

SMITH & LOVELESS



Vertical Close-Coupled

Non-Clog Pumps

FOR INDUSTRY



HIGHLY EFFICIENT PUMPING

UNPARALLELED CONSTRUCTION

VERSATILE APPLICATIONS

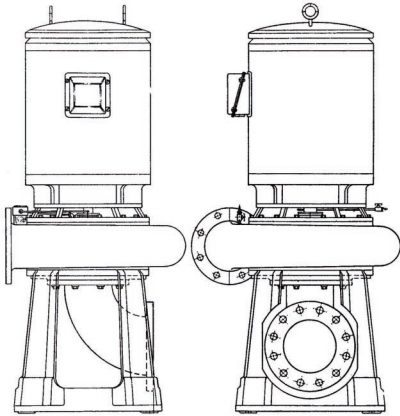
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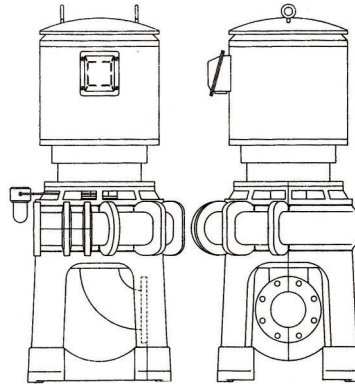
PUMP SIZING & CAPABILITY

Smith & Loveless Non-Clog Wastewater Pumps boast a strong legacy of efficient performance, durability and ease of maintenance. Look closely and appreciate our superior pump components – like our exclusive oversized stainless steel pump shaft and oversized bearings – all of which combine to deliver a generation or more of reliable, day-in, day-out, hassle-free service while keeping maintenance costs at a minimum. With versatile application (above-grade and underground pumping) and special options like premium efficiency, immersible motors, pressure-priming and single port impellers, Smith & Loveless Pumps meet the tough demands of industrial applications while helping to improve the bottom-line. We offer the following sizing options and experience:

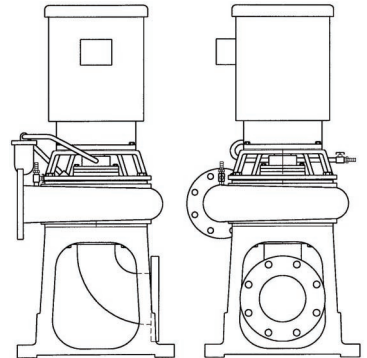
- 4" - 12" Pumps
- Pumping Rates From 75 - 7,000 GPM
- Reaching TDH's of 10' - 360' per Pump
- Tens of Thousands of Installations in the U.S. Alone
- Stainless Steel Shafts of 1 7/8", 2 1/8" and 3"
- Available in Numerous Pumping Configurations



Models 8C5A - 10D5A



Models 4C5 - 4D5

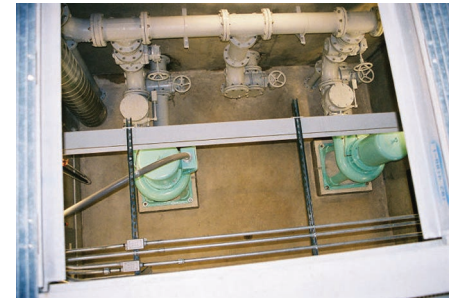


Models 4B2 - 4C2Y

I-SERIES™ IMMERSIBLE PUMPS

I-SERIES™ Immersible Wastewater Pumps by Smith & Loveless offer superior, non-clog wastewater pumping with the protection you need in flood-prone areas. Now you don't have to settle for lower efficiencies and shorter service life from dry-pit submersibles just to offer "flood insurance." Benefits include immersion capability up to 30 ft. for up to three weeks, premium efficiency and IEC rating of IP 67.

Smith & Loveless' immersible motors are designed to shut down in the event of flooding. When it occurs, a signal device notifies the SCADA system of potential flooding and shuts down the motors before they become submerged. The motors can flood to a depth of 30' without harm to the motor or pump. The motor remains off-line until the flood waters go down. At that time, the pump and motor can simply be placed back in service without removal or repair.



I-Series™ Pump Data

Power: Up to 200 HP

Sizing: 4" to 12"

INDUSTRIAL APPLICATIONS

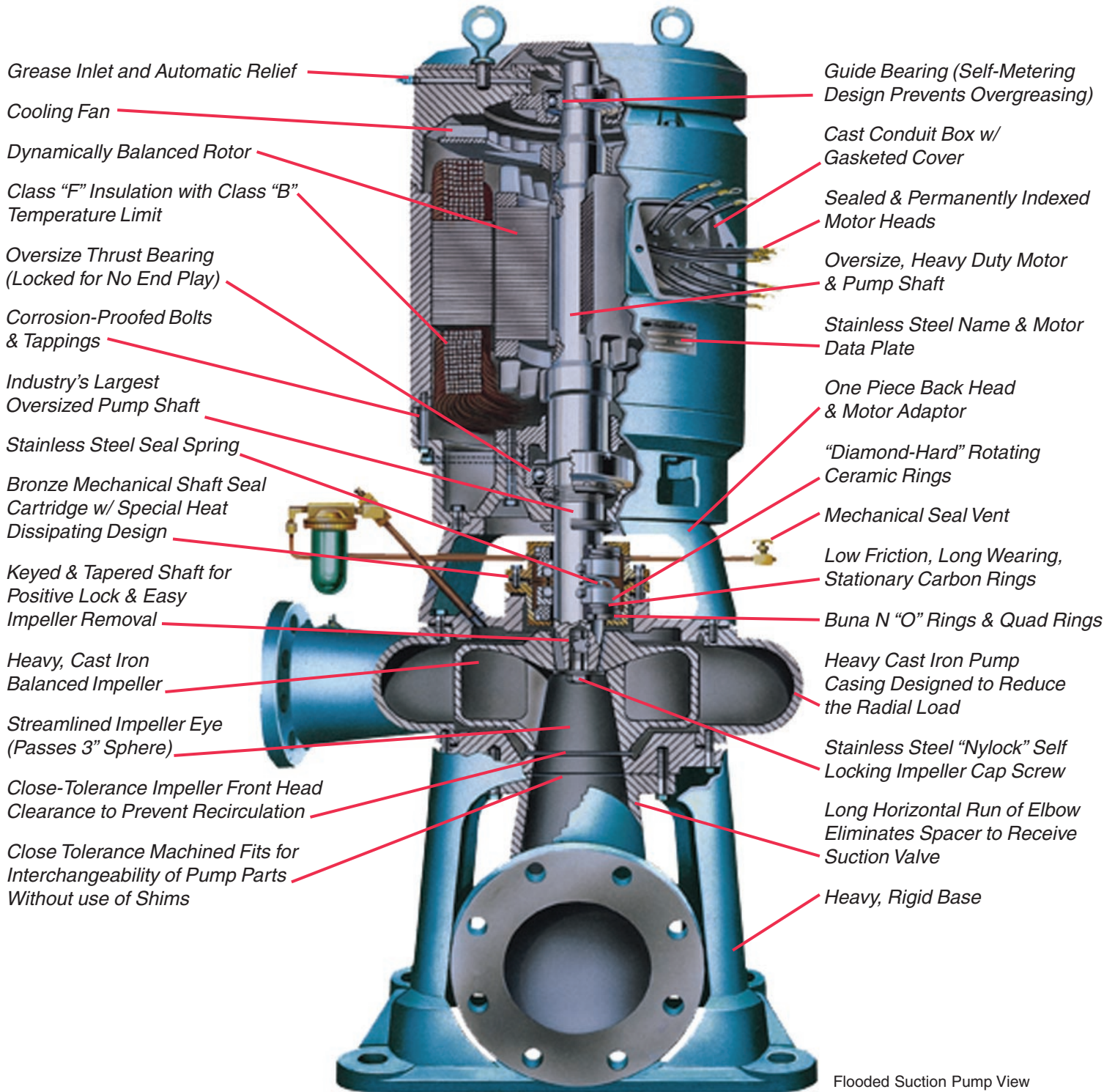
- Manufacturing Facilities
- Food Processing Facilities
- Stormwater
- Petrochemical / Chemical Facilities
- Use w/ Variable Frequency Drives on Low Flows
- Railyards
- Military Facilities
- Pulp & Paper
- Use for Extremely Low Flows Prone to Clogging

Smith & Loveless' Non-Clog, Flooded Suction Pumps are the most reliable pump in the industry, often lasting a generation or more. Trust S&L to deliver quality pumps at a reasonable cost.



CUTAWAY VIEW

S&L NON-CLOG PUMP



A BETTER WAY THAN SELF-PRIMING AND SUBMERSIBLE PUMPS



TM

Smith & Loveless pumps have been reliable and efficient workhorses for decades. Now, to better meet the specific needs of industry, we introduce our latest, innovative pump design. The new **PRESSURE PRIME™** pump retains the benefits of our vacuum primed pump with an even greater attention to safety, durability and ease of use.

The **PRESSURE PRIME™** system incorporates a plant compressed air source for the pump priming mechanism. This reduces the number of moving parts, resulting in less maintenance, which saves you money. The priming system can be used on single pumps or with our package pump stations. Suitable applications for the **PRESSURE PRIME™** system are: sump pump-out, locations with a limited footprint, Class 1 - Division 1 rated areas, transfer of wastewater and process water at high flows with low heads.

FEATURES

BENEFITS

Pump uses readily available plant compressed air supply to prime

Quick priming time, no dedicated electrical usage and no additional items to maintain

Replaces inefficient self-priming pumps and the hazards associated with them

No more overheated pumps, eliminating personnel safety concerns

Replaces submersible pumps

Eliminates confined space hazards, catastrophic seal failures and the messiness associated with submersibles

Reduced number of moving parts as compared to self-priming pump

Longer pump life, easier routine maintenance with fewer bearings and no oil filled seals

Pulls prime from behind the impeller at high point above the mechanical seal

Permits volute to be fully flooded, minimizes priming time and minimizes solids build-up in the priming system

Provides positive lubrication of the mechanical seal

Insures the mechanical seal is always lubricated prior to the pump starting, resulting in longer mechanical seal life

Durable, see-through priming dome

Allows for quick and easy visual inspection of the priming sensor

X-PELLER® – FOR EXTREME, TRASHY APPLICATIONS

X-PELLER®, the single-port pump impeller, is specifically designed for the extreme wastewater pumping applications with high volumes of trash in the flow. Trash can be problematic in lower flow applications (75 to 500 gpm) where materials can build up over time.

It has been successfully proven that the **X-PELLER®** effectively expels high volumes of stringly materials, rags and other unusual trash due to its single port design. Some of these applications include wastewater from food processing facilities, manufacturing facilities, railyards, military facilities and stormwater runoff.



**VISIT US ON THE WEB OR CALL US TODAY
TO LEARN MORE ABOUT OUR PUMPING SOLUTIONS!**

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