



STARTECH PUMPS COMPANY

Model 3SP®

AVAILABLE MOUNTING CONFIGURATIONS

3SPM FRAME MOUNT WITH CHROME IRON LINER
3SPR FRAME MOUNT WITH RUBBER LINER

OPERATING LEVELS	CHROME IRON		RUBBER	
MIN FLOW	100 GPM	23 m³/h	120 GPM	27 m³/h
MAX FLOW	1100 GPM	250 m³/h	960 GPM	218 m³/h
DISCHARGE SIZE	3"	75 mm	3"	75 mm
SUCTION SIZE	4"	100 mm	4"	100 mm
SOLIDS HANDLING	1.1"	28 mm	1.1"	28 mm
MAX SPEED	2750 RPM	2750 RPM	1950 RPM	1950 RPM
SHUT-OFF HEAD	275'	84 m	137'	42 m
BEP HEAD	230'	70 m	110'	33 m
BEP FLOW	980 GPM	222 m³/h	770 GPM	175 m³/h
BEP	71%	71%	59%	59%



A typical picture of the pump is shown. Please contact StarTech 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 3SP Slurry Pump is designed with StarTech's renowned quality and durability. It features a 3" discharge and a 4" suction. Available in chrome iron and rubber-lined models. StarTech'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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