

# WSP™ Self-Primer Pump

Solids Handling Self-Primer Pumps

Excellent  
Engineering  
Solutions



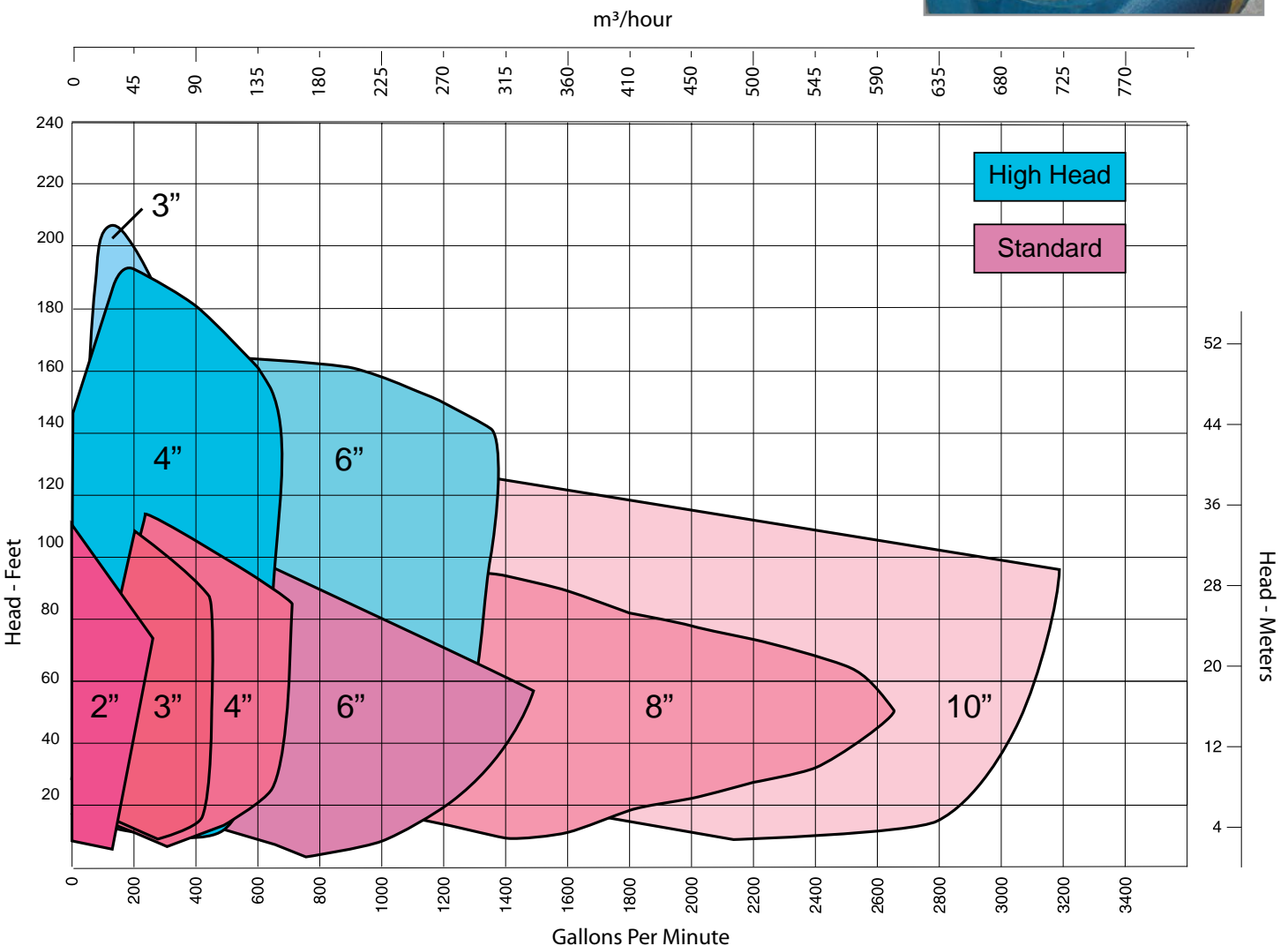
# WSP™ Self-Primer Pump

## Solids Handling Self-Primer Pumps

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 inner saw blade, its cutting and shearing of stringy materials as they pass through the pump prevent 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.



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 <sup>3</sup> /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 <sup>3</sup> /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 <sup>3</sup> /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 <sup>3</sup> /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 <sup>3</sup> /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 <sup>3</sup> /hr) | to 133 ft (41 m) | up to 22 ft (6.7 m) | 3 in (75 mm)     |

## High Head Self-Primer Pumps



| Size          | Flow                                 | Heads            | Repriming Lift      | Solids Size     |
|---------------|--------------------------------------|------------------|---------------------|-----------------|
| 3 in (75 mm)  | to 370 GPM (84 m <sup>3</sup> /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 <sup>3</sup> /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 <sup>3</sup> /hr) | to 175 ft (53 m) | up to 15 ft (4.5 m) | 1.25 in (32 mm) |

### APPLICATIONS

|  |  |
|--|--|
| Municipal & Industrial Waste Water<br>Metal Machining<br>Production/Manufacturing<br>Dewatering<br>Mining & Minerals<br>Winery | Automotive<br>Beef/Pork/Poultry Processing<br>Pulp & Paper<br>Tanker Truck Unloading<br>Drilling Mud Recovery<br>Food & Beverage |
|--|--|

### STANDARD FEATURES

|  |  |
|--|--|
| 17-4PH* Stainless Steel Shaft<br>Shim-less Impeller Adjustment<br>Solid Silicon Carbide Seal Faces<br>Flanged Suction & Discharge<br>Two-piece Bearing Housing | Carbon Steel Impeller<br>Ductile Iron Casing<br>Tool-less Impeller Adjustment<br>Advanced Safety Features<br>Buzzsaw™ Wear Plate (Not available in High Head models) |
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### AVAILABLE UPGRADES

Buzzsaw Wear Plate  
 316 Stainless Steel  
 Wear-resistant Alloy (400 BHN)

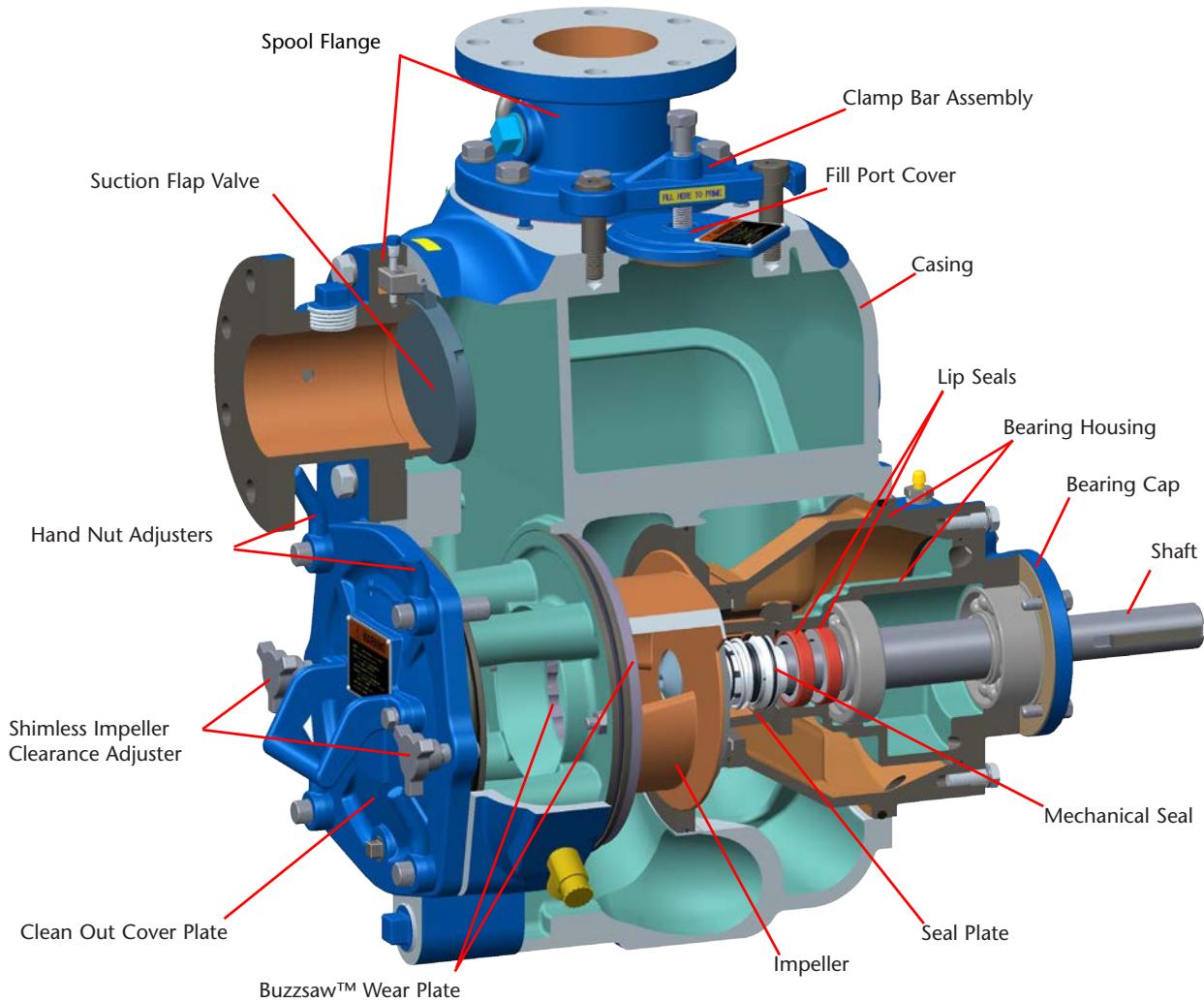
Casing  
 CD4MCu

Impeller & Seal Plate  
 High Chrome  
 CD4MCu



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Bulletin: WSP Self Primer 4 page

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