



Positive Displacement Pumps



FKL- Engineered For Lasting Performance

Stop rebuilding, replacing, and spending your valuable time on other PD pumps. Fristam's FKL pump simply runs better and lasts longer.

True CIP means no parts are removed. At Fristam, we believe not only the pump should remain in place during CIP, but all of its parts: cover and rotors, too.

Centrifugal Pumps

A Fristam centrifugal pump's housing, cover, and impeller are made from 316L stainless steel castings and forgings for more substantial mass. Due to its solid construction, Fristam centrifugals can withstand more hydraulic shock and cavitation which can ruin a pump.

Internal Seal - Fristam's unique internal seal uses the cooling and lubrication of the product to provide longer seal life.

Close Internal Clearance - Internal clearances are as tight as 0.5 mm, making the pumps highly efficient and very gentle on product.

Optimized Impeller - The 'optimized vane angle' design of Fristam impellers maximizes efficiency and allows for low NPSH requirements.

Fristam centrifugals run smoothly and quietly.



FPR- The Fristam FPR is a high performance sanitary centrifugal pump that features a front-loading seal for service in place.

The Fristam FPR Series reduces maintenance time and effort. Designed with a front-loading seal, the FPR allows production personnel to service the pump in place—without special tools. FPR pumps have fewer parts, so processors have fewer maintenance parts to stock. FPR pumps handle flow rates up to 2000 gpm.



FPX- The FPX Series centrifugal pump features the same high performance pump head as the FP. The FPX is the pump of choice for most conventional applications. Superior value results from its mounting style and the use of a single internal seal only.

FP- The versatile heavy-duty FP pump is the cornerstone of the Fristam line. For vacuum withdrawal from evaporators, viscous, hot or abrasive products, and many other applications, the Fristam FP Series is the benchmark for the sanitary processing industry.



FZX- This sanitary liquid ring pump provides new capabilities for handling products with entrained air. By using a specially designed impeller and housing, the FZX maintains its prime when other pumps become air bound. This feature makes the FZX more efficient for complete evacuation of tanks and lines during normal process or CIP.

Mixing & Blending

FS Shear Blender- Fristam's FS Series Shear Blender for inline mixing, blends products quickly and consistently. Compared to conventional methods, the Shear Blender shortens processing times significantly.

The Shear Blender's rotor-stator design eliminates unblended product and prevents lumps and masses in product for consistent, repeatable results.

- Improves product texture
- Reduces processing time
- Economical to operate and maintain
- Low maintenance design for continuous duty and CIP - Easy Maintenance



Centrifugal Pumps



C-Series pumps offer strong performance and competitive price/value within the lower spectrum of heavy-duty, centrifugal pump applications. It can be installed in a series without fear of seal failure from elevated inlet pressures, even with viscous products.

- Hydraulic balancing reduces pressure at sealing surface for less wear, greater efficiency .
- Easy-cleaning, open type impeller delivers smooth pumping performance .
- Enlarged inlets available for larger suction lines
- Standard CIP capability
- Pump and parts are interchangeable with other C-Series brands .



200 Series - Designed for heavy-duty, high-efficiency applications. Provides exceptional corrosion resistance. Impeller and shaft are one piece, which connects directly to motor shaft, eliminating such problems as vibration, short bearing life, high NPSH requirements, high seal maintenance, poor alignment and adverse operating conditions.

- 316L stainless steel volute, backplate, impeller and shaft.
- Five-bladed impeller with deeper eye for improved inlet characteristics
- Modular seal design - one size fits all models
- Wide range of seal options, including standard commercial seals
- Strong JM-type motor with large bearings and strong shaft
- Base mounting options available with all sizes
- Temperature range of fluids up to 450° F

Positive Displacement Pumps

Universal 1 Series - Waukesha Cherry-Burrell's traditional "Can-Do Pump." Versatile in application, its reliability has made it one of the industry standards worldwide for more than 50 years.



- Easy cleaning and disassembly
- Flexible, three-way mounting
- Field interchangeable single and double O-Ring and mechanical seals
- Exclusive, non-galling Waukesha "88" alloy rotors
- 3-A and BISCC approved

- Maximum pressure: 200 psi (13.8 bar)
- Temperature range: -40° F (-40° C) to 300° F (149° C)

Universal 2 Series - In addition to the proven operation and durability of the Universal Series, this pump includes advanced sanitation technologies, long life features and installation flexibility.



- Bidirectional flow
- Large diameter shafts for greater strength & stiffness
- Rotor/shaft connection sealed from the product zone
- Extended-life outer seal
- Mechanical seals standard
- 316 pump body standard; 316L pump body optional
- Heavy-duty bearing frame; stainless steel bearing frame optional
- Exclusive, non-galling Waukesha "88" alloy rotors for tighter running clearances and higher efficiencies
- Additional options: CIP capability, free draining body and cover for side mounted applications, seal flushing, steam-in-place, aseptic version
- Maximum pressure: 200-500 psi (13.8-34.5 bar), depending on model
- Temperature range: -40° F (-40° C) to 300° F (149° C)



When it comes to know-how, experience and product scope within the field of hygienic centrifugal pumps, it's hard to find a better partner than SPX. decades of experience in centrifugal pump design, covering premium brands such as APV and Waukesha Cherry-Burrell enable SPX to offer you a wide range of pumps for any processing application. Effective, reliable and quiet-running, they can help you cut production costs, reduce equipment breakdowns and ensure product integrity.



W+ is a comprehensive range of premium sanitary end-suction centrifugal pumps designed with maximum operating benefits and minimal life cycle costs in mind.

- Reliable and heavy duty design
- Energy efficient
- Quiet performance with minimal vibration
- Superior shaft seal design
- High pressure capability
- 3A (optional) and EHEDG (European Hygienic Engineering & Design Group) certified.
- Designed for CIP (Cleaning In Place) as well as SIP (Sterilizing In Place)
- Suitable for wide variety of food, beverage and pharmaceutical products
- Wide range of optional features available
- Easy and cost effective maintenance