



WEIR

Flow Control

Weir Specialty Pumps
WSP™ Self-Primer Pump

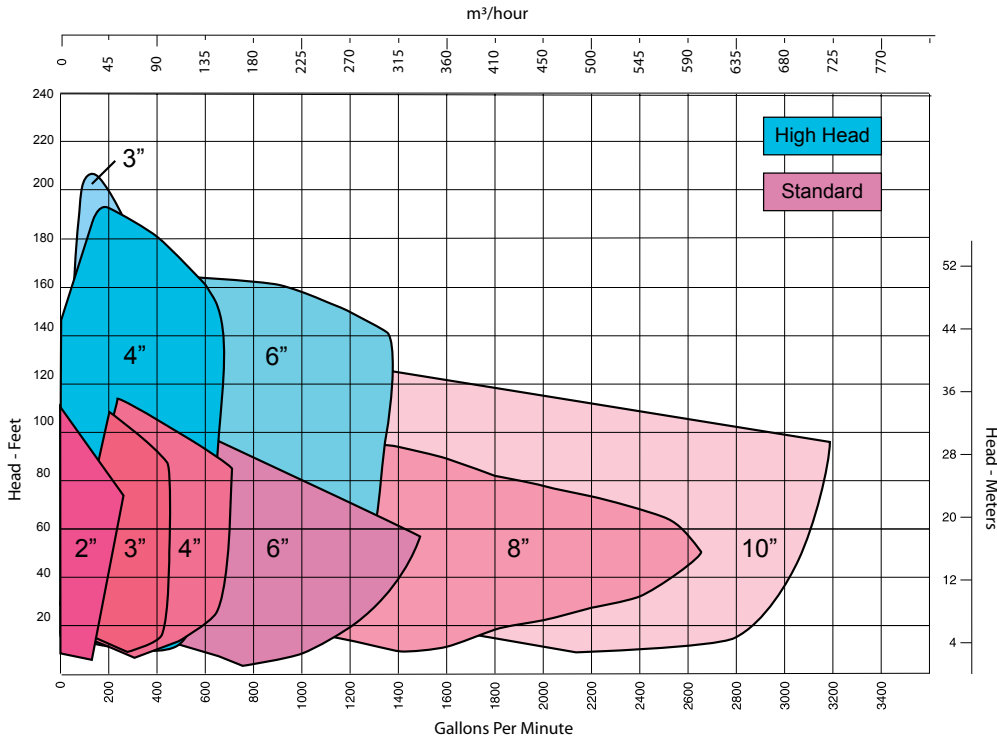
WSP™ Self-Primer Pump

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 the 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 Buzzsaw™ wear 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 & Industrial Waste Water Metal Machining Production/Manufacturing Dewatering Mining & Minerals Winery	Automotive Beef/Pork/Poultry Processing Pulp & Paper Tanker Truck Unloading Drilling Mud Recovery Food & Beverage
STANDARD FEATURES	
17-4PH* Stainless Steel Shaft Shim-less Impeller Adjustment Solid Silicon Carbide Seal Faces Flanged Suction & Discharge Two-piece Bearing Housing	Carbon Steel Impeller Ductile Iron Casing Tool-less Impeller Adjustment Advanced Safety Features Buzzsaw™ Wear Plate (Not available in High Head models)

WSP™ self-primer pump and parts are interchangeable with many GRESCO®, Pioneer® and Gorman-Rupp® pumps.

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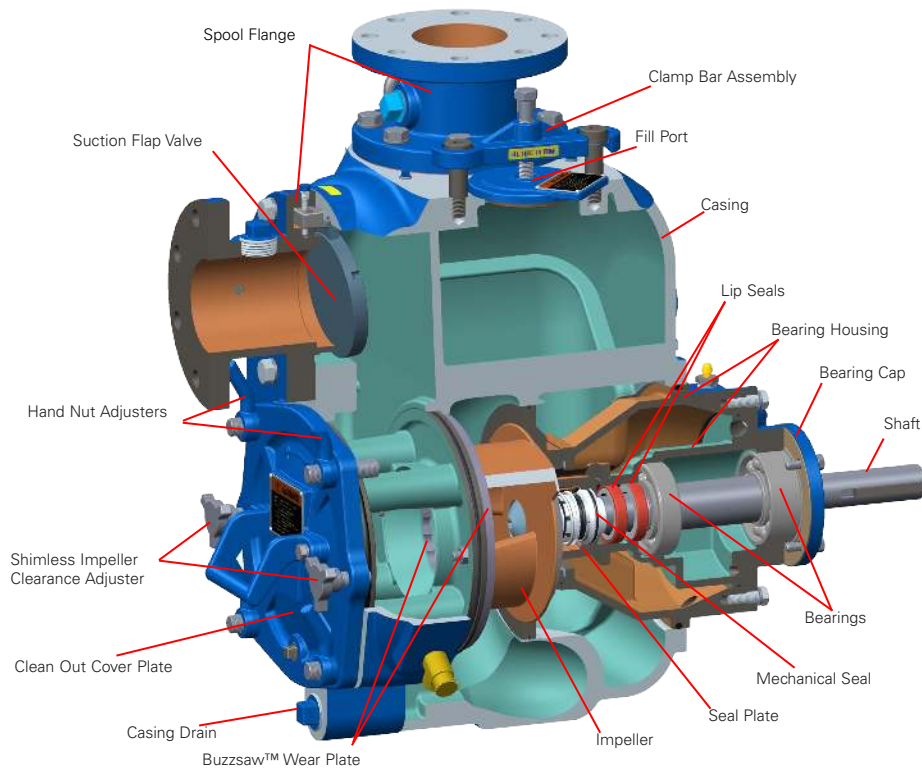


Size	Flow	Heads	Repriming Lift	Solids Size
2 in (50 mm)	to 225 GPM (51 m ³ /hr)	to 103 ft (31 m)	up to 24 ft (7.3 m)	1.5 in (38 mm)
3 in (75 mm)	to 450 GPM (102 m ³ /hr)	to 112 ft (34 m)	up to 25 ft (7.6 m)	2.5 in (63.5 mm)
4 in (100 mm)	to 730 GPM (166 m ³ /hr)	to 119 ft (36 m)	up to 25 ft (7.6 m)	3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

WSP™ High Head Self-Primer Pump



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



AVAILABLE UPGRADES

- Buzzsaw Wear Plate
- 316 Stainless Steel
- Wear-resistant Alloy (400 BHN)
- Casing
 - CD4MCu
- Impeller & Seal Plate
 - High Chrome
 - CD4MCu
- Mechanical Seal
 - Tungsten Carbide Faces



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