



# AQUARIUS PUMP COMPANY

## 6SP

### AVAILABLE MOUNTING CONFIGURATIONS

6SPM FRAME MOUNT WITH CHROME IRON LINER  
 6SPR FRAME MOUNT WITH RUBBER LINER



A typical picture of the pump is shown. Please contact Aquarius Pump Company for further details. All information is approximate and for general guidance only.

| OPERATING LEVELS | CHROME IRON |                        | RUBBER   |                        |
|------------------|-------------|------------------------|----------|------------------------|
| MIN FLOW         | 400 GPM     | 91 m <sup>3</sup> /h   | 400 GPM  | 91 m <sup>3</sup> /h   |
| MAX FLOW         | 4500 GPM    | 1022 m <sup>3</sup> /h | 4500 GPM | 1022 m <sup>3</sup> /h |
| DISCHARGE SIZE   | 6"          | 150 mm                 | 6"       | 150 mm                 |
| SUCTION SIZE     | 8"          | 200 mm                 | 8"       | 200 mm                 |
| SOLIDS HANDLING  | 2.5"        | 63.5 mm                | 2.5"     | 63.4 mm                |
| MAX SPEED        | 1300 RPM    | 1300 RPM               | 1165 RPM | 1165 RPM               |
| SHUT-OFF HEAD    | 280'        | 85 m                   | 230'     | 70 m                   |
| BEP HEAD         | 235'        | 72 m                   | 195'     | 59 m                   |
| BEP FLOW         | 3500 GPM    | 795 m <sup>3</sup> /h  | 3200 GPM | 727 m <sup>3</sup> /h  |
| BEP              | 72%         | 72%                    | 71%      | 71%                    |

| PARTS           | STANDARD MATERIAL (CHROME IRON)               | RUBBER LINED                                  |
|-----------------|---|---|
| IMPELLER        | Chrome Iron                                   | Natural Rubber                                |
| VOLUTE LINERS   | Chrome Iron                                   | Natural Rubber                                |
| VOLUTE CASING   | Ductile Iron                                  | Ductile Iron                                  |
| SHAFT           | 4140 Steel                                    | 4140 Steel                                    |
| SHAFT SLEEVE    | 420 Stainless Steel                           | 420 Stainless Steel                           |
| MECHANICAL SEAL | Tungsten Carbide/Silicon Carbide (stationary) | Tungsten Carbide/Silicon Carbide (stationary) |
| BEARING HOUSING | Ductile Iron                                  | Ductile Iron                                  |
| BEARING FRAME   | Cast Iron                                     | Cast Iron                                     |
| O-RINGS         | Nitrile                                       | Nitrile                                       |
| FLANGE GASKETS  | Natural Rubber                                | Natural Rubber                                |
| EXPELLER        | Chrome Iron                                   | Chrome Iron                                   |
| BACKPLATE       | Chrome Iron                                   | Chrome Iron                                   |

The 6SP Slurry Pump is designed with Aquarius's renowned quality and durability. It features a 6" discharge and a 8" suction. Available in chrome iron and rubber-lined models. Aquarius's patented Cycloseal® design is standard and includes a Type 2 single mechanical seal with elastomer bellows, stainless steel hardware, tungsten carbide rotating and silicon carbide stationary seal faces for abrasion resistance. Chrome Iron or Rubber Lining options are available to optimize wear life for various material characteristics.

- Enclosed impeller for higher efficiency
- Large solids handling capability
- Robust design allows it to be applied in difficult operating environments
- Industry leading two year warranty
- Superior abrasive and corrosive wear life
- Handles pH levels of 1 to 13 (rubber lining); 3 to 14 (metal)



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