

# DEWATERING

## HYDRAFLOW DATA SHEET

### S10T 250mm Hydraulic Submersible Pump

The SPP HYDRAFLOW S10T Hydraulic Drive Submersible Pump has an unchokeable, recessed vortex impeller will pass 200mm solids raw sewage, stringy materials, slurries and entrained gases and is capable of handling fragile materials. Applications include industrial water and wastes, construction, municipal wastes, sewage by-pass and agriculture.

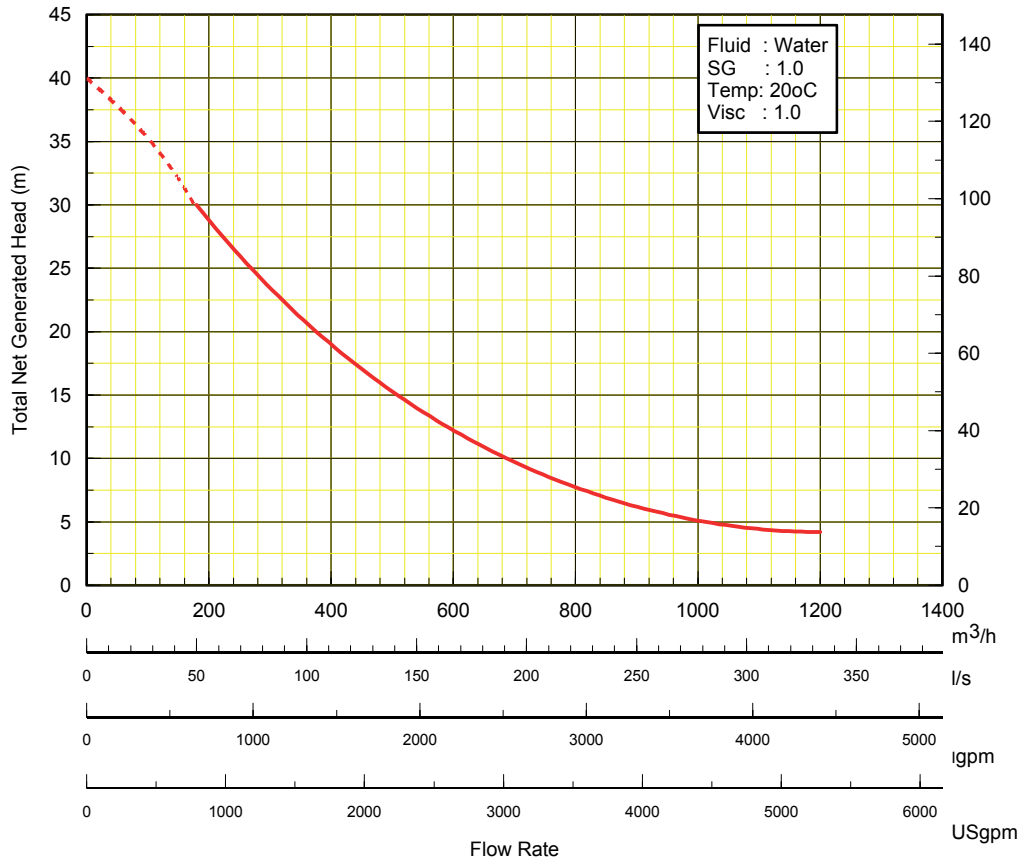


### DESIGN FEATURES

- Safe for use in virtually any environment.
- Oil lubricated heavy duty balanced seal will run dry.
- Versatile and capable of a variety of duties.
- Variable speed with balanced vane type hydraulic motor drive.
- Available in 316 SS and NI-Resist.
- Can be bolted directed into a pipeline.
- Safe hydraulic drive can be used where electric power or hazardous or impractical.
- Operates with our HT150D Hydraulic Power Unit or any open centre power source with output flows to 265 l/m.

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Hydraulic Input: 265 l/m @ 172 bar  
\* Typical performance with HT150D

### HYDRAULIC SUBMERSIBLE PUMP

<b>PUMP TYPE</b>	S10T
<b>BRANCH SIZES</b>	Suction: 250mm x Disch: 250mm
<b>IMPELLER</b>	Recessed Votex
<b>SOLIDS HANDLING</b>	200 mm diameter
<b>HYDRAULIC MOTOR</b>	Gear
<b>INPUT - HYDRAULIC FLOW</b>	265 l/m
<b>INPUT - HYDRAULIC PRESSURE</b>	172 bar
<b>HYDRAULIC OIL</b>	ISO 46
<b>HYDRAULIC OIL TEMPERATURE</b>	Max 140°F

### PUMP SPECIFICATIONS

<b>FLOW RATE</b>	1200 m³/h Maximum
<b>DISCHARGE HEAD</b>	40 m Maximum
<b>WEIGHT</b>	378 kg
<b>HEIGHT</b>	1220 mm
<b>MAX DIAMETER</b>	860 mm
<b>MAX SOLIDS SIZE</b>	1080 mm
<b>HOSE PORT</b>	1 1/4 or 1 1/2" NPT
<b>SUCTION FLANGE</b>	10" 150# Flange
<b>DISCHARGE PORT</b>	10" 150# Flange
<b>POWER SOURCE</b>	HT150D
<b>PUMP CASING</b>	Ductile Iron
<b>IMPELLER</b>	Ductile Iron
<b>WEAR RING &amp;/OR PLATE</b>	ASTM 36 Steel
<b>SHAFT</b>	17-4 PH Stainless Steel
<b>SHAFT SEAL - STANDARD</b>	Carbon Ceramic
<b>ALTERNATIVE SEAL</b>	Silicon Carbide
<b>ELASTOMERS - STANDARD</b>	Buna (N)
<b>HYDRAULIC OIL</b>	214-320 s.s.u. @ 64 Deg. C
<b>INPUT FLOW</b>	265 l/m Maximum
<b>OPERATING PRESSURE</b>	172 bar Maximum