

# WSP™ SELF-PRIMER PUMP

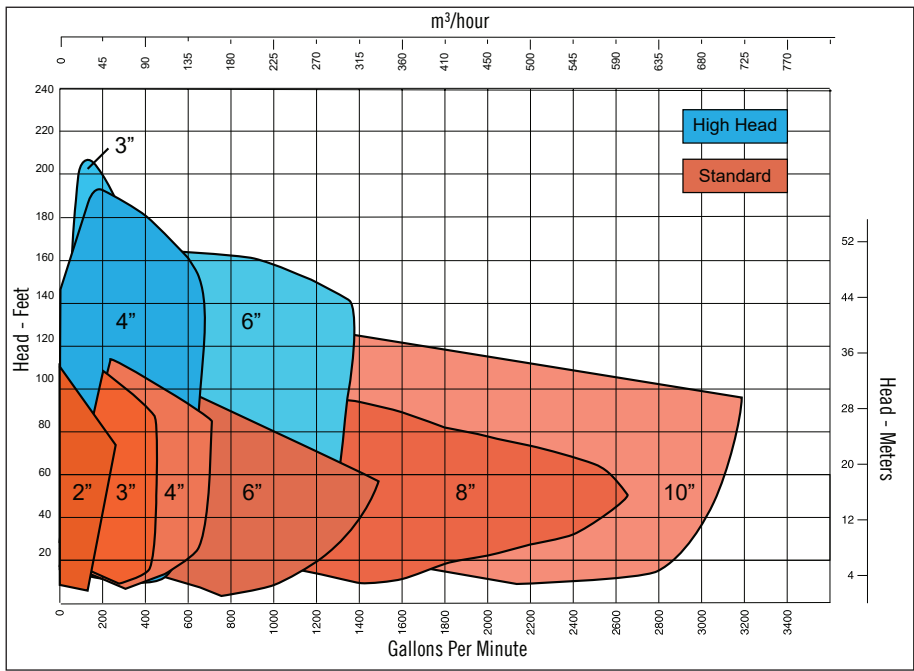


# WSP™ SELF-PRIMER PUMP

The WSP™ Self-Primer pump is a rugged and dependable self-priming, solids handling, trash pump. Distinguishable from our competitors, the WSP™ Self-Primer pump design allows for a shim-less, tool-less impeller adjustment and ease of suction flap valve replacement.

The Buzzsaw™ wear plate is a standard feature on WSP™ Self-Primer pumps. With an aggressive saw tooth shaped profile, its shearing of stringy materials as they pass through the pump prevents clogs before they can form. The Buzzsaw™ wear plate helps prevent the WSP™ Self-Primer pump from running in a state of partial clog and allows the pump to run at higher overall efficiencies while lowering maintenance costs, extending valuable runtime. The Buzzsawwear plate is not available in high- head models.

Equal in importance to maintenance is safety. The WSP™ Self-Primer pump is designed with the added benefit of the fill port cover and clamp bar assembly. The recessed bolt-locking construction and anti-rotation design of the clamp bar assembly prevents accidental breach of the fill port cover, protecting the operator from scalding burns.



APPLICATIONS	
Municipal and industrial waste water	Automotive
Metal machining	Beef, pork, poultry processing
Production, manufacturing	Pulp and paper
Dewatering	Tanker truck unloading
Mining and minerals	Drilling mud recovery
Winery	Food and beverage
STANDARD FEATURES	
17-4PH Stainless steel shaft	Carbon steel Impeller
Shim-less impeller adjustment	Ductile Iron casing
Solid silicon carbide seal faces	Tool-less impeller adjustment
Flanged suction and discharge	Advanced safety features
Two-piece bearing housing	Buzzsaw wear plate (not available in high-head models)

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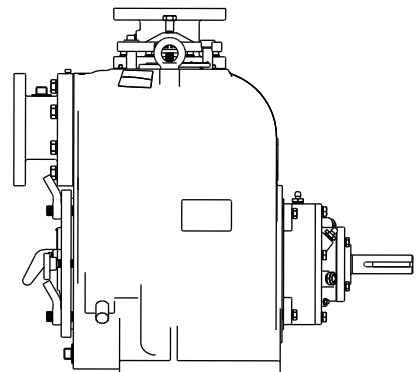
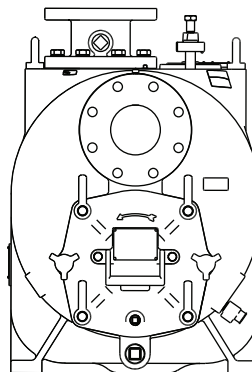
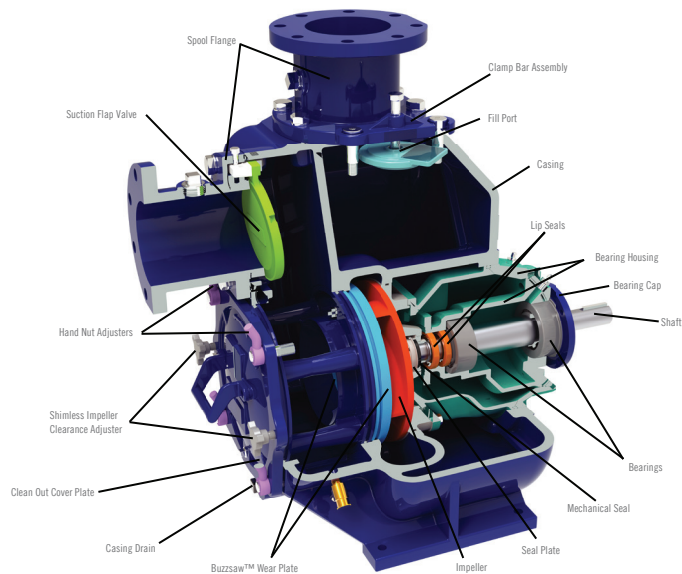


Size	Flow	Heads	Repriming Lift	Solids Size
2 inch (50 mm)	to 225 GPM (51 m³/hr)	to 103 ft (31 m)	up to 24 ft (7.3 m)	1.5 inch (38 mm)
3 inch (75 mm)	to 450 GPM (102 m³/hr)	to 112 ft (34 m)	up to 25 ft (7.6 m)	2.5 inch (63.5 mm)
4 inch (100 mm)	to 730 GPM (166 m³/hr)	to 119 ft (36 m)	up to 25 ft (7.6 m)	3 inch (75 mm)
6 inch (150 mm)	to 1,480 GPM (336 m³/hr)	to 111 ft (34 m)	up to 25 ft (7.6 m)	3 inch (75 mm)
8 inch (200 mm)	to 2,620 GPM (595 m³/hr)	to 109 ft (33 m)	up to 23 ft (7 m)	3 inch (75 mm)
10 inch (250 mm)	to 3,200 GPM (727 m³/hr)	to 133 ft (41 m)	up to 22 ft (6.7 m)	3 inch (75 mm)

## WSP™ HIGH HEAD SELF-PRIMER PUMP



Size	Flow	Heads	Repriming Lift	Solids Size
3 inch (75 mm)	to 370 GPM (84 m³/hr)	to 210 ft (64 m)	up to 23 ft (7 m)	0.81 inch (20 mm)
4 inch (100 mm)	to 650 GPM (148 m³/hr)	to 190 ft (58 m)	up to 17 ft (5.1 m)	1.12 inch (28 mm)
6 inch (150 mm)	to 1360 GPM (309 m³/hr)	to 175 ft (53 m)	up to 15 ft (4.5 m)	1.25 inch (32 mm)



## AVAILABLE UPGRADES

### Buzzsaw™ Wear Plate

- 316 Stainless steel
- Wear-resistant Alloy (400 BHN)

### Casing

- CD4MCu

### Impeller and Seal Plate

- High-chrome
- CD4MCu

### Mechanical Seal

- Tungsten carbide faces





## Trillium Pumps USA, Inc.

2495 S. Golden State Boulevard

Fresno, CA 93706 USA

T: +1 559 442 4000

F: +1 559 442 3098

[info@trilliumflow.com](mailto:info@trilliumflow.com)

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