

**AVAILABLE MOUNTING CONFIGURATIONS**

10SPM-ST FRAME MOUNT WITH CHROME IRON LINER  
10SPR-ST FRAME MOUNT WITH RUBBER LINER

OPERATING LEVELS	CHROME IRON		RUBBER	
MIN FLOW	500 GPM	115 m <sup>3</sup> /h	1000 GPM	230 m <sup>3</sup> /h
MAX FLOW	9600 GPM	2180 m <sup>3</sup> /h	7800 GPM	1770 m <sup>3</sup> /h
DISCHARGE SIZE	10"	250 mm	10"	250 mm
SUCTION SIZE	12"	300 mm	12"	300 mm
SOLIDS HANDLING	3.4"	85 mm	3.4"	85 mm
MAX SPEED	900 RPM	900 RPM	650 RPM	650 RPM
SHUT-OFF HEAD	275'	85 m	145'	45 m
BEP HEAD	220'	67 m	120'	37 m
BEP FLOW	8800 GPM	2000 m <sup>3</sup> /h	6800 GPM	1550 m <sup>3</sup> /h
BEP PERCENT	80%	80%	81%	81%



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 10SP Slurry Pump is designed with Gemstone's renowned quality and durability. It features a 10" discharge and a 12" 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 10SP

