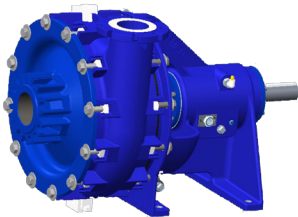




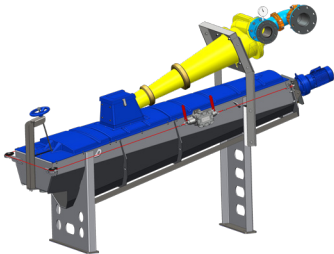
Industrial Process



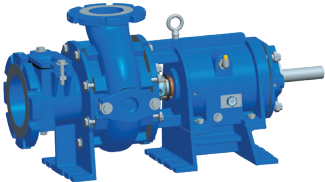
Waste Water



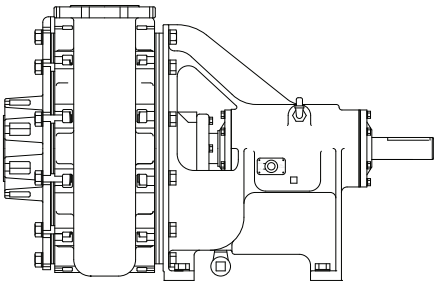
WEMCO® Torque-Flow®



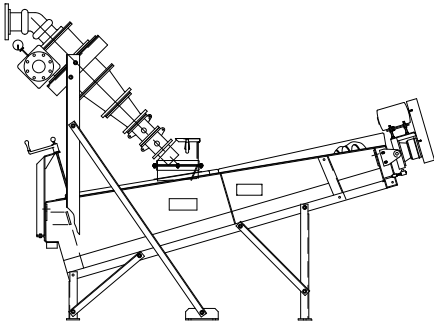
WEMCO® Hydrogritter®



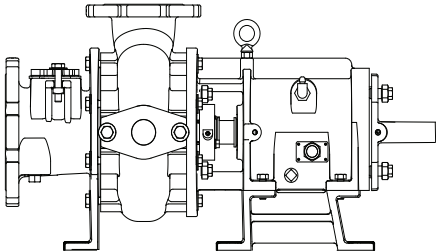
WSP™ Chop-Flow™



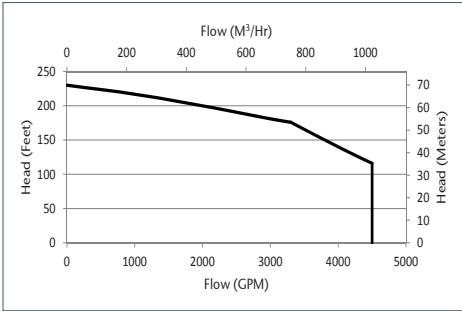
- The original recessed impeller pump
- Fully recessed cup-type impeller
- Replaceable hard-iron wear plate
- Two-piece case with replaceable suction piece
- Wet-end parts available in 650+ Brinell hardness
- SST wet-end available on some models



- Protects downstream equipment from grit damage
- Downtime and grit removal expense minimized
- Proven ability to remove fine (150+ mesh) grit
- Production life exceeding 25 years
- Cyclone clusters for higher flows



- Chops as it pumps
- Wrap around nose vanes
- One-piece cutter bar
- Rear pump out vanes with cutting slots
- Externally adjustable clearances



Flow, Q: 0 to 4,500 gpm. (0 to 1,022 m³/hr.)
Head, H: 0 to 230 ft. (0 to 70 m)
Min. Fluid Temp: 32° F (0° C)
Max. Fluid Temp: 200° F (93° C)

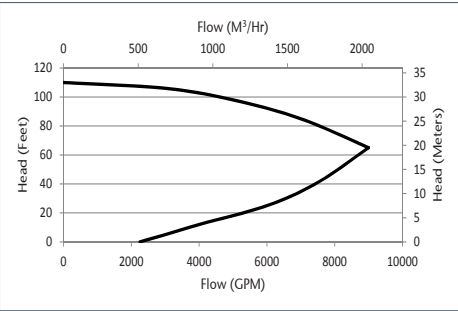
Configurations: Horizontal - vertical
Belt drive
Direct connect
Submersible
Cantilever

Applications: Waste water treatment
Grit and sludge
Chemicals
Abrasives
Fluids with large solids

Classifier Size	HP	Maximum Raking
12"	1/2	3/4 tons/hr
18"	1	2 tons/hr
24"	2	4 tons/hr
30"	3	5 tons/hr

Flow, Q: 220 to 1,570 gpm. (50 to 357 m³/hr.)
Head, H: 5 to 20 psi (.3 to 1.37 bar)
Min. Fluid Temp: 32° F (0° C)
Max. Fluid Temp: 122° F (50° C)

Configurations: Classifier overflow end-cyclone mount
Grit end cyclone mount
Single/multiple cyclone
Custom heights
Airtight with odor control

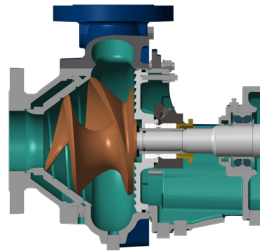


Flow, Q: 0 to 9,000 gpm. (0 to 2,043 m³/hr.)
Head, H: 0 to 110 ft. (0 to 34 m)
Min. Fluid Temp: 32° F (0° C)
Max. Fluid Temp: 200° F (93° C)

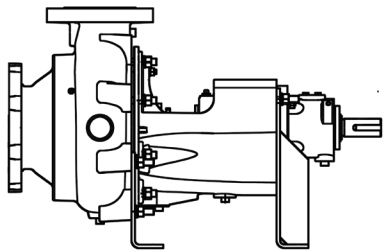
Configurations: Horizontal - vertical
Belt drive
Direct connect
Submersible

Applications: Food and beverage
Automotive
Waste water
Digester mixing

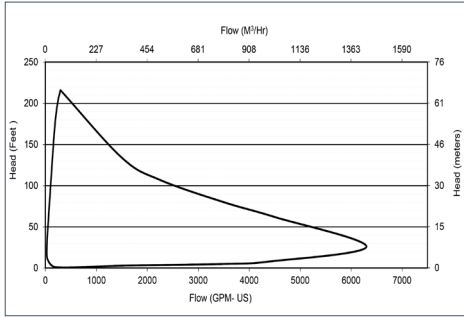




WEMCO® Screw-Flow



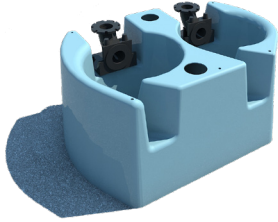
- High efficiency
- Clog-free operations
- Steep head capacity curve
- Low NPSH requirements
- Externally adjustable liners
- Abrasion-resistant construction



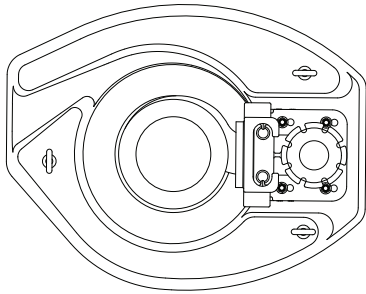
Flow, Q: 150 to 10,000 gpm. (34 to 2,275 m³/hr.)
Head, H: 6 to 270 ft. (2 to 82 m)
Min. Fluid Temp: 32° F (0° C)
Max. Fluid Temp: 180° F (82° C)

Configurations: Horizontal - vertical
Belt drive
Direct connect
Pre-rotation
Dry pit

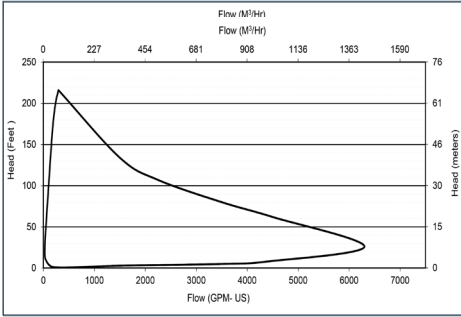
Applications: Mining/carbon transfer
Oily water
Food and beverage
Sludge/waste water
Unscreened sewage



WEMCO® Pre-rotation Basin



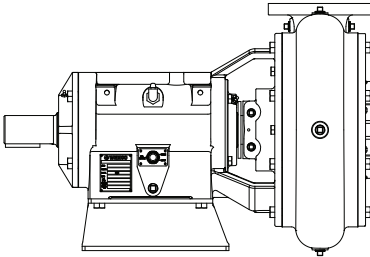
- Self-cleaning wet well
- Flow matching
- Eliminates vacuum truck clean-out
- Reduces odor, gas, and corrosion
- Float-able and settled solids removal
- Simple installation



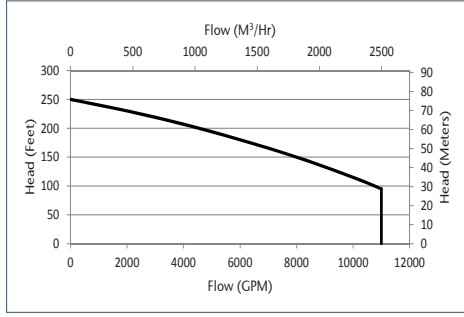
Configurations: Dry pit
Precast basins
Extended shafting



WSP™ Non-Clog



- Engine-driven (trailer or skid mounted)
- Extended operational life
- Large clean-out port
- Combined bearing frame and bracket to increase rigidity and reliability
- Prime assist option available

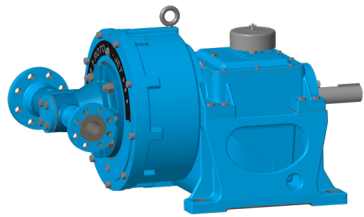


Flow, Q: 0 to 11,000 gpm. (0 to 2,498 m³/hr.)
Head, H: 0 to 250 ft. (0 to 76 m)
Min. Fluid Temp: 41° F (5° C)
Max. Fluid Temp: 250° F (121° C)

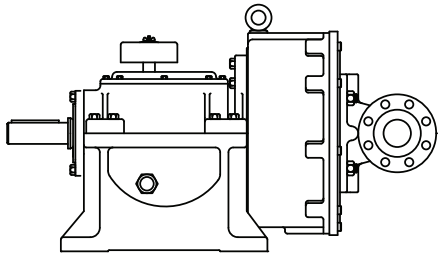
Configurations: Belt drive
Direct connect
Trailer mount
Horizontal - vertical

Applications: Dewatering
Bypass/transfer
Mining
Refinery

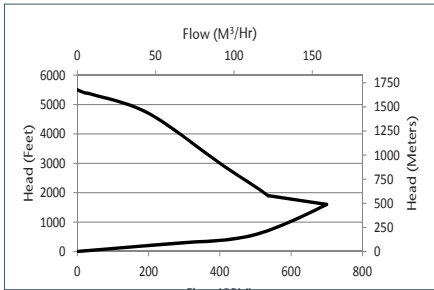




Roto-Jet® Pump

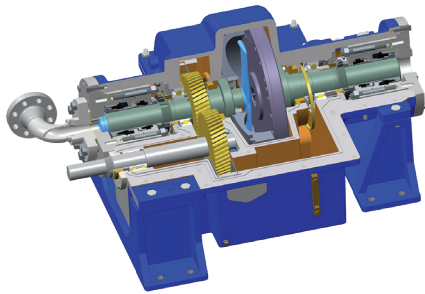


- High pressure without high speed
- Adjustable performance with change in pitot tube for high flexibility
- For simplicity, only two basic working parts
- Hydraulically stable along the entire performance curve and beyond BEP
- API 610 design available

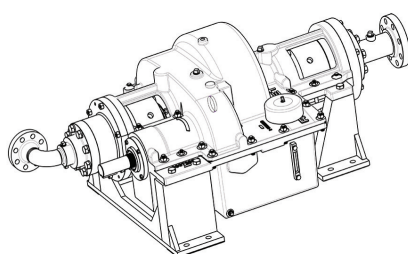


Flow, Q: 0 to 700 gpm. (0 to 159 m³/hr.)
Head, H: 0 to 1,900 ft. (0 to 579 m)
Min. Fluid Temp: 32° F (0 C)
Max. Fluid Temp: 550° F (288 C)

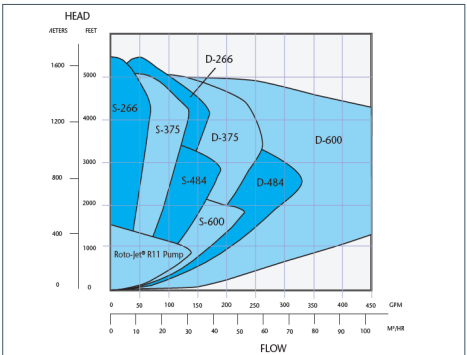
Applications: Boiler feed
Central cleaning systems
Water injection
High-pressure spraying
API/HPI



Roto-Jet® R0-FT Pump



- API 610 compliant
- Standard API 682 cartridge seals
- No external lube system required
- No wear rings or close running clearances
- Low NPSH3 without the use of an inducer
- Robust design is insensitive to process upsets
- Pulsation free flow over the entire head-flow curve
- Integral gearbox is isolated from process seal leakage
- Reduced life cycle cost by optimizing hydraulic efficiency
- Process seals exposed only to suction pressure for maximum seal life
- Between bearings arrangement minimizes shaft deflection at the seals
- Bearing L10 life exceeds API 610 requirements using rolling element bearings
- Patented rotor eliminates radial and axial thrust as a function of flow rate and suction pressure
- High-heads achieved in a single stage at low operating speeds compared to other low-flow, high-head pumps
- Pulsation free flow to MCSF of 10%
- Patented rotor eliminates radial and axial thrust as a function of flow-rate and suction-pressure resulting in no shaft deflection at the seal

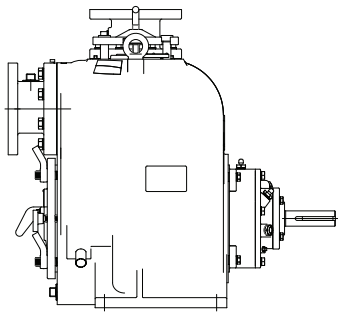


Flow, Q: 0 to 450 gpm. (0 to 102 m³/hr.)
Head, H: 0 to 5,500 ft. (0 to 1,676 m)
Max. Suction Temp: 250° F (121° C)
Max. Suction Temp: 550° F (288° C)
(with flush)

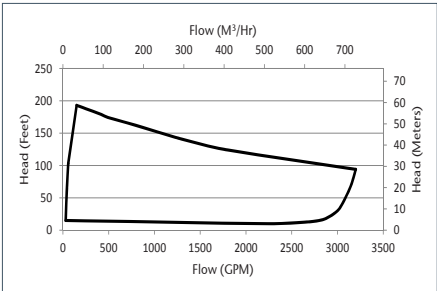
Applications: Caustic processing, amine treating, reflux streams, transfer services, boiler feed, Naphtha offshore, reactor feed, condensate and well injection, boiler feed water, foul water, diesel, gasoline, kerosene, sour water, depropanizer, deethanizer.



WSP™ Self-Primer

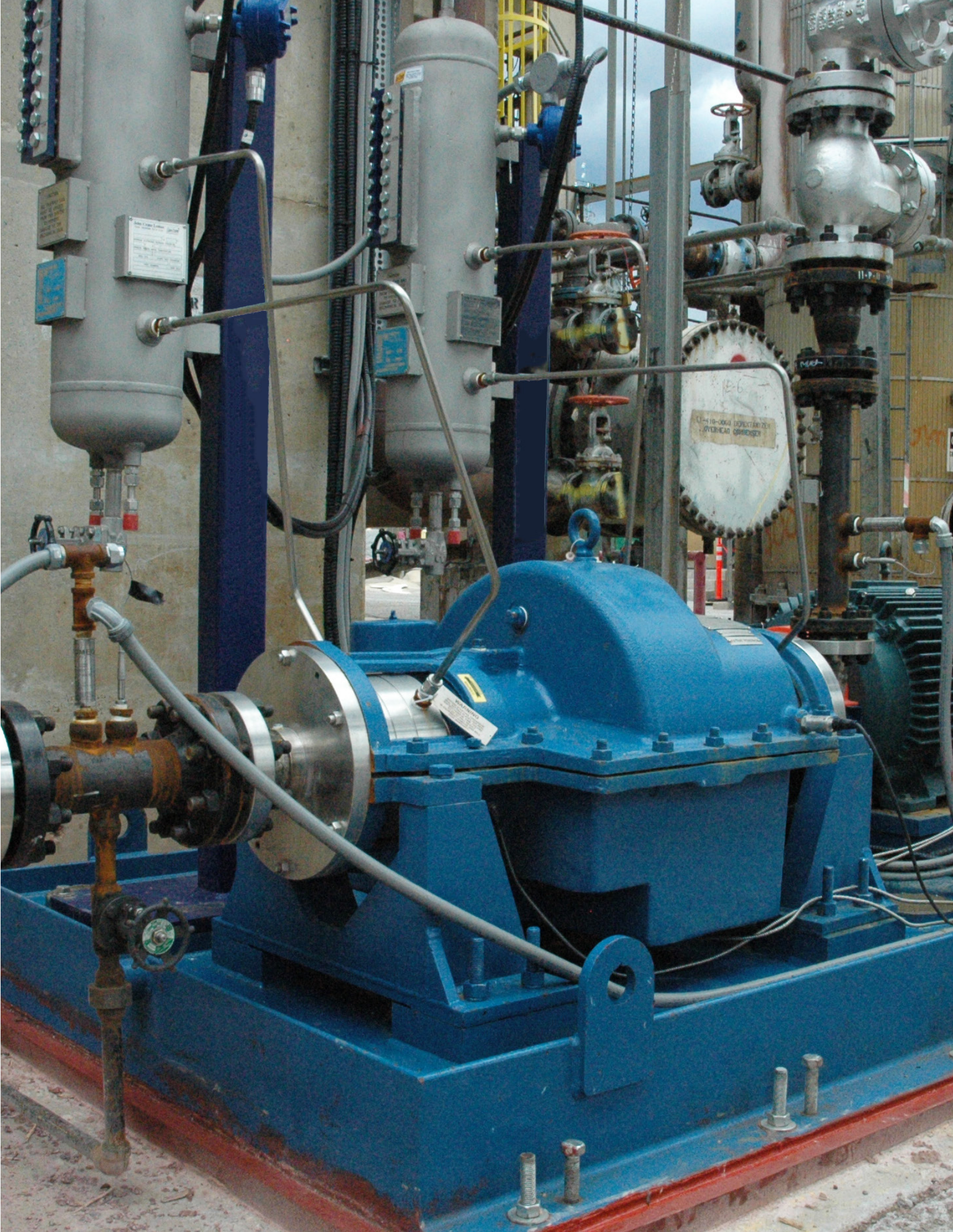


- Stainless steel 17-4 pH shaft
- Ductile iron casing and fill port cover
- Tool-less impeller adjustment
- Solid silicone carbide seal faces
- Low life cycle costs
- Self-priming



Flow, Q: 30 to 3,200 gpm. (7 to 727 m³/hr.)
Head, H: 0 to 250 ft. (0 to 76 m)
Min. Fluid Temp: 32° F (0° C)
Max. Fluid Temp: 180° F (82° C)

Applications: Industrial waste
Beef/pork/poultry processing
Mining
Sump clean out
Oil and gas tank transfer





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