



AQUARIUS PUMP COMPANY

12SP

AVAILABLE MOUNTING CONFIGURATIONS

12SPM FRAME MOUNT WITH CHROME IRON LINER
 12SPR FRAME MOUNT WITH RUBBER LINER

| OPERATING LEVELS | CHROME IRON | | RUBBER | |
|------------------|-------------|------------------------|-----------|------------------------|
| MIN FLOW | 1300 GPM | 295 m ³ /h | 1800 GPM | 409 m ³ /h |
| MAX FLOW | 18000 GPM | 4088 m ³ /h | 14400 GPM | 3270 m ³ /h |
| DISCHARGE SIZE | 12" | 300 mm | 12" | 300 mm |
| SUCTION SIZE | 14" | 350 mm | 14" | 350 mm |
| SOLIDS HANDLING | 3.5" | 89 mm | 4.1" | 104 mm |
| MAX SPEED | 700 RPM | 700 RPM | 500 RPM | 500 RPM |
| SHUT-OFF HEAD | 290' | 88 m | 152' | 46 m |
| BEP HEAD | 240' | 73 m | 127' | 39 m |
| BEP FLOW | 12900 GPM | 2930 m ³ /h | 10400 GPM | 2362 m ³ /h |
| BEP | 77% | 77% | 79% | 79% |



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.

| 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 12SP Slurry Pump is designed with Aquarius's renowned quality and durability. It features a 12" discharge and a 14" 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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