

More than two generations of skilled professionals globally, that specialize in the pump manufacturing industry. Our pumps are the world's leading choice for waste handling applications in industries such as:

Steel Mills   Paper Mills   Mining   Food and Bev   Energy   Manufacturing



# S | XS | XS-S SERIES PUMP SOLUTIONS

## ADVANCED TECHNOLOGY AND COMPATIBILITY

Our pumps are manufactured using the most advanced technology and are totally interchangeable with several other popular brands of solids-handling self-priming pumps.

### SUPERIOR SOLIDS HANDLING

Designed for economical, trouble-free operation, the solids handling capabilities of this series of pumps them ideal for a variety of application including solids- make laden liquids and slurries. The large volume design allows automatic repriming in a completely open system without the need for suction or discharge check valves. Available in connection sizes of two, three, four, six, eight, ten and twelve inches. Pumps four inch and larger are designed to allow up to three-inch diameter spherical solids to pass through any critical area, including the circulation port.

### EASY TO MAINTAIN

These pumps are designed with ease of maintenance in mind. Because they are self-priming, they can be mounted above the liquid being pumped. Should maintenance be required, it can be easily performed using common hand tools without disconnecting piping. The impeller, mechanical seal, wear-plate and check valve flapper can all be accessed through the clean-out cover opening.

### ADVANTAGES OF SELF-PRIME PUMPS

#### Logistics:

- No confined space entry required
- Pump located outside the wet well for easy unobstructed access
- No heavy lifting equipment required for repairs
- Powered by standard NEMA motors

#### Maintenance:

- Removable clean-out cover allows quick unclogging of pump
- Primary wear parts – mechanical seal, impeller and wear plate can be changed through removable cleanout cover (except 10" and 12" models)
- Rotating assembly easily removed for shop repairs without disturbing piping

#### Design:

- Rugged open impeller for solids handling to 3"
- Both speed and impeller trim can be employed to meet service conditions
- Impeller design keeps seal pressure low and reduces solids buildup in stuffing box
- Suction flapper check-valve speeds self-priming and eliminates foot valves
- 150# ANSI flange port connections are standard










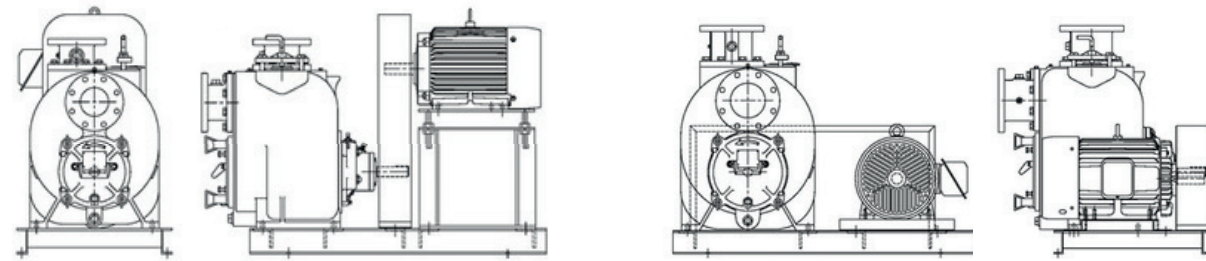
## RUGGED SELF-PRIMING, SOLIDS-HANDLING TRASH PUMPS



# SPECIALIZED SOLUTIONS FOR YOUR UNIQUE PUMPING NEEDS

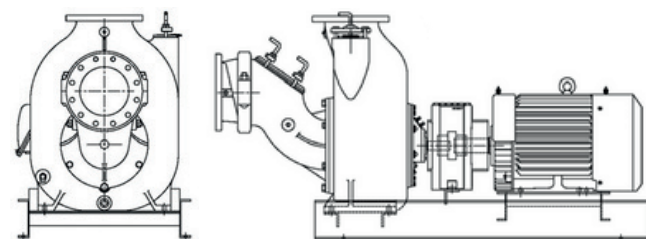
## SPECIFICATIONS

Materials	Maximum Capacity	Maximum Head	Maximum Solids
Cast-Iron, ADI, 304-SS, 316-SS, CD4, Hastelloy-C276, Bronze, Case-hardened	5,000 gpm	130 Feet	3 Inch
Sizes: 2, 3, 4, 6, 8, 10, and 12 Inches			
 2" XS Series	 3" XS-S Series	 4" XS-S Series	 6" XS-S Series
 8" XS-S Series	 10" XS Series	 12" S Series	



XS-4S Vertical V-Belt Drive

XS-6S Horizontal V-Belt Drive

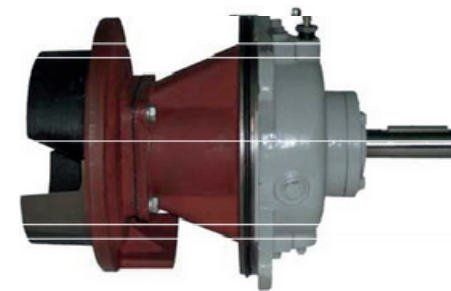


XS-10 Direct Drive



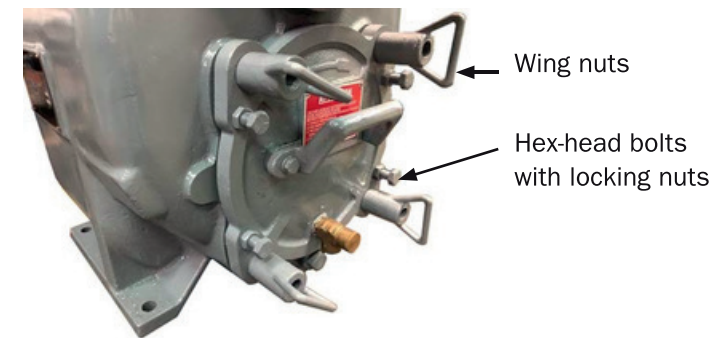
### Solids Handling Impeller

Two-vane, semi-open solids handling impeller handles up to 3" diameter solids, depending on pump model. Pump out vanes on impeller shroud reduce foreign material buildup behind impeller and reduce pressure on seal and bearings.



### Removable Rotating Assembly

The entire rotating assembly can be removed without disturbing pump volute or piping. Pusher bolts provide assistance with removal. A spare rotating assembly can be easily installed, resulting in less downtime.



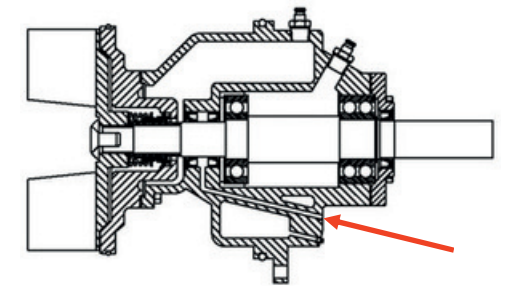
### External Shimless Adjustment - XS-S Series

Back Cover Assembly (Clean-Out Cover) features a four-point, external, shimless impeller to wear-plate clearance adjustment. (Models: XS-3S, XS-4S, XS-6S, XS-8S)



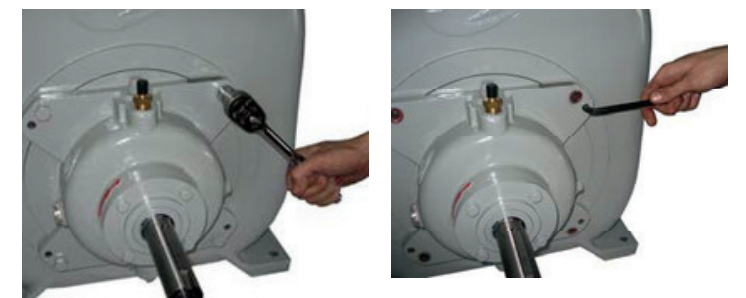
### Cartridge Seal

Double-floating, self-aligning oil lubricated mechanical cartridge seal with stationary and rotating face of tungsten titanium carbide is designed for abrasive and/or trash handling applications.



### Bearing Protection

Atmospheric barrier along with two lip seals provide additional protection of bearings. And allows external seal monitoring. (Not included on S-2, XS-2 & S-12 models)



### External Shimless Adjustment - XS Series

Increases the life of the impeller and wear-plate. The external shimless rotating assembly allows for adjustment of the clearance between the impeller and the wear-plate. The working height of the seal assembly and impeller back clearance are not disturbed. (Models: S-2, XS-2, XS-10)



**ROBUST STANDARD FEATURES MAXIMIZE PUMP EFFICIENCY AND ENSURE RELIABILITY**