



# STARTECH PUMPS COMPANY

## Model 4SP®

### AVAILABLE MOUNTING CONFIGURATIONS

4SPM FRAME MOUNT WITH CHROME IRON LINER  
 4SPR FRAME MOUNT WITH RUBBER LINER



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.

OPERATING LEVELS	CHROME IRON		RUBBER	
MIN FLOW	280 GPM	64 m <sup>3</sup> /h	280 GPM	64 m <sup>3</sup> /h
MAX FLOW	2250 GPM	511 m <sup>3</sup> /h	1850 GPM	420 m <sup>3</sup> /h
DISCHARGE SIZE	4"	100 mm	4"	100 mm
SUCTION SIZE	6"	150 mm	6"	150 mm
SOLIDS HANDLING	1.7"	43 mm	1.3"	33 mm
MAX SPEED	1800 RPM	1800 RPM	1400 RPM	1400 RPM
SHUT-OFF HEAD	285'	87 m	152'	46 m
BEP HEAD	225'	69 m	126'	38 m
BEP FLOW	1775 GPM	403 m <sup>3</sup> /h	1370 GPM	311 m <sup>3</sup> /h
BEP	68%	68%	65%	65%

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 4SP Slurry Pump is designed with StarTech's renowned quality and durability. It features a 4" discharge and a 6" 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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