

**AVAILABLE MOUNTING CONFIGURATIONS**

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

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%



A typical picture of the pump is shown. Please contact Gemstone 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 6SP Slurry Pump is designed with Gemstone's renowned quality and durability. It features a 6" discharge and a 8" suction. Available in chrome iron and rubber-lined models. Gemstone'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)





# DATA SHEET

# 6SP

