



WEMCO[®] Self-Primer[™]

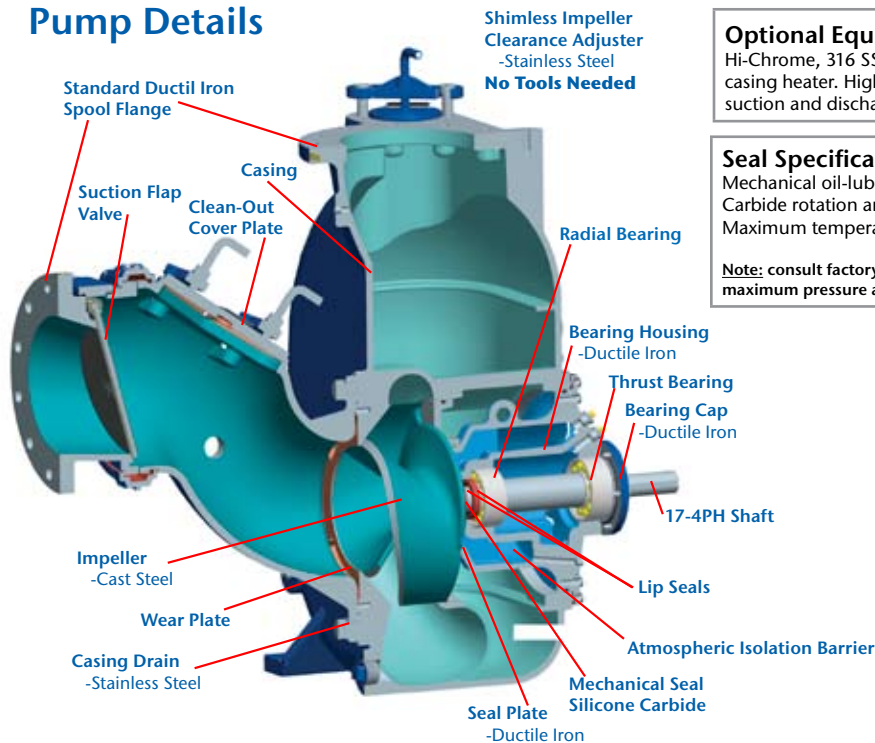


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Pump Size	10"x10" • 254 mm x254 mm ANSI/DIN
Pump Casing	Ductile Iron
Operating Pressure	Maximum 120 psi (797 kPa)
Impeller	Open type, two vane. Material - Ductile Iron Pumps 3" (76.2 mm) solids
Impeller Shaft	17-4PH SST
Wear Plate, Replaceable	Hardened steel
Cover Plate	Removable/Adjustable - Ductile Iron
Flap Valve	Neoprene with steel reinforcing ring
Bearing Housing	Ductile Iron
Seal Plate	Ductile Iron
Shaft Sleeve	SST 316
Radial Bearing	Open single ball
Thrust Bearing	Open double ball
Bearing/Seal Cavity Lubrication	SAE No. 30 oil
Flanges	125# Ductile iron ANSI or DIN
Gaskets	Buna-N, compressed synthetic fibers, vegetable fiber, PTFE, cork, and rubber
O-Rings	Buna-N - Teflon coated
Hardware	Plated steel
Pressure Release Valve	Brass
Oil Level Sight Guages	Bearing and Seal Cavity

Weir Self-Primer Pump Details



Optional Equipment and Materials

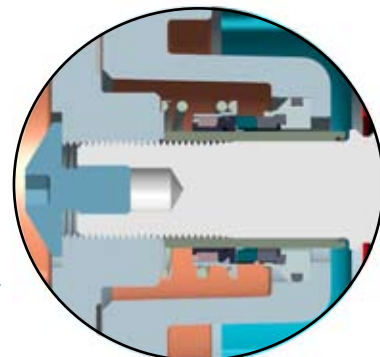
Hi-Chrome, 316 SST, CD4MCU. Automatic air release valve, 120V/240V casing heater. High pump temperature shutdown kit, NPT & DIN standard suction and discharge flanges.

Seal Specifications

Mechanical oil-lubricated, double floating, self-aligning seal. Silicon Carbide rotation 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.

Seal Detail View



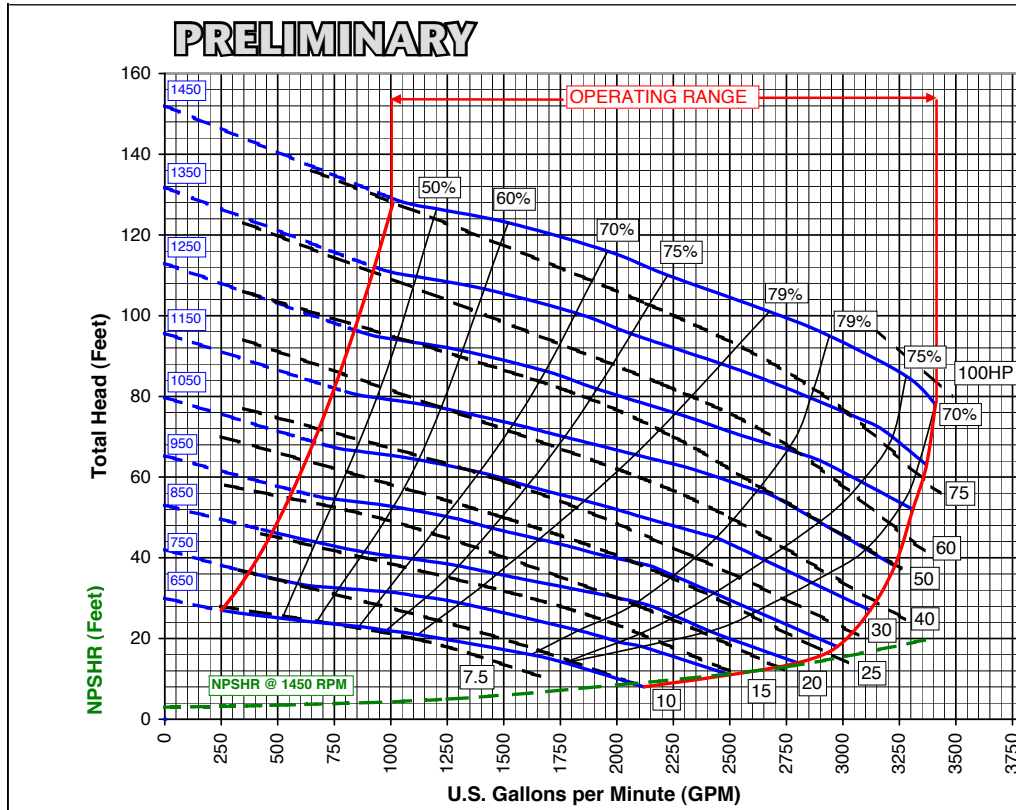
EXCELLENT
ENGINEERING
SOLUTIONS
WEHR
CLEAR LIQUID

Pump Specification: WSP10A



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Pump Size	10"x10"/254 mm x 254 mm
Net Weight	1400 lbs./634 KG.
Shipping Weight	1460 lbs./632 KG
Export Crate	53 Cu. Ft./1.5 CU. M
Spool Flange	Add 70 lbs/32 KG. each



Suction: 10"
Discharge: 10"
Impeller Diameter: 14.75"
Max. Solid Sphere: 3.00"

REPRIMING LIFTS	FEET
RPM	
650	7
750	11
850	14
950	17
1050-1150	18
1250	19
1350-1450	22

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

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

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



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Certified tests are performed using Hydraulic Institute acceptance level A.

AUG. 2005

**RPM
VARIABLE**

WSP10A

