





# Supply House to the Processing Industries Since 1964

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

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

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

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

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

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

## SANITARY PUMPS

Harco is considered a leader in the sizing and supplying of pumping technology for hygienic industry practices. Specifically designed to meet the sanitary requirements of various industries, our high-efficiency pumps save energy and increase productivity.

A Sanitary pump is at the very heart of processing systems. Harco offer's a superior selection of pumps assuring that your pump meets the exact needs of your application. Our pumps and installation material offer solutions for all process stages and almost certainly the solution you need.

We supply a superior line of sanitary pumps to food, dairy, beverage and pharmaceutical industries.

Harco is a distributor for **Alfa Laval**, as well as **Ampco Pumps**. In addition, we also supply pumps and parts for the following brands including **FLUX**, **Murzan**, G&H Pumps, Crepaco, APV/SPX Pumps, Waukesha Pumps, Tri-Clover, Wilden Pumps, Jabsco, Fristam, LC Thomsen and more.

**Centrifugal (pg. 2)** Centrifugal pumps are used for general applications like water, intermittent product pumping, emptying tanks and drums, and even clean-in-place (CIP) duties.

**Positive Displacement (pg. 6)** Our positive displacement pumps are ideal for low-, medium- and high-viscosity media.

**Twin Screw (pg. 9)** Twin screw pumps can adapt to your needs according to the viscosity, temperatures, working pressures, and speed of your process lines.

**Air-Operated Double Diaphragm Pumps (pg. 10)** Diaphragm Pumps provide a safe and efficient transport of product

**Drum & Container Pumps (pg. 11)** They cover a wide range of applications from low to high viscosity fluid transfer and are easy to dismantle and clean.



## CENTRIFUGAL PUMPS

### LKH Series Pumps

The LKH pump from **Alfa Laval** is an efficient and economical centrifugal pump. It meets hygienic and gentle product treatment and chemical resistance requirements. And, since the LKH Series spans many sizes, you always have the most resourceful pump for your centrifugal needs.

With the shaft seal positioned outside the pump, difficult-to-clean components will not come into direct contact with the product. The front-loading design allows quick and easy replacement, providing more uptime with lower maintenance costs. Interchangeable single, flushed and double seals simplify spare parts inventory.

This pump's impeller design ensures efficient and gentle handling of the product as it moves through the pump. This ensures product integrity and minimizes NPSHr (Net Positive Suction Head required).

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



### LKH Prime Pumps

The LKH Prime from **Alfa Laval** is a highly efficient, versatile and hygienic self-priming pump that uses a combination of air-screw technology and advanced design to meet the most stringent requirements in a range of industries including food, dairy, beverage, pharmaceutical, home and personal care.

The ability to clear air from the suction pipe, combined with a low noise level and high pumping efficiency, makes the LKH Prime a CIP powerhouse. Ideal for tank emptying and CIP return applications, with verified effective CIP cleanability, LKH Prime can be used as a product pump as well.

The LKH Prime has an external single or a double mechanical shaft seal. Both have stationary seal rings made from stainless steel AISI 329, with sealing surface in silicon carbide and rotating seal rings in carbon.

The pump is easy and cost effective to service and maintain. By sharing common parts with other Alfa Laval LKH range pumps, the LKH Prime offers low cost of ownership and increased uptime, backed up by the security that comes from Alfa Laval's global service network.

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



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

## LKHPF Pumps

The Alfa Laval LKHPF for High Inlet Pressure is a high pressure, high efficiency centrifugal pump ideally suited for high pressure filtration applications. Precision-engineered, the LKHP Filtration pump delivers greater energy efficiency than similar premium pumps. Its optimized design, premium motor, tight tolerances and advanced impeller design minimize recirculation and reduce energy consumption.

Designed for inlet pressures up to 40 bar and for Cleaning-in-Place (CIP), the Alfa Laval LKHPF pump is ideal for use in filtration systems across the food, beverage, home-personal care, biotechnology and pharmaceutical industries. LKH PF centrifugal pumps increase process productivity while providing high efficiency and gentle product handling.

The LKHPF pump is available in nine sizes to handle capacities up to 280 m<sup>3</sup>/h and differential pressures up to 11 bar at 50 Hz.

**Contact Harco for your Alfa Laval LKHPF Pump or LKHPF replacement part inquiries.**

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



## LKH Multistage Pumps

The Alfa Laval LKH Multistage is designed to 3-A standards and available in two-, three or four-stage models. The LKH Multistage Pumps save space and energy by replacing up to three booster pumps in a line. Suitable for high-pressure applications with low-capacity requirements, and many types of filtration applications.

They withstand system pressures up to 40 bar and deliver differential pressures up to 19 bar at 50 Hz. Designed for Cleaning-in-Place (CIP), and meeting the hygienic requirements of the dairy, food and beverage, personal care, biotechnology and pharmaceutical industries.

The Alfa Laval LKH-110, LKH-110P and LKH-120P pumps are highly efficient multistage centrifugal pumps. Precision-engineered and available with up to four stages, these LKH Multistage Pumps deliver high energy efficiency, increasing process productivity and gentle product handling. Their optimized design, premium motor, tight tolerances and advanced impeller design minimize recirculation and reduce energy consumption.

**Contact Harco for your Alfa Laval LKH Multistage Pump or LKH Multistage replacement part inquiries.**

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



## Solid C Series Pumps

The **Alfa Laval** Solid C centrifugal pump is a standard duty pump for basic transport duties in hygienic applications commonly used in food, dairy, beverage and pharmaceutical industries.

With its hygienic design, cost-effective operation and quick, easy maintenance, the Solid C ensures an excellent return on investment.

Solid C centrifugal pumps offer consistent performance and maximum cleanability. The pump interior is designed to control surface contamination and features O-rings with defined compression. Compliance with 3A, CE, FDA and EHEDG requirements offer an excellent level of hygiene.

The Solid C has a semi-open impeller, which provides gentle handling of the product. Smooth crevice-free surfaces eliminate any dead zones where bacteria can thrive. In addition, the Solid C is easy to clean and employs FDA-approved elastomers.



**Contact Harco for your Alfa Laval Solid C Pump or Solid C replacement part inquiries.**

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

## AMPCO AC/AC+ Series Pumps

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

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

### Other AC+ Series sanitary pump benefits:

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

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



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

## AMPCO CB+ Series Pumps

The CB+ is Ampco's centrifugal pump with an internal mechanical seal. This pump is designed specifically for brewing and distilling.

It features an internal seal which allows for easy cleaning, prevents pooling on the seal, and permits greater seal pressure with less leaking. It also includes the same shaft collar and threaded impeller nut as the Ampco AC+. The collar clamps down evenly on all sides of the drive shaft, preventing the slight wobble that can occur from set screws.

The impeller pin used on most C-Series pumps is replaced with a threaded impeller nut that secures the impeller in place. Two specialized gaskets are used to seal the shaft and to allow a CIP procedure to clean behind the impeller. Together, the collar and bolted impeller reduce rattling at lower speeds.

**Contact Harco for your Ampco CB+ Pump or CB+ replacement part inquiries.**

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



Ampco Pumps Company

## AMPCO LC/LF/LD Series Pumps

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

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

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

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



LC Series Pump



LF Series Pump

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

Ampco Pumps Company

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

## AMPCO SP Series Pumps

The Ampco SP Series self-priming liquid ring pumps suit products with entrained air and CIP return applications. Entrained air is the cause of noise, vibration, seal failure, general performance reduction, or eventual pump failure.

Designed to handle entrained air conditions, while maintaining specified performance and efficiency levels, the SP is built with extremely tight manufacturing tolerances.

A unique vane-shaped or wagon-wheel style impeller design allows the SP to handle shear sensitive products efficiently, while maintaining peak pump performance.

**Contact Harco for your Ampco SP Pump or SP replacement part inquiries.**



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

## POSITIVE DISPLACEMENT PUMPS

### SRU Series Pumps

The **Alfa Laval** SRU rotary lobe pump is engineered to provide reliable performance, trouble-free operation, and superior energy efficiency for demanding applications.

The contamination-proof pump meets high standards of hygiene, low-shear and low-pulsation operation, and handles both Cleaning-in-Place (CIP) and Sterilization-in-Place (SIP).

The SRU's modular design offers greater flexibility to configure exactly the right solution for specific process requirements. For different process requirements, the pump features an R90 external shaft seal, which may be specified in various materials and configurations in order to ensure the correct shaft seal for the application. Alternatively, the SRU can be fitted with Hyclean mechanical seals and other seal solutions.

Along with its range of models and capacities available in horizontal or vertical porting, the SRU comes with other options, including standard and custom seals, heating/cooling saddles and jackets, an integrated pressure relief valve, and a rectangular inlet for pumping high viscosity fluids.

**Contact Harco for your Alfa Laval SRU Pump or SRU replacement part inquiries.**



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

## 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 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. 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

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



Alfa Laval DuraCirc®



Alfa Laval DuraCirc® Aseptic

## AMPCO ZP1 & ZP2 Series Pumps

The **ZP1 pump** is considered an industry workhorse. With a proven design, the ZP1 is a simple choice, with 9 models to choose from to do the job. It has a large installed base in both sanitary and non-sanitary applications. With seal modifications like the PTFE double-lip seal, the ZP1 is dedicated to the toughest applications. It's also well suited for sanitary industrial and chemical applications, and is commonly used in oil, gas and fracking industries. The ZP1 is versatile, durable and resistant to chemical wear, and also conforms to 3A sanitary standards.

The **ZP2 Series** has a stainless steel gearcase and is built for Cleaning-in-Place (CIP) ability, with enclosed rotor nuts. It's designed to withstand higher pressures with its large 17-4ph stainless steel shafts. The ZP2 is capable of withstanding pressures of up to 500 PSI and is 3A certified.

**Contact Harco for your Ampco ZP1/ZP2 pump or ZP1/ZP2 replacement part inquiries.**



Ampco Pumps Company

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

## AMPCO ZP3 Pumps

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

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

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

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

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



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

## NEW AMPCO ZP 4 Series Pumps

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

Harco proudly presents the **NEW Ampco ZP4 Series positive displacement pump**, a compact marvel engineered for unparalleled precision, reliability, and efficiency in positive displacement pumping. In this category of sanitary pumps, the Ampco ZP4 pumps compact design stands out, ensuring optimal performance for low-flow and dosing applications.

What truly distinguishes the Ampco ZP4 Series positive displacement pumps from other options are its innovative ZERO rotor to rotor contact design and robust stainless-steel construction. This combination not only enhances durability but also ensures a reliable and efficient pumping process.

Furthermore, the Ampco ZP4 Series circumferential piston pump is crafted to eliminate any potential for product zone contamination arising from pump wear. Making it an ideal choice for applications where maintaining product integrity is paramount. Elevate your pumping experience with the Ampco ZP4 Series positive displacement pump – the epitome of compact, efficient, and contamination-free positive displacement pumps from Harco.

**Contact Harco for your Ampco ZP4 pump or ZP4 replacement part inquiries.**

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



## TWIN SCREW PUMPS

### Bornemann SLH Series Pumps

**Bornemann SLH Series** is the leader in twin screw pump technology. The SLH models are offered in three configurations: SLH-4U standard model, the SLH-4G premium design and the SLH-5G the next generation in dual-duty. All models are 3A- and EHEDG-certified for sanitary standards and provide tremendous capabilities.

Product handling features include a maximum viscosity of 1 million cP, pressure rated over 360PSI/25bar, flow rates over 1300 GPM/300m<sup>3</sup>/hr and particle sizes as large as 2.3"/58mm.

Designed for the gentle handling of soft solids and viscous products, the SLH is virtually pulsation-free. Being capable of processing and Clean-in-Place (CIP), without additional pump requirements, makes the SLH a dual-duty pump.

**Contact Harco for your Bornemann Pump or Bornemann replacement part inquiries.**



SLH-4U



SLH-4G



SLH-5U



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 PI 50 Series is manufactured to meet general 3-A standards.

#### Construction

**PI 50 DL — 304 SS Wetted Parts**

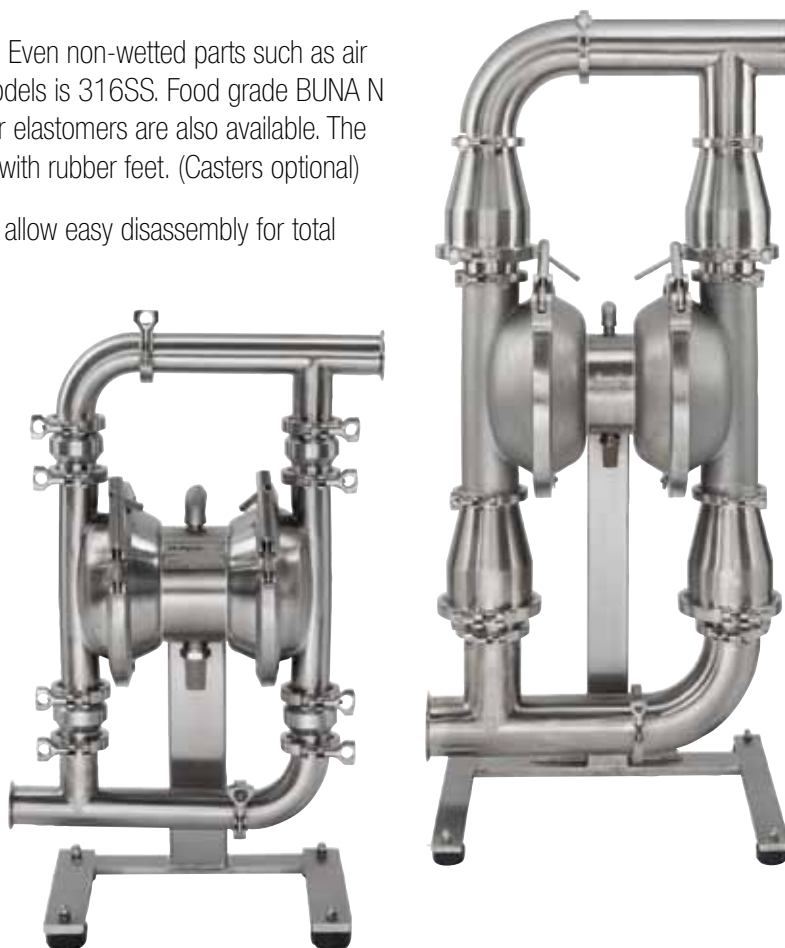
**PI 50 SL — 316L SS Wetted Parts**

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

**Contact Harco for your Murzan PI-50 Pump or replacement part inquiries.**

**MURZAN**  
PUMPS & PROCESSING SYSTEMS



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

## 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 and the eccentric worm-drive pump F560 FOOD. All FOOD pumps are in stainless-steel. They cover a wide range of applications from low to high viscosity fluid transfer and are easy to dismantle and clean. Moreover, the FP 430 FOOD barrel pump features explosion protection for the transfer of alcohols.

Their light weight design makes the pumps ultra-portable while ease-of-use of both pump and motor make installation a breeze. Sealed, top pull-out designs for easy cleaning as well as sealless designs with run-dry capability are both available in high head and ATEX options. 3A Certified and FDA compliant versions available.

Pump tubes are interchangeable with wide array of FLUX motors, offered in both electric and compressed air options.

These pumps are especially designed to meet the specific requirements of the food, cosmetic and pharmaceutical industries. Models can be used in 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 pump F/FP 427 is ideal for hygienic applications and suitable for conveying media out of drums, totes, IBCs and other containers. The pump has minimal dead spots. The drive shaft, the inner and the outer tube are made of stainless steel (316 Ti resp. 1.4581).



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

The universal F/FP 430 pump can be used for various media and is suitable for conveying out of drums, totes, IBCs and tanks. Examples of media - acids, alkalis, flavours and spirits.

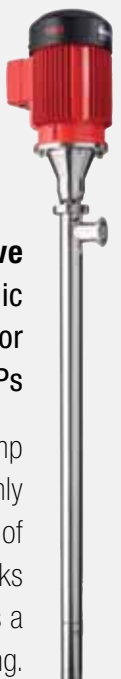


#### **F560 GS Gear drive pump - For hygienic applications with planetary gear drive for liquids up to 50,000 cPs**

The FLUX F560 GS progressive cavity pump with planetary gear is suitable to pump thin to medium viscosity liquids. This positive displacement pump works smoothly at a constant pressure and ensures a gentle, pulsation-free pumping.

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

The FLUX F560 S progressive cavity pump with bearing flange is suitable to pump highly viscous products and liquids just capable of flowing. This positive displacement pump works smoothly at a constant pressure and ensures a gentle, pulsation-free pumping.



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

## PUMP CARTS

### Custom Portable Sanitary Centrifugal & PD Pump Carts

Harco offers highly **customized centrifugal and positive displacement pump carts** to fit all of your application needs and built exactly to your specifications. We can supply, design and fabricate your sanitary pump carts for the pharmaceutical, food, dairy, brewery, and beverage processing industries.

Harco's custom built Centrifugal and PD Carts are lightweight and robust, designed for maximum mobility. They are constructed of corrosion-free 304 stainless steel tubing, durable and corrosion resistant polypropylene wheels. Each versatile cart is built to customer specifications, and can include any of our centrifugal pumps using the LENZE VFD's.

Carts are ergonomically designed for ease of use in tight spaces. Built to withstand harsh working environments – inside and out – our pump carts can stand up to whatever the 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/>

## OUR CAPABILITIES



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

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

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

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

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





# Product Line Card

Supply House to the Processing Industries Since 1964

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



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

