

PHARMA/BIOTECH SOLUTIONS

Fluid Process Equipment | Service & Repair | Installation | Skid Systems | Valve Automation

PUMPS



Sanitary centrifugal, circumferential piston, rotary lobe and twin screw pumps

SPX APV

Homogenizers, sanitary centrifugal, rotary lobe pumps



Sanitary air operated diaphragm pumps, drum and tote unloading pump systems

NETZSCH

Sanitary progressive cavity pumps

NETZSCH

PERIFLO

Heavy-duty peristaltic hose pump



Flexible impeller pumps



Sanitary drum pumps



Sanitary precision metering pumps

ROTO-JET PUMP

High pressure central cleaning sanitation pumps



Multi-stage, general service and submersible centrifugal pumps

GRUNDFOS

In-line vertical multistage and digital dosing pumps

GOULDS PUMPS

Horizontal and vertical process pumps

VIKING PUMP
A Unit of IDEIX Corporation

Positive displacement gear pump



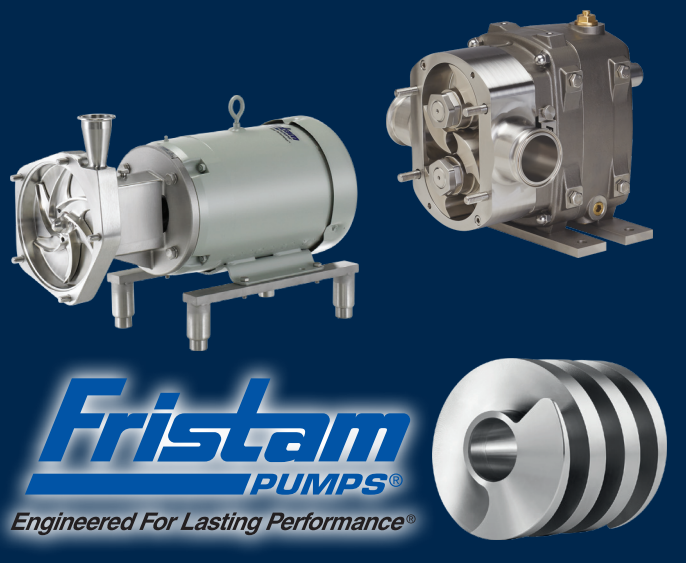
Self-priming centrifugal pumps

PULSAFEEDER

Metallic and non-metallic sealless mag drive gear pumps

SANDPIPER

Air operated double diaphragm pumps



FILTERS



SANI-MATIC

Manual clean sanitary filters and strainers

EATON

Mechanical self cleaning filters, manual clean strainers and bag filters



High capacity self-cleaning water filters



Bag, cartridge and carbon filters

MIXERS



Shear blenders, solids/liquid blending systems



Top and side entry mixers

CRANE ENGINEERING

Call 800-776-4425 or go to www.craneengineering.net

VALVES



Aseptic and hygienic seat valves, double seated mix proof with automation and control, over pressure and hygienic butterfly valves



Ball and butterfly valves; fittings for sanitary and pharmaceutical applications



Single seat valves, butterfly and check valves, valve repair components



Full line of sanitary ball, butterfly and check valves, relief and vacuum valves and sanitary specialties



Sanitary diaphragm and plug valves, sampling valves and 3A pressure gauges



Industrial process ball valves up to ANSI Class 1500, full and standard port with multi-port configurations, V-ball for control applications



ANSI Class High performance and resilient seated butterfly valves for a wide range of applications, manual or automated



Globe valves ideal for steam and water flow control, Hi-flow globe control, self-op temperature control and angle seat valves



Steam specialties; traps, strainers, separators, flash recovery, pressure and temperature control valves, steam motive pumps



Globe control valves, ball valves 2 & 3 piece, full & reduced port, V-port, multi-port, high pressure and metal seated options

ACTUATORS/AUTOMATION



Pneumatic rack & pinion, skotch yoke and electric actuators and accessories for valve automation and control



Electric, on/off, modulating, quarter turn, and linear actuators



Temperature sensors and assemblies including thermocouples, RTDs, PT100s, thermowells and accessories

SANITATION



CIP (Clean In Place) automated systems, COP (Clean Out of Place) or manual cleaning systems, tunnel washers, cabinet washers



REPAIR PARTS



HEAT EXCHANGERS

SPXAPV Sanitary plate & frame heat exchangers



Plate, shell & plate, and prime surface heat exchangers

MECHANICAL SEALS



Mechanical seals, packing and seal support systems



Air purge seals for horizontal mixers, blenders, and screw conveyors

COUPLINGS



Rotating equipment couplings

SERVICES

Equipment repair	Flooring, coatings, tank liners
Field service	Wastewater treatment
Vibration analysis	Packaged systems
Laser alignment	On-site valve Repair