

WSP™ Self-Primer Pump

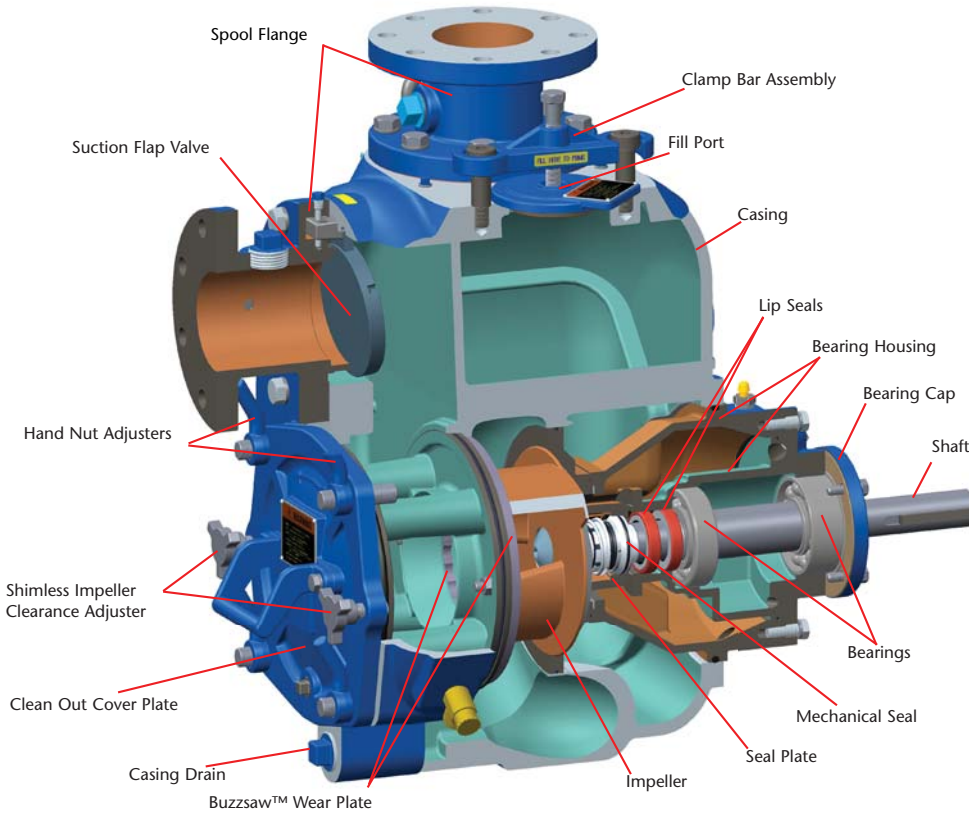
Solids Handling Self-Primer Pumps



Excellent Engineering Solutions



6-WSP • 6 inch (150 mm)
Head to 111 ft (34 m) & Flow to 1,480 GPM (336 m³/hr)



Optional Equipment and Materials

- Hi-Chrome, CD4MCu fitted
- Automatic air release valve
- 120V/240V casing heater
- High pump temperature shutdown kit
- Gauge kit
- NPT & DIN suction and discharge flanges
- Other elastomers available
- TC/TC seal faces

Seal Specifications

- Mechanical oil-lubricated
- Double floating
- Self-aligning
- Silicone carbide rotating and stationary faces
- Stainless steel metal components

Maximum temperature of liquid pumped
180°F/83°C.

Note: Consult factory for applications exceeding maximum pressure and/or temperature indicated.

Pump Size	6 x 6 in (150 x 150 mm) ANSI/DIN		
Pump Casing	Ductile iron <ul style="list-style-type: none"> • Twice as strong as CI • Higher bursting pressure than CI • Longer wear life than CI 	Impeller	Open type, two vane Material: cast steel Max Solids Sphere: 3 in (76.2 mm) <ul style="list-style-type: none"> • Less brittle than Ductile Iron
Operating Pressure	Maximum 120 psi (827 kPa)	Impeller Shaft	17-4PH* SST <ul style="list-style-type: none"> • High strength • Corrosion resistance
Thrust Bearing	Open double ball	Bearing/Seal Cavity Lubrication	SAE No. 30 oil
Flanges	125# Cast iron ANSI or DIN	Gaskets	Buna-N, compressed synthetic fibers, vegetable fiber, PTFE, cork, and rubber
Wear Plate	Replaceable Carbon steel	O-Rings	Buna-N
Cover Plate	Removable/adjustable Ductile iron	Hardware	Plated steel/ SST
Flap Valve	Neoprene with steel reinforcing ring	Pressure Release Valve	Brass
Bearing Housing	Ductile iron (wetted) Cast iron (inner)	Oil Level Sight Gauges	Bearing and seal cavity
Seal Plate	Cast iron	Net Weight	925 lbs (420 kg)
Shaft Sleeve	17-4PH* SST	Shipping Weight	950 lbs (430 kg)
Radial Bearing	Open single ball	Export Crate	32 ft ³ (0.9 m ³)

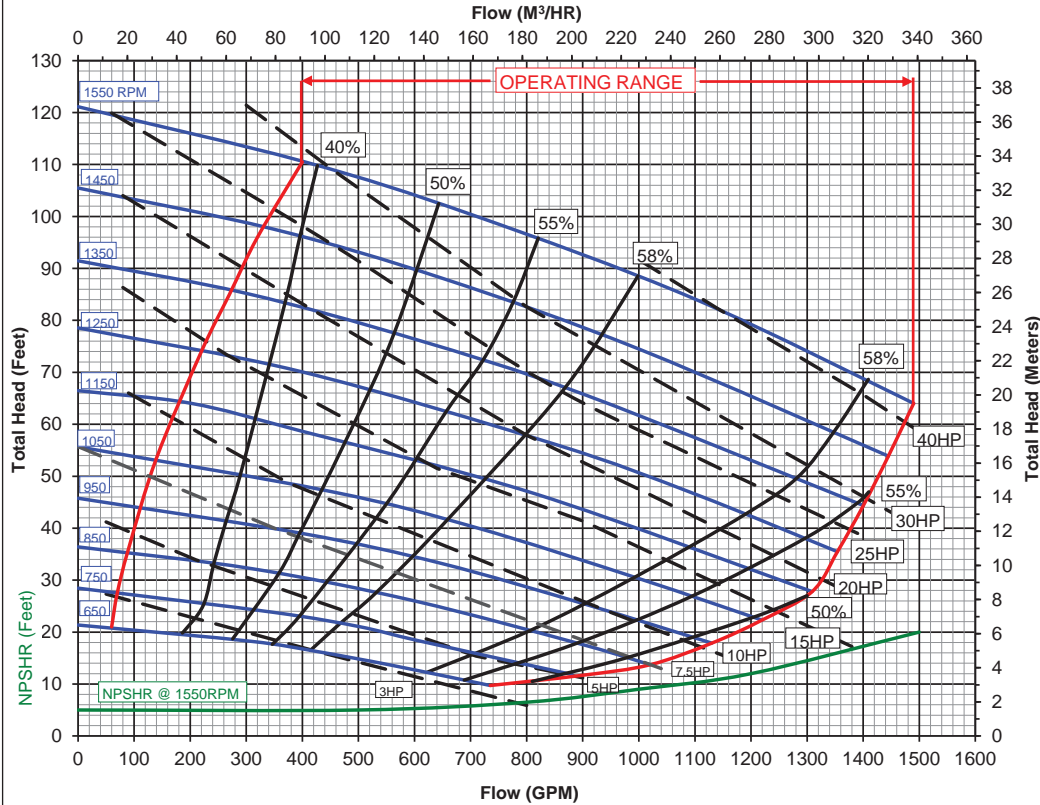
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6 x 6 in. (150 x 150 mm) curve



440 W. 800 S. Salt Lake City, Utah 84110
Phone: (801) 359-8731 Fax: (801) 355-9303



Suction: 6"
Discharge: 6"
Impeller Diameter: 12.38
Max. Solid Sphere: 3.00"

REPRIMING LIFTS	
RPM	FEET
650	8
750	9
850	12
950	14
1050	18
1150-1250	21
1350	22
1450	23
1550	25

Determine NPSHR prior to using repriming table. Do not use available suction lifts.

Clear Water Performance

$$BHP = \frac{GPM \times FT \times SG}{3960 \times Efficiency}$$

$$KW = \frac{M^3/HR \times M \times SG}{367 \times Efficiency}$$



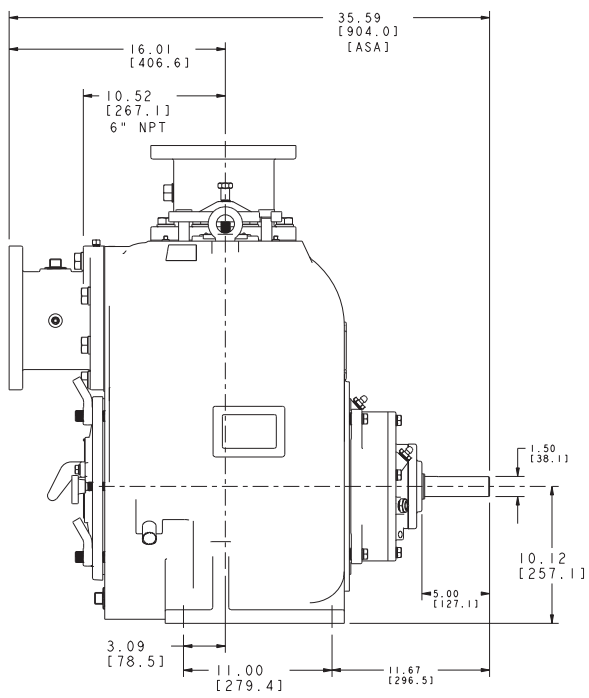
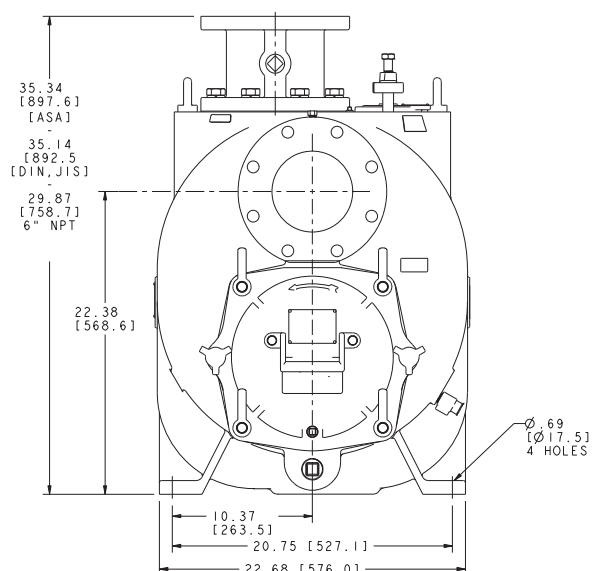
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Certified tests are performed using Hydraulic Institute acceptance level B.

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**RPM
VARIABLE**

6-WSP



Weir Specialty Pumps

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Bulletin: 6-WSP Spec Sheet

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