Finish: 32 Ra standard

**For Alfa Laval 45BYMP Y Body Check valves, or replacement parts, contact Harco Enterprises.**

Visit <https://www.harcosupply.com/valves/check-valves/45bymp-y-body-check-valve/>



## Alfa Laval Air Blow Check Valves

Harco offers Alfa Laval's 62-174/326 Tri-Clover® brand Air Blow Check Valves, designed to evacuate lines of product or CIP media, or for air agitation of product in tanks and other vessels across the dairy, food, beverage, home-personal care and chemical industries.

The Alfa Laval 62-174/326 Air Blow Check Valve consists of a valve body, gasket, adapter, plug assembly, return spring, stem guide, filter disc, perforated disc and buna gasket, washer and clamp.

The valve easily installs in any horizontal or vertical position on tanks or other vessels for product agitation using a Tri-Clamp, a gasket, and a mounting ferrule. No other fittings are required.



### Standard Design

- Fail Safe Operation – backflow of product or CIP solution prevented by simple air to open, spring to close operation.
- Easy Assembly/Disassembly – Tri-Clamp® connections permit quick disassembly and assembly for replacing Filter Media, cleaning or inspection.
- Remotely Controlled – can be remotely controlled by controlling the supply of air to the valve.
- Rugged Construction – type 316 stainless steel is standard. Spherical plug assembly is bonded EPDM rubber.
- Conforms to 3A Accepted Practices – for applications requiring a final filtering of air prior to entering tank or pipelines.

**For Alfa Laval 62-174/326 Air Blow Check valves, or replacement parts, contact Harco Enterprises.**

Visit <https://www.harcosupply.com/valves/check-valves/alfa-laval-air-blow-check-valve/>

## MIXPROOF VALVES

### Alfa Laval Unique Mixproof Valves

**Alfa Laval's Unique Mixproof Valve** enables simultaneous flow of two products or fluids through the same valve without risk of cross-contamination. Its state-of-the-art double-seat design provides long-lasting, spill-free operation, minimizing the risk of product contamination. Double-lip seals provide added protection for safe and hygienic operation.

The Alfa Laval Unique Mixproof Valve is normally closed and controlled remotely using compressed air. To separate the two liquids, the valve uses two independent plug seals, with the space between forming an atmospheric leakage chamber. In the rare event of product leakage, the product flows into the leakage chamber and is safely discharged through the leakage outlet.

When the valve is open, the leakage chamber is closed, allowing product to flow from one line to the other without spilling. The valve can be easily cleaned and protected against water hammer, according to process requirements and valve configuration. There is no product spill during operation.

**For Alfa Laval Mixproof valves, or replacement parts, contact Harco Enterprises.**

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



## SINGLE SEAT VALVES

### Alfa Laval Unique Single Seat Valves

The Alfa Laval Unique Single Seat Valve (SSV) is a robust, reliable, and versatile pneumatic valve designed for uninterrupted production in a broad range of hygiene-critical applications.

The Alfa Laval Unique SSV is an air-operated seat valve that can be remotely controlled. It can be configured as a shut-off or change-over valve with various actuators (NO, NC, or two-step) for smoother operation, avoiding pressure peaks or overfilling of a tank. Valve bodies, plugs, and actuators can be customized to meet virtually any requirement, providing cost-effective solutions while maintaining high standards of hygiene and aseptic compatibility.

Engineered for excellent hygiene and cleanability, the Alfa Laval Unique SSV features a surface finish of  $Ra \leq 0.8 \mu m$ . The smooth, weld-free valve body eliminates crevices that can trap bacteria, and the plug design supports enhanced cleaning-in-place (CIP) capabilities. A double-acting lip seal minimizes any risk of cross-contamination.

Thanks to its straightforward, reliable design, the Alfa Laval Unique SSV range provides a long service life, reduced product loss, greater product safety and more processing uptime.

**For Alfa Laval Unique SSV valves, or replacement parts, contact Harco Enterprises.**

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



### Alfa Laval Unique SSV Pressure Relief Valves

**Compact. Configurable. Reliable Pressure Control.**

Protect your hygienic processing lines with the Alfa Laval Unique SSV Pressure Relief Valve. Engineered to prevent overpressure, this modular valve provides precise pressure control and ensures safe, efficient operation—even in dynamic environments. Ideal for dairy, food, beverage, and personal care industries, it integrates with Alfa Laval ThinkTop® for real-time monitoring, early issue detection, and enhanced process control.

#### Benefits:

- Reliable overpressure protection
- Easy on-site adjustments for precise control
- CIP-ready at any setting
- Smart monitoring with optional ThinkTop® technology
- Compliant with hygienic and aseptic standards
- Streamlined maintenance with interchangeable parts



Maximize uptime, ensure safety, and safeguard your process with the Alfa Laval Unique SSV Pressure Relief Valve.

**For Alfa Laval Unique SSV Pressure Relief valves or replacement parts, contact Harco Enterprises.**

Visit <https://www.harcosupply.com/valves/single-seat/alfa-laval-unique-ssv-pressure-relief-valves/>



## Alfa Laval Tri-Clover® 700 Series Valves

The Alfa Laval Tri-Clover® 700 Series is a range of air-operated single-seat valves that provide years of reliable performance, and have been installed for decades in various food, dairy and beverage plants across the U.S.

Alfa Laval Tri-Clover® 700 Series valves can be configured with either a short- or long-stroke actuator. The 761 valve has a flexible sanitary design, allowing it to be used in a wide range of applications, as a stop valve with two or three ports or as divert valve with three to five ports.

The valves feature a durable and dependable design with rugged plastic stem bushings, which eliminate metal-to-metal galling. In addition, the stem is threaded to the actuator shaft, eliminating the coupling between the stem and actuator, thereby ensuring proper alignment. Bushings at each end of the cylinder support stem also ensure perfect alignment. Finally, each valve features a heavy-duty bonnet and body ferrule design that will stand up to years of pounding from hydraulic shock.

Alfa Laval Tri-Clover® 700 Series valves are available in both long and short actuators, including a wide selection of shut-off and divert valves. Sizes range from 2" (50 mm) to 4" (102 mm), in normally opened or closed positions.

**For Alfa Laval Tri-Clover® 700 Series valves or replacement parts, contact Harco.**



Tri-Clover Inc.



Visit our web site at <https://www.harcosupply.com/valves/single-seat/tri-clover-700-series/>

## FLO-DIVERT VALVES

### Alfa Laval Unique SSV Flo-Diversion Valves

The Alfa Laval Unique SSV Flo-Diversion Valves are designed for high-temperature short-time (HTST) systems in the dairy, beverage, and food industries. These valves prioritize product integrity and are available in two variants: the standard closing with the flow and the innovative Reverse-Acting valve closing against the flow, preventing hydraulic shock.

Crafted with durability in mind, the valves feature 316L stainless steel for product-wetted parts, meeting FDA and 3A compliance standards. Alfa Laval's Flo-Diversion Valves adhere to PMO and 3A requirements, ensuring hygiene and safety in regulated industries.

The valves, available in 1.5" to 4" tube OD sizes, leverage the design advantages of Alfa Laval's SSV series. Maintenance is streamlined with fully maintainable actuators, and the ThinkTop V50® Digital 24 VDC control top offers precise sensor accuracy. Quick air exhausts ensure swift actuation, and ThinkTops have an IP67 (Nema 4x) protection rating for robust performance.

Alfa Laval Unique SSV Flo-Diversion Valves from Harco are the pinnacle of reliability, precision, and compliance, enhancing fluid control in your processes. Elevate your operations with valves designed to meet and exceed industry standards, ensuring the integrity and safety of your products.

**For Alfa Laval Unique SSV Flo-Diversion valves or replacement parts, contact Harco Enterprises.**



Visit <https://www.harcosupply.com/valves/single-seat/unique-ssv/>



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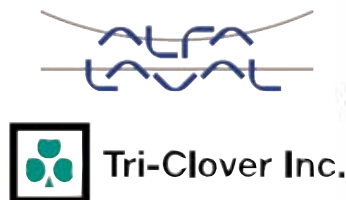
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Fax: 705-743-4312

[www.harcosupply.com](http://www.harcosupply.com)  
[sales@harco.on.ca](mailto:sales@harco.on.ca)

## Alfa Laval Tri-Clover® 762 Flo-Diversion Valves

The Alfa Laval Tri Clover® 762 Flo-Diversion Valves are engineered for precision and reliability in HTST systems within the dairy, beverage, and food industries.

The standard and Reverse-Acting variants, crafted with a rugged design, excel in applications where product integrity is crucial. With a patented design to prevent hydraulic shock, these valves feature premium construction using 316L stainless steel and FDA-compliant materials.



The Alfa Laval Tri Clover® 762-227 Flo-Diversion Valve, an extension of the 761 Series, offers user-friendly features, compliance with sanitary standards, and versatile installation options. Benefit from smart control solutions with a NEMA 4 microswitch control housing and solenoid options for seamless integration.

Trust Harco for unparalleled excellence in your process lines.

**For Alfa Laval Tri-Clover® 762 Series valves or replacement parts, contact Harco Enterprises.**

Visit <https://www.harcosupply.com/valves/single-seat/tri-clover-700-series/>



## ANGLE SEAT VALVES

### Bürkert Type 2000 - Classic Angle Seat Valves

#### Pneumatically operated 2/2-way angle seat valves

The externally piloted angle seat valve is operated with a single or double-acting piston actuator. The actuator is available in two different materials, depending on the ambient temperature. High flow rates are attained with the virtually straight flow path. The reliable self-adjusting packing gland provides high sealing integrity. These maintenance-free and robust valves can be retrofitted with a comprehensive range of accessories for position indication, stroke limitation or manual override.

- Stainless steel or gunmetal housing with threaded, clamped or welded connection
- Long service life
- High flow rate
- Robust actuators with modular accessory program



**For Alfa Laval Tri-Clover 700 Series valves or replacement parts, contact Harco Enterprises.**

Visit <https://www.harcosupply.com/valves/angle-seat-valves/burkert-type-2000-classic-angle-seat-valves/>



## Bürkert Type 2100 Angle Seat Valves

### Pneumatically operated 2/2 way angle seat valve element for decentralized automation

The Bürkert Type 2100 angle seat valve is specially optimised for decentralized process automation and fulfils the tough criteria in process environments. Its unique design allows easy the integration of automation units in all expansion stages, from electrical/optical position feedback to pneumatic control and integrated fieldbus interface. Maximum service life and tightness are achieved by the proven self-adjusting v-seal packing gland. The highly integrated system of valve and automation unit is characterised by its compact and smooth design, integrated pilot air ducts, protection classes IP65/67, NEMA Type 4X and high resistance to chemicals.

- High flow rates
- Long service life
- Suitable for steam
- Easy integration of automation units with ELEMENT
- Flow-optimised stainless steel valve body with sleeve, clamp or weld connection

**bürkert**  
FLUID CONTROL SYSTEMS



**For Bürkert Type 2100 Angle Seat valves or replacement parts, contact Harco Enterprises.**

Visit <https://www.harcosupply.com/valves/angle-seat-valves/burkert-type-2100-angle-seat-valves/>

## GLOBE SEAT VALVES

## Bürkert Type 2301 Globe-Seat Valves

### Pneumatically operated 2-way Globe Control Valve

Bürkert's Type 2301 globe-seat valve is engineered for demanding process environments, offering exceptional cycle life and sealing integrity via a self-adjusting spindle packing with exchangeable V-seals. Each valve body fits up to five trim set sizes, with parabolic trims ensuring reliable, repeatable flow control. Control cones come in stainless steel or with PTFE or PEEK seals for tight shut-off (leakage classes III, IV, or VI). The design supports easy integration of automation modules—digital electropneumatic positioners or process controllers. Compact and smooth, the system features integrated pneumatic lines, IP65/67 protection, and excellent chemical resistance.

- Excellent control characteristics
- High cycle life and maintenance-free operation
- Flow optimised body in stainless steel
- Several Kvs value per port size due to removable valve seats
- Control units can be mounted directly without external tubing

**bürkert**  
FLUID CONTROL SYSTEMS



**For Bürkert Type 2301 Globe-Seat valves or replacement parts, contact Harco Enterprises.**

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

## REGULATING VALVES

### Alfa Laval CPM Valves

Alfa Laval's Constant Pressure Modulating (CPM) valve is a pneumatic regulating valve that maintains a constant inlet or outlet pressure in hygienic process lines. Thanks to a quick response diaphragm, these compact valves immediately react to any change in product pressure, adjusting position to keep the pressure at pre-set values.

A CPM valve features a self-draining design and crevice-free, bowl-shaped valve body with welded valve seat to enable thorough cleaning, thus eliminating potential entrapment areas. The unique diaphragm with PTFE on the lower diaphragm also contributes to excellent cleanability.

Designed to maintain a constant pressure at the valve inlet or outlet, using different plug sizes and different Kv values.

The diaphragm in the valve enables it, under aseptic conditions, to react effectively to any changes in product pressure by shifting position against a constant air pressure.

**For Alfa Laval CPM valves or replacement parts, contact Harco Enterprises.**

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



## CONTROL TOPS

### Alfa Laval ThinkTop® V-Series (V20, V40, V50, V55, V70)

Maximize uptime, safety, and efficiency with Alfa Laval valve automation solutions. ThinkTop® V-Series units elevate valve control across diaphragm, butterfly, single-seat, and mixproof valves.

#### Key Benefits

- Automatic valve recognition and tolerance selection
- Fast Auto, Live, and Flex Setup
- 360° LED indication for clear valve status
- Burst seat clean for hygienic operation
- Exchangeable air-fittings and ThinkTop® class interchangeability
- Backwards compatible with IO-Link for smart automation



#### How It Works & Applications

Microchip sensors monitor valve stem movement and end positions, providing precise feedback to automation systems. Simple indication units offer reliable open/closed status signals. Ideal for dairy, food, beverage, biotech, pharmaceutical, and home-personal care industries, Alfa Laval ThinkTop® units deliver reliable, precise, and efficient fluid handling.



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



## Bürkert 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

**For Bürkert 8681 Globe-Seat control head or replacement parts, contact Harco Enterprises.**

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



## BALL VALVES

### Alfa Laval Sanitary Ball Valves

Alfa Laval's Sanitary Ball Valves (SBVs) are full-bore flow valves that provide on/off control with minimal pressure drop. The valve opening has a constant pipeline diameter, which enables fluids to flow freely through the valves when open. Flow restriction is comparable to that of a straight tube.

This makes the SBVs suitable for handling fluids that are viscous or contain solid, semi-solid or abrasive particles, for pigging of process lines is a major consideration, applications that require gentle product treatment and Clean-in-Place applications.

Easy to build into most process lines, Alfa Laval SBVs feature a straightforward floating ball design, which guarantees a tight seal and permits axial movement while preventing rotation. They are water hammer-safe and completely insensitive to pressure shocks in the pipelines.

Spring-loaded, self-adjusting seal rings provide highly reliable valve stem sealing. Alfa Laval Sanitary Ball Valves with automated control have inspection holes in the bonnet for easy inspection of the stem seal. Alfa Laval SBV parts are also available.



Tri-Clover Inc.



Visit our web site at <https://www.harcosupply.com/valves/ball-valves/alfa-laval-ball-valves/>

## Dixon Sanitary Ball Valves

Harco offers a full line of Dixon sanitary and non-sanitary 2- and 3-way ball valves with a manual handle or air actuation.

A number of sizes and connection types are available.

**Applications:** Isolation, Diversion, Control, Material, CF8M

### Features:

- 5 encapsulated seat materials available
- ISO 5211 mounting pad standard
- Optional 2-way V-port seat
- Various actuation and control packages

**Sizes:** 0.5" to 4"

**For Dixon Type Sanitary Ball valves or replacement parts, contact Harco Enterprises.**

**2-Way 3 Piece Encapsulated Ball Valves - BV2CV-200CC-A**



**3-way Multi-port Sanitary Stainless Steel Ball Valve - BV3SVLF150C-A**



The Right Connection®

**Pneumatically Actuated 3-Piece Sanitary Stainless Ball Valve - BV2CV-200CC-BBC**



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

## PLUG VALVES

### Alfa Laval and Cipriani Harrison Plug Valves

Harco Enterprises is a supplier of **Alfa Laval and Cipriani Harrison Sanitary Plug Valves**, crucial components in industries like food, dairy, beverage, pharmaceutical, and brewery. These highly reliable stainless-steel plug valves are designed for quick and easy operation where a sanitary closing device with minimum pressure drop is required.

When choosing valves for specific applications, factors like product type, flow rates, operating pressure, and other specifications must be considered.

Harco Enterprises provides expert guidance in selecting the right valves for different applications in these industries.



**Cipriani Harrison 11 Series Plug Valves**

**Alfa Laval D10 and D11 Plug Valves**



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

## SAMPLING VALVES

### Alfa Laval Sampling Valves

#### Alfa Laval Unique Sampling Valves

With Alfa Laval's unique sampling valves, you can take representative samples in a variety of hygienic processes within processing industries. These reliable single and double-seat valves provide the high accuracy, exceptional reproducibility and excellent reliability required for high quality, cost-effective sampling.

#### Alfa Laval Tri-Clover® A30S Sampling Valve

The Alfa Laval A30S sampling valve is available with a tri-clamp or plain bevel seat connection, designed to connect directly to a port in the side of a tank. The sample is taken with a simple press of the spring return manual actuator.



### Keofitt Sampling Valve

The Keofitt sampling valve is designed for steam sterilization before and after each sampling. The valve consists of three parts, a valve body, a valve head and a membrane.

The rubber membrane is placed on the stem of the valve head and works as a stretchable plug. The valve bodies and valve heads are interchangeable.



**For Sampling valves or replacement parts, contact Harco Enterprises.**

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

## SHUTTER VALVES

### Alfa Laval Shutter Valve (Koltek)

The Alfa Laval Koltek shutter valve is a manually or pneumatically operated valve designed for use in the food, chemical, pharmaceutical and other industries where sanitary design are needed.

A PTFE shutter is operated by a handle or actuator, with a spring system pressing the shutter against the inside cylindrical surface of the valve body to ensure complete tightness.

The air-actuated valve can be fitted with ThinkTop® or a laterally mounted indication unit for remote position indication. The manually operated valve can also be equipped with lateral indication units used for LKLA actuators. The actuator is available in two versions: single-acting, operating with one main piston, or double-acting, operating with two main pistons.

**For Alfa Laval Shutter valves or replacement parts, contact Harco Enterprises.**

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



## VACUUM BREAKERS/RELIEF VALVES

### Alfa Laval's Vacuum Breakers/Air Relief Valves

#### Alfa Laval Unique 7000 Relief Valves

The Unique 7000 vacuum breaker from Alfa Laval provides relief from vacuum in process lines, along with the latest in sanitary design and cleanability. This air operated vacuum breaker is used to eliminate vacuum on the downstream side of the pasteurizer in an HTST system or other situations where a vacuum can occur in a process line.

#### Alfa Laval B44MP Vacuum Breaker

The Alfa Laval B44MP vacuum breaker is available in 1.5" and 2" tri-clamp connection. It uses a teflon plug and o-ring design. Positive pressure keeps the o-ring sealed against the base. During vacuum, the plug and o-ring drop down allowing air into the system. The standard o-ring is Buna, but can be changed to other elastomers.

#### Alfa Laval LKUV-2 Air Relief Valve

The Alfa Laval LKUV-2 air relief valve is designed for use when air removal from a process line without product loss is a primary concern. These provide solid safety, efficiency and low cost of ownership for processing where hygiene standards are essential.

The Alfa Laval LKUV-2 air-relief valve is an automatic double-seat valve engineered to relieve excess air in industrial processing lines. Vertically installed, this valve is ideal for use on the top of a pipeline, container, or before a pump inlet.



Visit our web site at <https://www.harcosupply.com/valves/vacuum-breakers-relief-valves/>

### Dixon TVSEC-Series Air and Vacuum Relief Tank Vent Valves

Introducing the Dixon TVSEC-Series Air and Vacuum Relief Tank Vent Valves, your solution for maintaining ideal tank pressure and safeguarding content integrity.

#### Dixon TVSEC-Series Stainless Steel Air & Vacuum Relief Tank Vent Valve Features:

Triple Action Functionality: Pressure Relief during filling. Vacuum Relief when emptying. Sealing under equal pressure.

- Stainless Steel Screen to block contaminants.
- 0.25" FNPT Gas Inlet Port for added control.

Available in 2", 3", and 4" sizes with standard clamp connection, it boasts precise specifications, including:

- Vacuum Break: 2" water column (0.1 PSI).
- Pressure Relief: 22" water column (0.8 PSI).
- Max Fill and Evacuation Rate: 250 GPM.
- Operating Temperature Range: 40°F (4.4°C) to 120°F (49°C).

Constructed from 304 Stainless Steel and EPDM seals, this valve ensures quality.



Visit <https://www.harcosupply.com/valves/vacuum-breakers-relief-valves/dixon-tvsec-series-vacuum-relief-valve/>



## Diaphragm Valves

### Alfa Laval Unique DV-ST UltraPure Diaphragm Valves

The Alfa Laval Unique DV-ST UltraPure Diaphragm valve 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 allows you to create a complete valve system to meet virtually any demand in the pharmaceutical and biotech industry.

The Alfa Laval Unique DV-ST UltraPure Diaphragm valve has two modes of operation: manual operation by means of a handle and pneumatic operation by means of a pneumatic actuator. For manual operation, a simple turn of the handle lifts the compressor upwards, moving the diaphragm away from the weir of the valve body thereby opening the valve. Turning the handle in the opposite direction pushes the compressor downwards onto the diaphragm, pressing the diaphragm against the weir of the valve body, thereby closing the valve.

For pneumatic operation, the pneumatic actuator controls the axial movement of a piston, thereby opening or closing the valve depending on the actuator function.

**For Alfa Laval Unique DV-ST UltraPure Diaphragm valves or replacement parts, contact Harco Enterprises.**



Visit our web site at <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 specialty 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.

All the materials used in making the Bürkert diaphragms are traceable. This gives you the assurance that only the "best of ingredients" have been used for your diaphragm. In addition to this, you can choose from a wide variety of materials (and therefore diaphragm types), providing for maximum flexibility to suit your processing task. A number of diaphragms from our range are suitable for CIP (Cleaning-in-Place) and SIP (Sterilization in Place), and it goes without saying that they are internationally certified for use in hygienic processing.

**For Bürkert Diaphragm valves or replacement parts, contact Harco Enterprises.**



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

## MIXERS & BLENDERS

Harco offers a variety of sanitary mixers and blenders to ensure you have the solution you need. From powder and ingredient systems to in-line blenders and mixers, we have you covered.

Manufactured by **Ampco Applied Products (AAP)**, the products are highly-engineered mixing, blending and milling systems for precise performance. Traditional configurations and complex system designs all receive high level support from the AAP Engineering team.

Systems from Ampco include POWDER-max, DRY-blend, SIMPLE-blend, SHEAR-blend, SHEAR-max, SBH/ SBI Blenders, JET-shear and ROLEC DH Systems for the brewery industry.

Ampco mixers and blenders are customized to use on a wide range of batch sizes, varying media, ergonomics and end-user requirements. AAP is driven to provide a tailored solution that reduces processing time and results in a better end-product. Teeth thickness, number of teeth, radius and Cartesian coordinates can all be specified per customer.

**Powder & Ingredient Systems (pg. 26)** These systems encompass a line of products designed to mix and blend powders with liquids efficiently while improving the texture and dispersion of the finished product.

**Inline Blenders & Mixers (pg. 28)** The applications for inline mixers and blenders are limitless. Products requiring the highest shear levels will benefit from the SHEAR-max high shear mixer, capable of mixing and efficiently pumping product with its hybrid impeller design.



Visit our web site at <https://www.harcosupply.com/mixers-blenders/>

## POWDER & INGREDIENT SYSTEMS

### AMPCO POWDER-max

The Ampco 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/>

### AMPCO SHEAR-blend

The Ampco 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/>

### AMPCO SIMPLE-Blend

The Ampco 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/>

### AMPCO DRY-blend

The Ampco 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/>

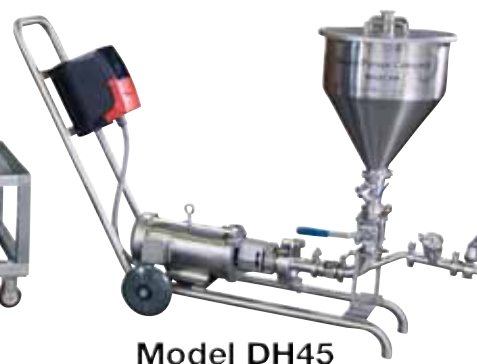
## AMPCO DRY Hopping

The Ampco ROLEC DH units use an Ampco SBI blending pump to safely induce dry hop pellets, fruit, spices, coffee, cocoa nibs straight into the stream of beer, while recirculating the fermenter.

All three systems use carbon dioxide to eliminate oxygen from the hop chamber. Pellets can be induced into fermenting, finished, or crashed beer. The induced media is chopped to maximize the surface area, flavor and aroma.

### Ampco ROLEC DH features:

- 3 models: DH45/DH90/DH250
- Pressurized tank with glass-top manway on the DH90 and DH250 allows for balancing
- Fermenter pressures and visual monitoring
- The DH45 is a lower cost, non-pressurized system designed for smaller craft breweries
- Gauges and sight glasses aid the user in monitoring induction and pressures
- Minimal dissolved oxygen (D.O. pick-up) less than 5 PPB
- All components are sanitary and can be cleaned in place (CIP) (no additional CIP pump is required)
- The fully-portable DH can be used on many fermenters and fits well in cramped cellars
- Recirculation can be done as long as desired (3-4 fermenter turnovers are recommended)
- Improved aroma and flavor profile, faster tank turnovers and safe, ground level induction



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



## INLINE BLENDERS & MIXERS

### AMPCO SHEAR-max High Shear Inline Mixer

Ampco's SHEAR-max delivers high shear inline mixing with a twist. This mixer offers particle size reduction, emulsification and dispersion with tight tolerances for high shear applications and very efficient flow.

The curved rotor and various stator designs make it one of the most efficient and hygienic designs on the market. The Ampco SHEAR-max can disperse, dissolve, emulsify, de-agglomerate, homogenize or simply blend.

#### Ampco SHEAR-max features:

- Integrated impeller and dynamic shear teeth
- Clean-in-place
- 316L stainless steel construction/ 304 stainless steel adapter
- Dynamically balanced impeller
- Available in single or multi stage design
- Max flow rate: 400 GPM / 91 M3/hr



Visit our web site at <https://www.harcosupply.com/shear-max-high-shear-inline-mixer/>

### AMPCO SBH/SBI Series Blenders

Offering two moderate shear blender model series: SBH / SBI. These shear blenders are suitable for such applications as food, beverage, and pharmaceutical industries.

The high shear blending capability of the Ampco **SBH** is facilitated by the greater number and expanded rows of rectangular-shaped teeth with radial slots for the higher shear rates. Different cover and impeller sets are available for varying application requirements.

The Ampco **SBI** Pump Series pumps and blends product in a single stage. This innovative design can move product and create considerable pressure by way of a hybrid impeller.



#### Ampco SBH features:

- High shear blending
- 316L stainless steel heavy wall construction
- 304 stainless steel adapter
- Dynamically balanced impeller
- 316L stainless steel shaft
- Max flow rate: 200 GPM/ 45 M3/hr

#### Ampco SBI features:

- Medium shear blending
- 316L stainless steel wetted construction
- Combination integrated impeller with dynamic shear teeth
- 304 stainless steel adapter
- Dynamically balanced impeller
- 316L stainless steel shaft
- Max flow rate: 510 GPM/ 116 M3/hr
- Max powder induction rate: 150 lbs/min / 68 kg/min



Visit our web site at <https://www.harcosupply.com/sbh-sbi-series-blenders/>

## AMPCO JET-mix

Ampco's in-tank JET-mixers will rapidly mix, disperse, and suspend solids in liquids covering a wide range of applications in food, personal care, clean chemical, and pharmaceutical industries. The modular construction of the JET-mix makes it ideal for a wide viscosity range and batch sizes up to 6,000 gallons in open or closed tanks, drums, and tote processing.

### JET-mix features:

- 25 – 6,000 Gallon Batches
- ½ – 3 HP motor on standard model
- Up to 20 HP motor on custom models
- 316 stainless steel removable shaft
- 316 stainless steel bearing frame
- High efficiency impellers 4" – 20" (welded or adjustable)
- Designed to 3A standards
- CIP-able
- Multiple mounting configurations
- Shaft lengths up to 84" on standard design
- Custom options available



## AMPCO JET-shear

Ampco's in-tank mixer is used to hydrate, dissolve, disperse and emulsify products consistently and efficiently. It covers a wide range of applications in the food, chemical and pharmaceutical industries. The Ampco JET-shear is used in open or closed tanks and totes, creating smooth consistent blends in tanks as large as 1,000 gallons. The JET-shear is much more than an in-tank agitator, capable of creating emulsions under 10 microns.

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



## SANITARY HOSES & CUSTOM ASSEMBLIES

Harco offers a complete range of sanitary product transfer hoses from trusted brands such as Rubber Fab, Gates, and Novaflex®, serving the food, beverage, brewing, pharmaceutical, and related industries. We also provide custom sanitary hose assemblies with multiple fitting options, as well as hose support systems engineered to ensure safe, reliable, efficient, and compliant product transfer in sanitary processing applications.

### NOVAFLEX® SANITARY HOSES

Novaflex® hoses provide hygienic, reliable, and durable solutions for transferring food, beverages, dairy, oils, and powders. Built for demanding processing and cleaning cycles, they meet FDA, USDA, 3-A, CFIA, and REACH/ADI standards, ensuring safe, efficient, and easy-to-use performance in sanitary applications.

#### Novaflex 6506 Connoisseurs Food & Beverage Hose

Special kink and crush resistant suction & discharge hose, designed for those more demanding applications requiring a product that meets 3-A, FDA & USDA standards. FDA. ADI Free. REACH Compliant. Designed to meet the temperatures and chemical resistance associated with "cleaning in place" systems. This ultra smooth microbe resistant tube is built for non-oily applications, on special stainless steel mandrels for cleanliness.

- Not for continuous steam service.
- Meets or exceeds the requirement of the Canadian Food Inspection Agency.

**Tube:** White Chlorobutyl (non oily applications)

**Reinforcement:** Multiple plies of polyester tire cord & dual monofilament helix

**Cover:** Gray EPDM abrasion resistant.

**Temperature Range:** -40°F (-40°C) to +240°F (+116°C) (Cleaning In Place to 248°F [+120°C])



NOVAFLEX®

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

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. The lining will resist the harshest of cleaning agents and CIP process, also alcohol concentrations to 99%.

- Not for continuous steam service.
- Meets or exceeds the requirement of the Canadian Food Inspection Agency



NOVAFLEX®

**Tube:** FDA UHMW - odor and tasteless (non-oily applications).

**Reinforcement:** Multiple plies of polyester tire cord with helix wire.

**Cover:** Gray EPDM.

**Temperature Range:**  
-40°F (-40°C) to +225°F  
(107°C) (Cleaning In Place to  
248°F [+120°C]).

\* Non-stock orders - (other color hose covers white, green, red, yellow, blue, orange black, purple) are available and require a 400ft minimum order per I.D.

Visit our web site at <https://www.harcosupply.com/sanitary-hose/>

## GATES SANITARY HOSES

### Gates Food & Beverage Master Suction and Discharge Hose

The Gates Food and Beverage Master hose is commonly used for the transfer of milk, juice, soft drinks, pharmaceutical products, cosmetics or water-based products that are requiring FDA sanitary hose.

This hose is available in a gray or white cover and is crush and kink resistant and is available with a variety of stainless-steel connections.



## RUBBER FAB SANITARY HOSES



### Rubber Fab Hoses

Rubber Fab FDA approved rubber hoses are designed to transport a wide variety of fluids without imparting odor or taste and are specifically designed for sanitary suction and discharge applications. FDA rubber hoses are recommended for the transfer of milk, juice, soft drinks, yogurt, pharmaceuticals, cosmetics, and oil based or water-based products.

Rubber Fab hoses are available with a variety of stainless-steel, and non stainless connections.

## HOSE SUPPORT SYSTEM

### Hose Support (Donut)

With a durable two-piece design and impact-resistant thermoplastic, it's lightweight yet tough. The safety yellow assembly easily bolts over hoses or stainless steel piping, lifting them off the floor to minimize wear and tear, maintain cleanliness, and protect sanitary connections. During washdown, it prevents damming, promoting efficient drainage and inhibiting bacterial growth. Its safety-focused design, featuring an easy-to-grab handle and high-visibility yellow, ensures a safer workplace. Experience the reliability and convenience of this hose support today!



#### MATERIAL AVAILABLE:

- High Impact/Abrasion Resistant
- HDPE Thermo Plastic

#### SIZES AVAILABLE:

Designed to work with 1.375"-5" Hoses and Stainless Steel

PART NUMBERS	DIMENSIONS
HOSE SUPPORT-1	8" Bridge To Fit 1.375-1.62" OD hose
HOSE SUPPORT-2	8" Bridge To Fit 2.063-2.12" OD hose
HOSE SUPPORT-3	8" Bridge To Fit 2.62-2.687" OD hose
HOSE SUPPORT-4	10" Bridge To Fit 3.1-3.3" OD hose
HOSE SUPPORT-5	10" Bridge To Fit 3.6-4" OD hose
HOSE SUPPORT-6	10" Bridge To Fit 4.7-5" OD hose



## HEAT EXCHANGERS

Heat transfer is a critical function in today's food processing industry. Its role is to heat or cool sensitive products to the precise temperature at exactly the right time, with minimal impact on taste and consistency. It must also meet the highest standards of hygiene and product safety while carefully processing foodstuffs that consumers recognize, trust, and enjoy.

Harco offers shell-and-coil heat exchangers, brazed and fusion-bonded heat exchangers, tubular heat exchangers, scraped-surface heat exchangers, and plate heat exchangers, along with replacement plates and gaskets for:

- Tetra Pak Heat Exchanger
- Alfa Laval Heat Exchangers
- APV Heat Exchangers
- DeLaval Heat Exchangers
- AGC Heat Exchangers
- AIC Heat Exchangers

**Gasketed Plate (pg. 42)** The Tetra Pak® Plate Heat Exchanger features a durable design with plate geometry, optimized for food applications.

**Scraped-Surface (pg. 43)** The Contherm® Scraped-Surface Heat Exchanger is suited for hygienic heating and cooling of sticky and particulate food products.

**Tubular (pg. 43)** The Tetra Pak® Tubular Heat Exchanger combines straight and corrugated tubes, offering optimal performance, long production time and low maintenance.

**Shell & Coil (pg. 44)** The JAD Shell and Coil Heat Exchangers are distinctly characterized by their angular connections, and by the concentric layers of helically corrugated tubes within the shell.



**Tetra Pak**



Visit our web site at <https://www.harcosupply.com/heat-exchangers/>

## GASKETED PLATE

### Tetra Pak® Plate Heat Exchanger



The Tetra Pak® plate heat exchanger features a durable design with plate geometry optimized for food applications. It provides gentle, energy-efficient heating that helps maintain product quality, while remaining easy to clean, service, and maintain. Units can be rebuilt for new applications or different capacities, and their long equipment lifespan is supported by robust gaskets and plate-pressing technology.

Tetra Pak's clip-on gaskets feature a strong T-clip design that is easy to remove and reassemble. They also include safety enhancements such as a safety groove in the seal chamber. If leakage occurs anywhere on the gasket, it is visible from the outside of the unit, preventing the risk of cross-contamination between product and media. The connections in the Tetra Pak® plate heat exchanger are bolted rather than welded to the connection plates, making it simple to adapt or rebuild units for different capacities and products.

The tall and narrow shape of the plates, combined with the surface pattern and porthole size where the product enters, are specially designed for food processing. This ensures even product flow and distribution across the entire plate for efficient and uniform heat transfer. The design eliminates low-velocity areas, reducing fouling and enabling longer production runs, while the consistent flow rates also make cleaning faster and more effective. Tetra Pak® plate heat exchanger spare parts are also available.



#### Replacement Plate-Gaskets and Plate Packs

Harco supplies Alfa Laval and Tetra Pak® heat exchanger plates, gaskets, and complete plate packs, available in a variety of geometries, patterns, and materials including standard, WideStream, and Gemini designs, with gasket options such as FDA-approved NBR and EPDM. Genuine Alfa Laval spare parts ensure reliability, productivity, and cost efficiency. Contact Harco with your serial number for expert guidance at 1-800-361-5361, 705-743-5361, or [sales@harco.on.ca](mailto:sales@harco.on.ca)

Visit our web site at <https://www.harcosupply.com/heat-exchangers/gasketed-plate/>

### Alfa Laval Brazed & Fusion-Bonded Heat Exchangers

Alfa Laval brazed heat exchangers are compact, efficient solutions for heating and cooling duties involving water, evaporation and condensing, coolants, oil, and refrigerants. **Alfa**

**Laval CB brazed plate heat exchangers** (left) deliver high thermal efficiency, while **Alfa Laval's patented AlfaNova** (right), a unique fusion-bonded heat exchanger made from 100% stainless steel, is optimized for the most demanding duties.

***For Alfa Laval Brazed & Fusion-Bonded Heat Exchangers or parts, contact Harco Enterprises.***



## SCRAPED-SURFACE

### Contherm® Scraped-Surface Heat Exchangers

The Contherm® Scraped-Surface Heat Exchanger from Tetra Pak® is designed for hygienic heating and cooling of sticky and particulate food products. Product is pumped into the lower end of the vertical heat exchanger and flows through the cylinder, where it is continuously agitated and removed from the cylinder wall by scraping blades. Heating and cooling media flow in the annular space between the heat transfer cylinder and the insulated jacket. These heat exchangers can also be connected in series for in-line heating and cooling.

**Features:**

- Vertical installation eliminates air pockets
- Driving unit on top
- Four sizes with heating areas from 0.28 to 0.98 square meters

**Benefits:**

- Minimal floor space required
- Easy to open for inspection and exchange of scraping knives
- Ideal for sticky, lumpy food products



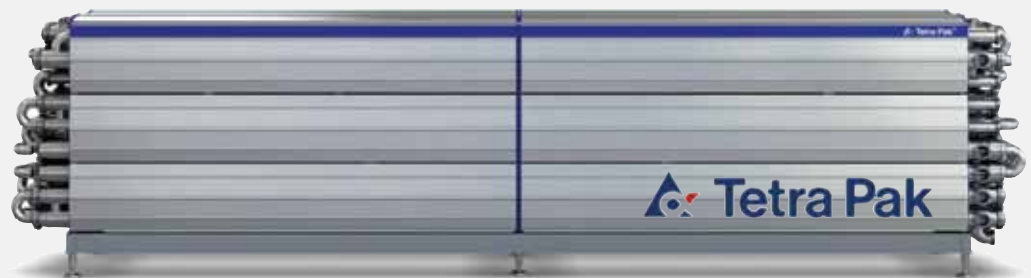
**For Contherm® Scraped-Surface Heat Exchangers or replacement parts, contact Harco Enterprises.**

Visit our web site at <https://www.harcosupply.com/heat-exchangers/scraped-surface/>

## TUBULAR

### Tetra Pak® Tubular Heat Exchanger

The Tetra Pak® Tubular Heat Exchanger has been trusted by the liquid food industry for decades. By combining straight and corrugated tubes, it delivers optimal performance, long production time, and low maintenance.



The inner and outer tubes and connections are floating, not fixed or welded, allowing thermal expansion or contraction without the risk of cracking. This design prevents product contamination, enables inspection of all parts, and ensures easy replacement when needed.

The frame, tubes, and other components are assembled for easy dismantling and rebuilding, making it possible to customize the heat exchanger for different recipes, capacities, and products.

**For Tetra Pak® Tubular Heat Exchangers or replacement parts, contact Harco Enterprises.**

Visit our web site at <https://www.harcosupply.com/heat-exchangers/tubular/>

## SHELL & COIL

### JAD LINE HEAT EXCHANGERS

#### STAINLESS STEEL AND COIL HEAT EXCHANGERS

JAD Shell and Coil Heat Exchangers are characterized by their angular connections and the concentric layers of helically corrugated tubes within the shell. This unique design optimizes performance and heat transfer efficiency.

Primarily designed for vertical installations, and with a compact size, JAD heat exchangers can be installed in virtually any application where space is limited.

#### JAD-Line Compact Vertical Heat Exchangers - Quality & Unique Fabrication

##### Features

- Angular connections
- Concentric layered coils
- Helically coiled tube bundles
- Small to large applications
- H-Type for straight connections
- Standard class flange or NPT connections
- Easy to install in series or parallel

##### Shell & Coil Models are available in:

- Smooth or corrugated tubes
- H-Type: Straight, 90° angle connections

##### Standard Materials

- Stainless Steel 316L
- Complete welded structure

##### Maximum Working Pressure

- Up to 300 PSI (2.07 MPa)

##### Maximum Working Temperature

- Up to 422°F (216°C)

**For JAD Heat Exchangers or replacement part, contact Harco Enterprises.**



jad

Visit our web site at <https://www.harcosupply.com/heat-exchangers/shell-and-coil/>



## Homogenizers & Separators

Harco offers Tetra Pak® homogenizers and separators designed for your specific application. Our team can help determine the right size and configuration to meet your production requirements.

Tetra Pak® homogenization is used to achieve a variety of results, including preventing cream lines and sedimentation in milk, improving the viscosity, taste, and texture of cream or juice-based drinks, enhancing the mouthfeel of soy beverages, and preventing whey separation in yogurt.

Tetra Pak's industry-unique centrifugal separators deliver excellent product quality. Since their invention over 130 years ago, centrifugal separators have become indispensable in the food and beverage industry. Today's advanced Tetra Pak® separation technology provides clear advantages in product quality and safety, operational efficiency, and production flexibility.

### SEPARATORS

#### TETRA PAK® Separators

Harco is a proud supplier of Tetra Pak® Separators for dairy and food processing applications. Designed for sanitary use, these separators provide high capacity and efficient milk skimming, while maintaining product quality by preventing air from entering the process. The air-tight technology features a completely filled separator bowl, and the advanced inlet and outlet design ensures gentle treatment throughout the separation process, resulting in greater skimming efficiency and reduced energy consumption.

**For Tetra Pak® Separators or replacement parts, contact Harco Enterprises.**

Visit <https://www.harcosupply.com/homogenizers-separators/separators/>



 **Tetra Pak**

### HOMOGENIZERS

#### TETRA PAK® Homogenizers

Harco is a proud supplier of Tetra Pak® homogenizers for dairy and food processing applications. Known for high-performance homogenization, these units are engineered to increase cost efficiency and reduce environmental impact without compromising food safety. The homogenizer reduces particle size to improve product quality.

Suitable for high- or low-acid liquid food products, the homogenizer can be used in aseptic or non-aseptic processing and also functions as a high-pressure pump, for example, for powders.

**CAPACITY:** 55 to 63,600 l/hr

**For Tetra Pak® Homogenizers or replacement parts, contact Harco Enterprises.**

Visit our web site at <https://www.harcosupply.com/homogenizers-separators/homogenizers/>



 **Tetra Pak**

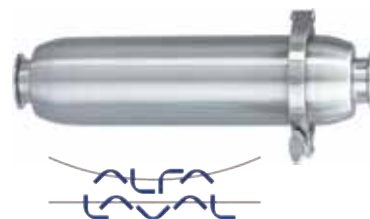
## Sanitary Filters and Strainers

Harco offers sanitary stainless-steel filters and strainers from Alfa Laval, Rodgers, Dixon, and Sani-Matic—engineered for hygienic processing across dairy, food, beverage, meat and poultry, pharmaceutical, and other high-purity industries. Designed for versatility and durability, they ensure reliable performance, easy maintenance, and consistent product quality.

### ALFA LAVAL FILTERS & STRAINERS

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

Available in both long and short models, the Alfa Laval Streamline™ In-Line Filter/Strainer delivers versatile and cost-effective filtration. The housing is designed for maximum flexibility, accommodating a wide range of disposable filter and reusable strainer media. Ideal for dairy, food, beverage, meat and poultry, cosmetics, and pharmaceutical applications.



#### Alfa Laval LKSF Slot Strainer

The Alfa Laval LKSF Slot Strainer is ideal for process filtration where sanitary design is required. The strainer features a multi-part housing—most models in three parts, while the LKSF-BL (101.6 mm / 4") has a two-part housing—that houses the strainer element centrally. The assembly uses clamps, with the upper clamp ring featuring a wing nut for quick, manual dismantling. A welded-on handle on the strainer element provides easy removal for cleaning, ensuring fast and hygienic maintenance.



#### Alfa Laval LKVF Coarse Strainer

The Alfa Laval LKVF Coarse Strainer is designed for applications requiring removal of flow particles, protecting pumps and other sensitive equipment. The strainer features a robust casing with inlet and outlet connections. Inside, a perforated tube filter element is fixed to a welded flange with a handle. The flange fits into a ferrule on the casing and is secured with clamps for easy installation and maintenance.



### DIXON FILTER HOUSINGS WITH CARTRIDGE ELEMENTS

#### Dixon Sanitary & Industrial Filter Housings

Harco supplies Dixon FH-Series Sanitary and Industrial Filter Housings with DF-Series Cartridge Elements for reliable, high-performance filtration.

**Sanitary:** Easy-to-clean, low-maintenance, ideal for food, beverage, dairy, and pharma.

**Industrial:** Durable, corrosion-resistant, built for chemical, petrochemical, and manufacturing applications.

**Cartridges:** String-wound, pleated, or melt-blown for precise filtration.



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

## RODGERS FILTERS & STRAINERS

### Rodgers Side Discharge Filters & Strainers

Harco offers Rodgers Side Discharge Filters and Strainers, ideal for sanitary processing in dairy, food, beverage, and other hygienic industries. Their modular design provides flexibility, allowing process designers to tailor solutions to each application's needs.



## SANI-MATIC STRAINERS

### Sani-Matic Straight-Line Strainers

Durable Sani-Matic Straight-Line Strainers for standard flow processes, ideal for offline cleaning. Interchangeable perforated and wedge wire elements protect equipment and maintain product integrity. 3-A compliant with minimal pressure drop, suitable for dairy, beverage, food, and personal care applications.



### Sani-Matic Angle-Line Strainers

High-performance Sani-Matic Angle-Line Strainers for sanitary processes, with internal elements that clean without removing the body. Flexible designs include multiple straining options, inlet configurations, and magnetic traps. 3-A authorized with perforated elements, ideal for food, beverage, pharmaceutical, dairy, and biotech applications.



### Sani-Matic Angle-Line Basket (ALB) Strainers

Sani-Matic ALB Strainers capture particles in a removable basket element for fast, tool-free servicing without removing the strainer body. Perforated elements with optional mesh underlays provide flexible, fine filtration. 3-A authorized with perforated elements, ideal for food, beverage, pharmaceutical, dairy, and biotech applications.



### Sani-Matic Tee-Line Strainers

Protect pumps and process equipment with high-performance Sani-Matic Tee-Line Strainers featuring tri-clamp connections for fast, easy element removal and cleaning. Optional alignment pins ensure proper installation every time. Perforated inserts capture particulates as small as 1/16", ideal for process and CIP lines.



### Sani-Matic Y-Strainers

Compact Sani-Matic Y-Line Strainers boost productivity in tight spaces and integrate seamlessly into existing systems. Precision-engineered elements simplify maintenance, speed up CIP cycles, and reduce downtime. 3-A authorized with perforated elements, they safeguard downstream equipment while ensuring sanitary compliance.



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

## Sani-Matic Basket Strainers

High-volume Sani-Matic Basket Strainers provide durable, sanitary filtration with removable side-inlet baskets for easy cleaning and minimal downtime. Wedge wire or perforated elements, plus optional filter bag kits, allow precise filtration down to one micron. 3-A authorized with perforated elements, they protect equipment and support continuous operation with multi-basket assemblies.



SANI-MATIC

## Sani-Matic Magnetic Trap Strainers

Sani-Matic Angle-Line Magnetic Trap Strainers combine straining and magnetic particle capture to protect equipment and maintain product integrity. Easily upgrade existing Angle-Line Strainers with a magnetic trap element for efficient inline performance. Ideal for capturing metal contaminants and process solids, simplifying installation and enhancing process safety.



## TANKS

Harco supplies process tanks and accessories—feet, gaskets, agitators, mixers, seals, covers, tank cleaning devices, and more—to optimize hygiene, efficiency, and performance. We carry leading brands including Alfa Laval, Mueller, Ampco, and Sani-Matic, and provide parts compatible with Cherry-Burrell, De Laval, Crepaco, Walker, and Damrow. Reliable solutions for new installations or upgrades in sanitary processing systems.

## AGITATORS & MIXERS

### Mueller Agitators & Mixers

Mueller agitators and mixers use more straight-grade 316 stainless steel than any competing product line, ensuring durable service in CGMP environments. Their mechanical seals feature low-noise silicon carbons for quieter operation.

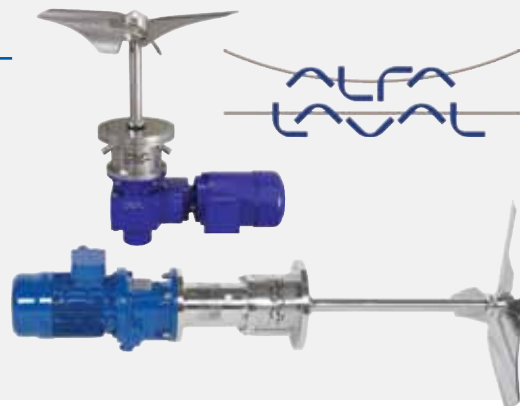


Every mixing application is unique, with different requirements for agitation, shear, suspension, and more. Mueller agitators and mixers are an ideal choice for all sanitary mixing applications, including pharmaceutical, cosmetic, food, and beverage.

### Alfa Laval Agitators

Alfa Laval's side-mounted (ALS) and bottom-mounted (ALB) agitators provide flexible mixing solutions for food, dairy, beverage, pharmaceutical, biotechnology, and cosmetic applications.

Alfa Laval ALS and ALB agitators can be sized for a variety of applications in both atmospheric and pressurized tanks, with configurations available for sterile or aseptic use. Proper sizing and customization ensure optimized performance, power consumption, and cost.



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



## TANK CLEANING DEVICES

### Rotary Spray Heads

Harco offers Alfa Laval and Sani-Matic rotary spray heads for hygienic industries. Alfa Laval units, including Toftejorg, use free-rotating spinners for consistent CIP sprays, saving water, energy, and cleaning media. Sani-Matic AWH units provide fast wetting, tough soil removal, and water savings with TANKO® rotation. Available in multiple sizes, these spray heads deliver reliable, efficient cleaning and long-term cost savings.



### Rotary Jet Heads

Harco offers Alfa Laval and Sani-Matic rotary jet heads for hygienic processing in dairy, food, beverage, biotech, pharmaceutical, and industrial applications. Alfa Laval units deliver high-impact cleaning jets that reduce cleaning time, solution use, and contamination risk. Sani-Matic AWH devices provide 360° dual-axis coverage for tough soils with low water consumption. Available in multiple sizes, these rotary jet heads ensure fast, efficient, and reliable tank cleaning.



### Static Spray Balls

Harco supplies high-quality static spray balls for efficient tank cleaning in hygienic and industrial applications, including food, beverage, pharmaceutical, and personal care. We offer leading Alfa Laval and Sani-Matic solutions, trusted for precision-engineered CIP performance. Alfa Laval LKRK and Sani-Matic SB spray balls provide low-pressure, high-flow cleaning for tanks up to Ø6 m, with versatile installation options and multiple spray patterns. Many Sani-Matic models meet 3-A Sanitary Standard 78-03, ensuring top hygienic compliance.



### SUPPLY TUBES

Harco offers custom-made Sani-Matic supply tubes for precise placement of CIP spray devices, ensuring thorough and effective tank cleaning. Made-to-order tubes can include multiple device options, pass-through spray balls, reducers, and more to meet specific cleaning validation requirements. Compatible with static spray balls, rotary, and jet spray devices, they are constructed from 316L stainless steel and may carry the 3-A symbol for sanitary compliance when required. Double ball tees allow flow to be divided between spray balls, and lead times may vary for engineered solutions.



## SIGHT GLASSES

Harco offers various sight glasses, a specialized type of instrument used in processing industries including pharmaceutical, dairy, food, and beverage. A sight glass — also called a sight window or view port — is a transparent window, making it a critical instrument for determining the condition and level of fluids and media in tanks and pipelines.

Another specialized type of sight glass is the sight flow indicator — also known as a sight glass tube. Sight flow indicators are transparent tubes installed in pipes, providing a visual means to verify flow direction and flow rate of fluids, and to inspect products or media flowing through process lines.

## HYGIENIC SIGHT GLASSES

### Dixon HSC-Series Hygienic Sight Glass

Harco introduces Dixon HSC-Series Hygienic Sight Glasses for fluid transfer. Ideal for the transfer of liquid products where identification of product flow or color is required. Used widely in the food, dairy, and beverage sanitary processes to view products and fluids.

#### Applications

- Used widely in the food, dairy, and beverage sanitary processes to view products and fluids
- Can be used in industrial applications when you want to CIP and require 316L stainless steel construction



### Dixon In-Line Sight Glass B54BMP

Harco introduces Dixon's In-Line Sight Glass B54BMP (sight flow indicator/sight glass tube) for fluid transfer. In-Line sight glasses are transparent tubes installed in pipes to provide a visual means of verifying the flow direction and flow rate of fluids; and inspect products or media flowing through process lines. Used widely in the food, dairy, and beverage sanitary processes to view products and fluids.



### Dixon Viewport In-Line Sight Glasses

The strongest, most secure sanitary sight glass indicator available, Viewport's mechanically prestressed windows are available in a sanitary clamp design for sight ports in processing applications or inline visual flow indicators. Unlike some other sight glasses, Dixon's Viewport in-line sight glasses meet the USP Type 1 standard for pharmaceutical use.

Viewports from Dixon are manufactured to fit sanitary clamp connections. With simple and fast installation with no risk of breakage, this sleek, compact, one-piece design provides a cleaner look, less bacteria traps and unsurpassed safety. The Dixon Viewport in-line sight glass can be used as a sight glass indicator mounted on a ferrule, a "cross" for inline visual flow indication or as a light port. Many other connection types are also available. Materials available include 2205 Duplex Stainless Steel, Hastelloy®, Monel® and Inconel®.



Visit our web site at <https://www.harcosupply.com/products/sight-glasses/>

## SANITARY FITTINGS & GASKETS

Harco carries a range of sanitary gaskets in various styles and materials, as well as a wide selection of stainless-steel sanitary fittings, all in stock for same-day shipment.

### FITTINGS

#### Sanitary Fittings

Harco's stainless-steel sanitary fittings are available in 304 and 316 S.S., suitable for a wide range of applications. Ideal for food and beverage processing, biopharmaceutical operations, straining, filtering, and more, these fittings serve sanitary processing needs in the dairy, food, beverage, pharmaceutical, cosmetics, and other high-purity industries. Fittings include bends, tees, adapters, and reducers such as Bevel Seat, John Perry, I-Line, Union, Flanges, Clamp Style, Butt-Weld, Industrial Weld, Biopharmaceutical, SMS, and DIN. Stainless-steel tubing is also available—please contact us for more information.



### SANITARY GASKETS

#### Sanitary Pipeline Gaskets




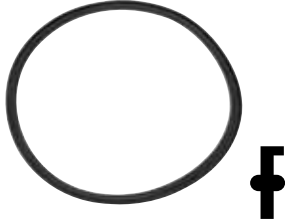









Harco carries a range of sanitary pipeline gaskets in various styles and materials, all in stock for same-day shipment. It is our policy to provide the highest quality products. Our flexible, non-toxic gasket compounds meet FDA specifications for direct contact with dairy products and edible oils, as well as 3-A, USDA, and NSF criteria. Low-swell characteristics make them ideal for exposure to oils, steam, and water. Our sanitary pipeline gaskets come in a number of styles and materials to fit your application.

- Tri-Clamp Gaskets
- Schedule 5 Gaskets
- Bevel Seat Gaskets
- John Perry
- Q-Line & I-Line Gaskets
- Mesh Screen
- Perforated Plate Gaskets
- Orifice Plates















Visit our web site at <https://www.harcosupply.com/tubes-fittings-gaskets/>

# SANITARY GASKETS

TUBE O.D./FRACTIONAL Mini Clamp Gaskets		Standard Clamp Gaskets		Flanged Clamp Gaskets		Flanged Clamp Gaskets	
							
42MP-U Buna-N 42MP-SFY Viton™ 42MP-E EPDM 42MP-G Teflon™ 42MP-X Silicone  42MPG-TS Tuf-Steel	Sizes Available 0.25" 0.5" 0.75"	40MP-U Buna-N 40MP-SFY Viton™ 40MP-E EPDM 40MP-G Teflon™ 40MP-X Silicone 40MP-UW Buna-N (white) 40MPG-TS Tuf-Steel	Sizes Available 1", 1.5", 2", 2.5", 3", 4", & 6"	40MPF-U Buna-N 40MPF-SFY Viton™ 40MPF-E EPDM 40MPF-G Teflon™ 40MPF-X Silicone 40MPF-UW Buna-N (white)	Sizes Available 1", 1.5", 2", 2.5", 3", 4", & 6"	40MOF-U Buna-N 40MOF-SFY Viton™ 40MOF-E EPDM 40MOF-X Silicone  40MOG-TS Tuf-Steel	Sizes Available 6", 8", 10" & 12"
Schedule 5 Flanged Gaskets		Schedule 5 Standard Gaskets		Schedule 5 Envelope Gaskets made with Teflon™		Schedule 5 I-Line	
							
40MV-F U Buna-N 40MV-SFY Viton™ 40MV-E EPDM 40MV-G Teflon™ 40MV-X Silicone	Sizes Available 6", 8", 10" & 12"	40MV-U Buna-N 40MV-SFY Viton™ 40MV-E EPDM 40MV-G Teflon™ 40MV-X Silicone  40MVG-TS Tuf-Steel	Sizes Available 1", 1.5", 2", 2.5", 3", & 4"	A40MV-GR Teflon™	Sizes Available 1", 1.5", 2", 2.5", 3", 4", 6", 8", 10" & 12"	40IT5 Teflon™  40IT-TS Tuf-Steel	Sizes Available 1", 1.5", 2", 2.5", 3", & 4", & 6"
Standard Bevel Seat Gaskets		Flat Bevel Seat Gaskets		Teflon Envelope Clamp Gaskets		John R. Perry Gaskets	
							
40 BS-O Buna-N 40 BS-BY Viton™ Standard 45° C.I.P. 90 Durometer  40BS-H Teflon™ (white) Standard Heavy Duty 45°  40BSS-TS Tuf-Steel	Sizes Available 1", 1.5", 2", 2.5", 3", & 4"	40BS-F Buna-N Flat	Sizes Available 1", 1.5", 2", 2.5", 3", & 4"	40MP-GR Type E - Teflon™ Envelope	Sizes Available 1", 1.5", 2", 2.5", 3", 4", & 6"	40JP-U Buna-N Also available in Viton™ and Teflon™, prices on request.  40JPG-TS Tuf-Steel	Sizes Available 1", 1.5", 2", 2.5", 3", & 4"
<b>Detectomer® Gaskets</b>		Tri-Clamp Gaskets available in: Buna, EPDM, Silicone & Viton  Bevel Seat available in: Buna-N			Sizes Available 0.5", 0.75", 1", 1.5", 2", 2.5", 3", 4", 6" & 8"		
							



# SANITARY GASKETS

Orifice Plates	Socket Screen Gaskets	Screen Gaskets	Perforated Plate Gaskets
			
A80MP-U Buna-N A80MP-SFY Viton™ A80MP-E EPDM A80 MP-G Teflon™ A80MPG-TSS Tuf-Steel	T-SOCK-size  Sizes Available 1", 1.5", 2", 2.5", 3", & 4"	40MP-US Type 316 stainless steel; .025 dia. wire; width of opening .075 inch between wires; O/A 56.8%; 100 openings per square inch. 40MPG-TSS Tuf-Steel	40MP-UP Type 316 stainless steel; .033" dia. straight line centers; 324 holes per square inch; 28% O/A. Other size perforated discs are available.
Sizes Available 1", 1.5", 2", 2.5", 3", 4", & 6"		Sizes Available 1", 1.5", 2", 2.5", 3", 4", & 6"	Sizes Available 1", 1.5", 2", 2.5", 3", 4", & 6"
Snaprite	D40	SMS	APC Elastomeric Gaskets
			
HS-size HST-size	D40-size	SMS-40	101H-size Buna-N
Sizes Available 1", 1.5", 2", 2.5", 3", 4", & 6"	Sizes Available 1", 1.5", 2", 2.5", 3", 4", & 6"	Sizes Available 1", 1.5", 2", 2.5", 3", 4", & 6"	Sizes Available 1", 1.5", 2", 2.5", 3", & 4"
Q-Line Gaskets	I-Line Gaskets	ISS	Cam Groove
			
40QH Buna-N 40QSFY Viton™ 40QE EPDM 40QT Teflon™ 40QS Silicone 40QTS Tuf-Steel	40IH Buna-N 40IV Viton™ 40IE EPDM 40IT Teflon™ 40IT-TS Tuf-Steel	ISS-size	CG-size
Sizes Available 1", 1.5", 2", 2.5", 3", & 4"	Sizes Available 1", 1.5", 2", 2.5", 3", 4", & 6"	Sizes Available 1", 1.5", 2", 2.5", 3" & 4"	Sizes Available 1", 1.5", 2", 2.5", 3" & 4"

Custom options may be available.

## CLEANING & WASHDOWN EQUIPMENT

Harco Enterprises offers a complete range of cleaning and washdown equipment from Strahman and Archon Industries, along with industrial hoses and tubing for a variety of applications across all industries. From mixing stations and spray nozzles to hoses, tubing, and hose reels, we have the right product to fit your needs.

## CLEANING & WASHDOWN EQUIPMENT

### Cleaning & Washdown Equipment

High-quality, efficient, and long-lasting products for dairy, food, brewing, pharmaceutical, and many other industries across North America. Our range includes hoses, spray and mini nozzles, steam and water mixing stations, and a variety of other cleaning and washdown solutions.

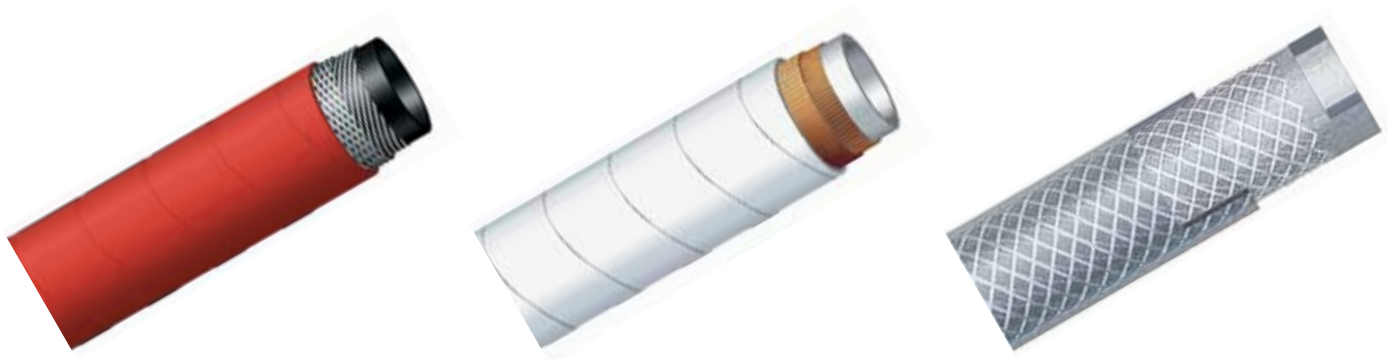
**ARCHON** 



## HOSE & TUBING

### Hose & Tubing

Harco offers a wide variety of hoses, tubing, couplers, adapters, and fittings to meet your application requirements. Our catalog includes general-purpose hoses, air hoses, water discharge and suction tubing, high-temperature and steam tubing, petroleum hoses, and many more.



Visit our web site at <https://www.harcosupply.com/cleaning-wash-down-equipment/>

## LUBRICANTS

Harco offers a range of sprays and lubricants from Haynes, McGlaughlin Oil Company, Moovit, and our own CFIA-approved sanitary spray, the HL-7.

Blended from the highest-quality ingredients, our lubricants perform reliably across a wide range of applications. Most are FDA- and CFIA-approved.

### Lubricant brands we carry:

- Haynes Manufacturing: *LubriFilm*, *Haynes 500*, *CIP Film*, *Haynes Spray*, *Homogenizer Oil*
- Petrol Gel
- C.I.P. Lube
- Moovit Lubricants
- Harco HL-7
- Sanitary food-grade lubricants

**Haynes Lubricants (pg. 56)** Designed for maximum efficiency, specifically formulated with the highest-quality base oils and additives to meet the unique demands of all types of food processing equipment.

**Petrol Gel (pg. 60)** The number-one sanitary lubricant used in the dairy industry and soft-serve machines. The popularity of this technical white grease has expanded to all areas of food manufacturing.

**Moovit (pg. 57)** Blended from the highest-quality natural ingredients, uniquely formulated to loosen rusted or seized parts, nuts, and bolts with ease.

**Harco HL-7 (pg. 56)** Harco's sanitary lubricating spray HL-7 is suitable for use on dairy and food processing equipment where contact with food may occur.











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

## SANITARY LUBRICANTS




HARCO	Description	Pack	Unit
 <p><b>HL-7 Sanitary Lubricating Spray</b> 11 oz. Spray Cans</p> <p>CFIA Approved</p>	<p>A light-duty sanitary lubricant packaged in handy aerosol spray cans for fast application on food processing equipment, as well as drawer slides, doors, hinges, and more.</p> <p>Harco's HL-7 is suitable for use on dairy and food processing equipment where contact with food may occur. It contains FDA- and USDA-accepted ingredients and is odorless, tasteless, and non-toxic. USP* Liquid Petrolatum allows safe use on food processing equipment. HL-7 contains no animal or vegetable fats, will not turn rancid, and remains neutral in contact with food products.</p> <p><b>Applications:</b> Sanitary valves and stems, pistons and rings, conveyors, mixers, sliding pump parts, slicers, cutters, fillers, wrappers, gates, wheels, hinges.</p>	12	11 oz.
HAYNES	Description	Pack	Unit
 <p><b>Lubri-Film Spray</b> Heavy Duty 11.25 oz. Spray Cans</p> <p>CFIA &amp; FDA Approved</p>	<p>A heavy-duty sanitary lubricant with high load-bearing, low-friction properties. Authorized by NSF (rated H1) for use in food processing plants where incidental food contact may occur.</p> <p>Provides a protective coating for all metal parts. A thin film remains effective on bearings, slides, and other lubricated surfaces even in the presence of moisture. Corrosion is minimized, and the lubricant is highly resistant to separation or bleed. It will not dry out or gum.</p> <p><b>Applications:</b> Positive pumps, homogenizer pistons, size reduction equipment, plug valves, dispensing units, centralized lubrication systems, beverage equipment, freezers, stainless-steel threads, separators, clarifiers</p>	6	11.25 oz.
 <p><b>Haynes Spray</b> Light Duty 9 oz. Spray Cans</p> <p>CFIA &amp; FDA Approved</p>	<p>A light-duty sanitary oil lubricant suitable for all sanitary machine parts. Authorized by NSF (rated H1) for use in food processing plants where incidental food contact may occur.</p> <p>This U.S.P.* light-duty spray can be used safely on food processing equipment, as well as on drawer slides, doors, hinges, wheels, carts, or anywhere a light oil is needed in and around the food processing area. Contains no animal or vegetable fats and is completely neutral—it will not turn rancid, contaminate, or taint food products. Odorless, tasteless, colorless, and non-toxic.</p> <p><b>Applications:</b> Valve stems, homogenizer pistons and rings, positive pump parts, wheels (carts, chairs, equipment), hinges (doors, windows, equipment), slides, internal machinery parts, anti-rust film, release agent, filling machines, and gates.</p>	6	9 oz.



HAYNES	Description	Pack	Unit
 <p><b>Haynes Silicone Spray</b> 12 oz. Spray Cans Drums</p> <p>CFIA &amp; FDA Approved</p>	<p>A versatile sanitary spray lubricant suitable for a variety of machine parts. Authorized by NSF (H1, 3H) for use in food processing plants where incidental food contact may occur.</p> <p>Minimizes cleanup time and reduces sticking on food packaging and processing equipment. Can be used as a release agent on plastic or rubber mold equipment and as an anti-rust film on machinery. Formulated with a high percentage of silicone for optimal performance on food processing and packaging equipment.</p> <p><b>Applications:</b> Belts, slides, fillers, valves, conveyors, mandrels, guide rails, anti-rust film, transfer chutes, release agent, packaging equipment, plastic injection mold equipment.</p>	6	12 oz.
 <p><b>Haynes 500 PLUS Sanitary Synthetic Lubricating Spray</b> 11.25 oz. Spray Cans</p> <p>CFIA Approved</p>	<p>Designed specifically to reduce friction and wear in high-speed bearings, this synthetic grease features a high drop point (500°F) to extend lubrication intervals and maintain performance in higher-temperature applications. It offers excellent resistance to water washout, steam, chemical attack, and other contaminants, and is compatible with virtually all elastomers.</p> <p>With superior load-carrying properties, it performs reliably in both low and high-temperature applications, with a recommended operating range of -40° to 400°F and intermittent use up to 500°F. NSF-rated H1, Kosher, and Halal certified.</p> <p><b>Applications:</b> Pumps, valves, bearings, ovens, packings, plug valves, high-load-bearing equipment, ball joints, universal joints, positive pumps, meat processing equipment, and continuously moving slicing equipment.</p>	1 or 10	11.25 oz.
MOOVIT	Description	Pack	Unit
 <p><b>Moovit High Performance Penetrating Lubricant</b> Aerosol #11014</p> <p>CFIA Approved</p>	<p>Blended from the highest-quality natural ingredients, Moovit is uniquely formulated to loosen rusted or seized parts, nuts, and bolts with ease. Its molecular capillary action combined with superior lubrication reduces torque and thread wear, extending the life of machinery and equipment.</p> <ul style="list-style-type: none"> <li>• Non-toxic, non-flammable (as a liquid)</li> <li>• Non-solvent, non-synthetic, non-silicone</li> <li>• Non-conductive, non-abrasive, non-alkaline</li> <li>• Will not evaporate</li> <li>• Withstands extreme pressure</li> <li>• Clean, non-tar, non-creosote formula</li> <li>• Compatible with all metals, alloys, plastics, and rubber</li> </ul> <p><b>Applications:</b> Threading and tapping oil, air tool lubricant, bearing and shaft lubricant, tire mounting, unseizing motors and other machinery.</p>	12	14 oz.
 <p><b>Precision Pump</b> Non-Aerosol #13045</p> <p>CFIA Approved</p>	<p>Non-aerosol design. One press of the nozzle delivers a metered 0.12 ml spray. Press lightly for a fine stream, or firmly for a spray or mist. The nozzle accepts a 4" extension tube for hard-to-reach areas. Ideal for precise application of Moovit's 100% active ingredient, non-solvent formulation. Approximately 2,360 sprays per can.</p>	12	4 oz.

HAYNES	Description	Pack	Unit
 <p><b>Lubri-Film Tube</b> 4 oz. Tubes</p> <p>CFIA &amp; FDA Approved</p>	<p>A heavy-duty sanitary lubricant with high load-bearing, low-friction properties. Authorized by NSF (H1) for use in food processing plants where incidental food contact may occur.</p> <p>Provides a protective coating for metal parts. A thin film remains effective on bearings, slides, and other surfaces even in moisture. Minimizes corrosion, resists separation or bleed, and will not dry or gum.</p> <p><b>Applications:</b> Positive pumps, homogenizer pistons, size reduction equipment, plug valves, dispensing units, centralized lubrication systems, beverage equipment, freezers, stainless-steel threads, separators, clarifiers.</p>	12	4 oz. tube
 <p><b>Lubri-Film Cartridge</b> 12 oz. Cartridge Drums</p> <p>CFIA &amp; FDA Approved</p>	<p>Heavy-duty sanitary lubricant with high load-bearing, low-friction properties. Authorized by NSF (H1) for use in food processing plants for incidental food contact.</p> <p>Provides a protective coating for all metal parts. A thin film remains effective on bearings, slides, and other surfaces despite moisture. Minimizes corrosion, highly resistant to separation or bleed, and will not dry or gum.</p> <p><b>Applications:</b> Positive pumps, homogenizer pistons, size reduction equipment, plug valves, dispensing units, centralized lubrication equipment, beverage equipment, freezers, stainless-steel threads, separators, clarifiers.</p>	1 or 12	12 oz. cartridge
 <p><b>Lubri-Film PLUS</b> 4 oz. Tubes Drums Pails</p> <p>CFIA &amp; FDA Approved</p>	<p>Heavy-duty sanitary lubricant with extended performance and low-friction properties. Authorized by NSF (H1) for use in food processing plants for incidental food contact.</p> <p>Designed for longer lubrication intervals, reducing downtime for relubrication. Wears evenly on all moving parts, preventing metal-to-metal contact and equipment damage. Will not dry or gum, and is highly resistant to separation or bleed. Cleans off equipment easily, saving time.</p> <p><b>Applications:</b> Pumps, meat slicing equipment, cheese processing equipment, dispensing units, bearings, packings, plug valves, mixers, slicers, batch freezers, soft-serve machines, shake machines, frozen drink machines, cappuccino machines, yogurt machines, pasta machines, hospital beds, beverage equipment.</p>	12	4 oz.
 <p><b>Haynes CIP Film</b> 4 oz. Tubes Drums Pails</p> <p>CFIA &amp; FDA Approved</p>	<p>NSF-registered H1 for use in food processing plants where incidental food contact may occur. Specifically formulated for Clean-In-Place (CIP) systems, this lubricant has a low melting point of 120°F, making it ideal for equipment requiring frequent lubrication. Completely odorless, tasteless, and non-toxic.</p> <p><b>Applications:</b> Fittings, positive pumps, threads, valves, multi-port flow selectors, plug valves, and all sanitary CIP system parts requiring daily lubrication.</p>	12	4 oz. tube

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HAYNES	Description	Pack	Unit
<p><b>Haynes 500</b> 14 oz. Cartridge Drums Pails</p>  <p>CFIA &amp; FDA Approved</p>	<p>Designed specifically for food processors with high-temperature, high-load applications, offering extreme pressure properties and boundary friction protection.</p> <p>Features a high drop point to extend lubrication intervals and maintain performance in elevated temperatures. Excellent resistance to water, steam, chemical attack, and other contaminants. NSF-rated H1 for use in food processing plants for incidental food contact, and also Kosher and Halal certified.</p> <p><b>Applications:</b> Pumps, ovens, bearings, packings, plug valves, positive pumps, meat processing equipment, high-load-bearing equipment, ball joints, universal joints, and continuously moving slicing equipment.</p>	1 or 10	14 oz. cartridge
<p><b>Haynes 500 PLUS</b> 4 oz. Tubes 12 oz. Cartridge Drums Pails</p>  <p>CFIA &amp; FDA Approved</p>	<p>Designed to reduce friction and wear in high-speed bearings, this synthetic grease features a high drop point (500°F) to extend lubrication intervals and maintain performance in high-temperature applications. It resists water washout, steam, chemical attack, and other contaminants, and is compatible with virtually all elastomers.</p> <p>Offers superior load-carrying properties for both low- and high-temperature applications, with a recommended operating range of -40° to 400°F and intermittent use up to 500°F. NSF-rated H1, Kosher certified, and Halal certified.</p> <p><b>Applications:</b> Pumps, valves, bearings, ovens, packings, plug valves, high-load-bearing equipment, ball joints, universal joints, positive pumps, meat processing equipment, and continuously moving slicing equipment.</p>	1 or 10	14 oz. cartridge
<p><b>Haynes Silicone Grease</b> 4 oz. Tubes Drums Pails</p>  <p>CFIA &amp; FDA Approved</p>	<p>A food-grade grease suitable for a variety of applications in food and pharmaceutical plants where incidental food contact may occur. NSF-rated H1 and compliant with all regulatory agencies.</p> <p>Formulated with the highest-quality silicone fluid and additives to meet the unique demands of all types of food processing equipment. Prevents valves and O-rings from sticking in both high-temperature and low-temperature (freezing) conditions. Can be used in high-vacuum or high-pressure systems to seal synthetic rubber and plastic parts in contact with metal. Inert and resistant to many chemicals, making it ideal for use on EPDM seals where grease compatibility is a concern.</p> <p><b>Applications:</b> Valve seats, O-rings, flow meters, plug valves, electrical connectors, dielectric grease, assembly lubricant for rubber and plastic parts, EPDM seals, high-vacuum or pressure systems.</p>	12	4 oz. tube

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HAYNES		Description	Pack	Unit
<div>Haynes® Anti-Seize and Lubricating Compound</div> <div>2 oz. Container</div> <div>7 oz. Jar, Pails, Drum</div> <div></div> <div>CFIA &amp; FDA Approved</div>		<div>A premium food-grade lubricant that meets FDA and NSF requirements for incidental food contact. Virtually odorless, colorless, tasteless, and non-staining, this multi-purpose grease is suitable for a variety of applications in and around food processing areas.</div> <div>Provides maximum lubrication up to 475°F, keeping parts working longer with less wear. Prevents rust and corrosion, resists water and chemical washout, and is safe for pipe threads used with potable water without imparting odor or taste. Protects bearings by preventing water and contaminants from entering.</div> <div><b>Applications:</b> Nuts, bolts, and screws; pipe and stainless-steel fittings; valve stems and assemblies; pumps, gears, chain drives, and sprockets; gasket release agent; bushings; press-fit assemblies; conveyor and oven bearings; packaging machinery; worm gears; slow-speed or high-load-bearing equipment (&lt;500 RPM); rollers; bottling machinery.</div>	1	2 oz.
McGLAUGHLIN OIL COMPANY		Description	Pack	Unit
<div>Petro-Gel</div> <div>CFIA &amp; FDA Approved</div> <div></div> <div><ul style="list-style-type: none"><li>• Tasteless and odorless</li><li>• Will not taint</li><li>• Impervious to water</li><li>• Operating Temp 0°-185°F</li><li>• High melting point 195°F</li><li>• Technical white grease</li></ul></div>		<div>The number-one sanitary lubricant used in the dairy industry and soft-serve machines. The popularity of this technical white grease has expanded to many areas of food manufacturing, including meat and poultry packing, bakeries, beverage, brewery and distilleries, food packaging, fruit and juice canners, vegetable canners, and more.</div> <div>It is the purest of lubricants, made with an odorless, tasteless, high-viscosity paraffinic base oil and compounded with food-grade additives to meet performance demands for all recommended applications. Authorized by USDA (H1) for use where incidental contact with food may occur.</div> <div><b>Applications:</b> Sanitary fittings, stainless steel valves, homogenizer pistons, filling machine pistons, centrifugal pumps, guide and slide mechanisms, continuous direct-draw ice cream freezers, gaskets and seals, and O-rings.</div>	6 or 12	4 oz. tube
HAYNES		HAYNES		
<div></div> <div>Haynes Oil</div> <div>2.5 Gallon Pour Container</div> <div>CFIA &amp; FDA Approved</div>	<div></div> <div>Haynes Homogenizer Oil</div> <div>5 Gallon Pails Drum</div> <div>CFIA Approved</div>			

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## INSTRUMENTATION

Harco offers a complete line of instrumentation, including sanitary and industrial pressure gauges, digital and bi-metal thermometers, and flow measurement devices for liquids, gases, and steam. Our range also includes chart recorders and pens. We supply products from industry leaders such as Bürkert, Endress+Hauser, Chicago Stainless, Alfa Laval, and more.

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## PRESSURE GAUGES & THERMOMETERS

### Sanitary Pressure Gauges & Thermometers

Harco supplies a wide range of modular and unimodular digital thermometers and pressure gauges for the dairy, food service, beverage, industrial, and pharmaceutical industries across North America. We carry products from trusted brands such as Chicago Stainless and Winters Instruments.

Our selection includes:

- Sanitary Digital Thermometers
- Bi-Metal Thermometers
- Sanitary Pressure Gauges
- Pharmaceutical Pressure Gauges
- Homogenizer Pressure Gauges
- Industrial Stainless-Steel Pressure Gauges
- Sanitary RTD's & Temperature Transmitters



## FLOW METERS

### Sanitary & Industrial Flow Meters

Harco offers a complete line of sanitary and industrial flow meters from industry leaders such as Endress+Hauser, Bürkert, and Alfa Laval. Whether measuring water, gas, chemicals, or steam, we understand that every application is unique and can provide a customized solution to meet your specifications.

Endress+Hauser 



## STAINLESS STEEL PAILS, UTENSILS & SINKS

Minimize the risk of bacterial migration and cross-contamination with stainless steel products. Its ease of cleaning makes stainless steel the top choice for facilities requiring strict hygienic standards, including food, beverage, and pharmaceutical processing. Stainless steel also offers corrosion resistance, strength, and excellent formability—key benefits for demanding applications.

Harco supplies a full line of stainless steel pails, utensils, and sinks, ideal for food and dairy processors, beverage producers, pharmaceutical facilities, breweries, fisheries, and other industries across Canada and North America.

### STAINLESS STEEL PAILS & UTENSILS

#### Sanitary Stainless Steel Pails & Utensils

Harco carries a wide variety of sanitary pails and utensils, including:

- Stainless steel long handle dippers
- Sampling dippers
- Special bacteriological dippers
- Flat-back round-bottom scoops
- Round-back round-bottom scoops
- Flat scoops
- Stainless steel storage containers
- Beakers
- Stainless steel forks
- Shovels
- Scoops and dippers
- Stainless steel pails and containers
- Cans
- Measures and funnels
- Cheese plant accessories



### STAINLESS STEEL SINKS

#### Stainless Steel Hand Wash Sinks & Wash Stations

Harco offers a full line of stainless steel hand wash sinks and wash stations from Columbia Products, a trusted leader in the food processing and commercial industries since 1949. Columbia specializes in hands-free operation and sanitary design to help prevent cross-contamination and reduce the risk of food-borne illness. Decades of manufacturing and engineering expertise have established Columbia as the standard in the food processing industry.

COLUMBIA  
PRODUCTS



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## OUR CAPABILITIES



**Based in Peterborough, Harco is a leader in the supply, design, fabrication, and repair of sanitary components and stainless steel equipment for the pharmaceutical, food, dairy, brewery, and beverage processing industries. Since 1964, we have proudly provided quality service and support to customers across North America.**

We offer high-quality brands and materials, ensuring that every custom project meets the highest standards from start to finish. Our full range of sanitary stainless steel processing equipment includes pumps, valves, mixers, blenders, homogenizers, separators, and custom fabrications. Backed by extensive parts, repair services, and customer support, we stand behind everything we sell.

*Harco is committed to creating forward-thinking solutions that enhance efficiency, protect product integrity, and drive your bottom line.*

**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.

