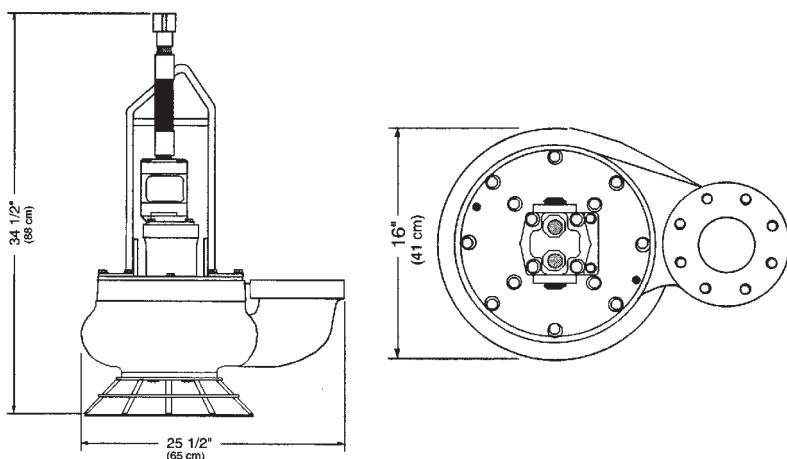


# DEWATERING HYDRAFLOW DATA SHEET

## S4THL 100MM HYDRAULIC SUBMERSIBLE WASTEWATER PUMP

The SPP HYDRAFLOW S4THL Hydraulic Drive Submersible Pump has proven to be an excellent sludge pump. Primary used for this pump are: oil refinery wastes, sewage digester cleanout, water waste sludges and desilting applications using diverts. This versatile pump offers solids handling and high head capabilities.

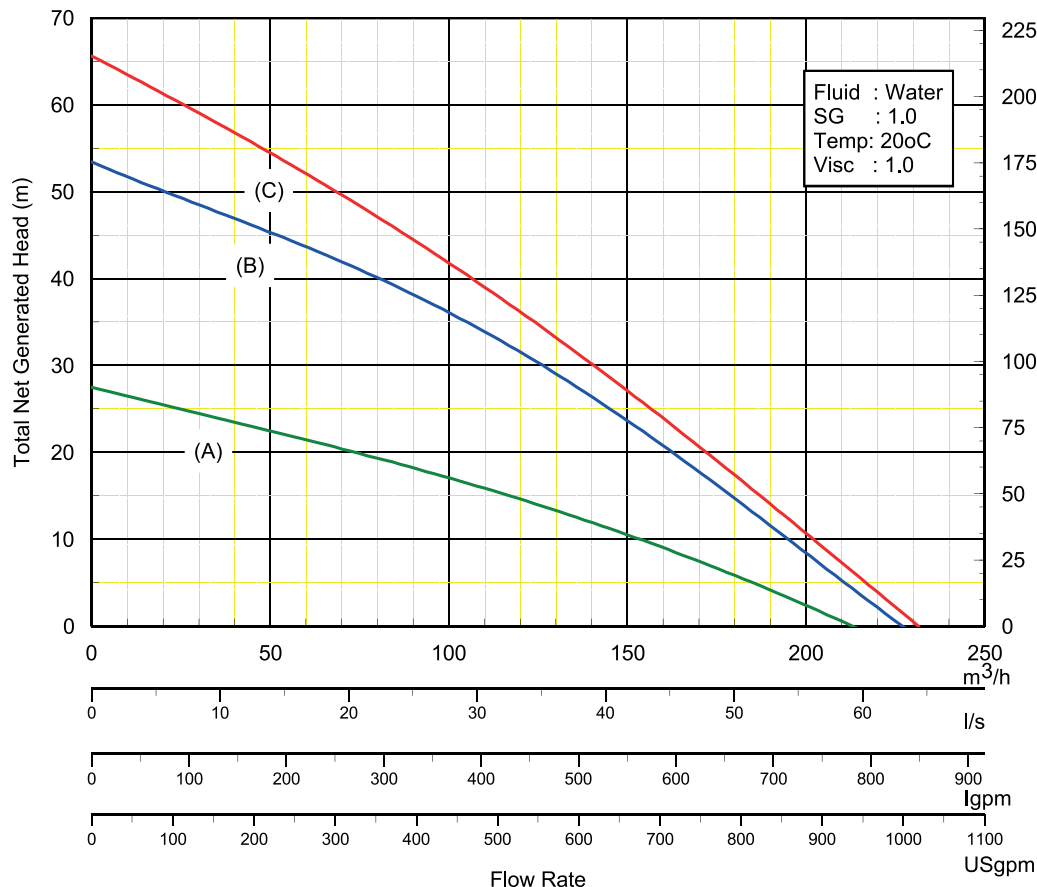


### DESIGN FEATURES

- Full recessed vortex impeller will pass 90mm semi-solids.
- Lightweight Aluminium or durable Ductile Iron models are standard optional Stainless Steel version available.
- Variable Speed Hydraulic Drive.
- Wide range of performance.
- Oil lubricated seals - pump can run dry.
- Can be bolted directly into a Pipeline or fitted with a suction house for vacuuming underwater.
- Safe Hydraulic Drive can be used where electric power is hazardous or impractical.
- Operates with our HT50D, HT60D or HT75D Hydraulic Power Units or any open centre power source with output flows to 114 l/m.

# DEWATERING

## HYDRAFLOW DATA SHEET



Hydraulic Input: (A) 68 l/m @ 193 bar (B) \* 98 l/m @ 196 bar  
(C) 114 l/m @ 207 bar  
\* Typical performance with HT60D

### HYDRAULIC SUBMERSIBLE PUMP

<b>PUMP TYPE</b>	S4THL
<b>BRANCH SIZES</b>	Suction: 100mm x Disch: 100mm
<b>IMPELLER</b>	Vortex
<b>SOLIDS HANDLING</b>	90mm diameter
<b>HYDRAULIC MOTOR</b>	Vortex
<b>INPUT - HYDRAULIC FLOW</b>	114 l/m
<b>INPUT - HYDRAULIC PRESSURE</b>	207 bar
<b>HYDRAULIC OIL</b>	ISO 46
<b>HYDRAULIC OIL TEMPERATURE</b>	Max 140°F

### PUMP SPECIFICATIONS

<b>FLOW RATE</b>	230 m³/h Maximum
<b>DISCHARGE HEAD</b>	65 m Maximum
<b>WEIGHT</b>	DI - 147kg or AL - 75 kg
<b>HEIGHT</b>	880 mm
<b>MAX DIAMETER</b>	650 mm
<b>MAX SOLIDS SIZE</b>	90 mm Diameter
<b>HOSE PORT</b>	1" SAE
<b>SUCTION FLANGE</b>	4" 125# ASA
<b>DISCHARGE PORT</b>	4" 125# ASA Flange
<b>POWER SOURCE</b>	HT50D, HT60D or HT75D
<b>PUMP CASING</b>	Ductile Iron or HT Aluminium
<b>IMPELLER</b>	Ductile Iron
<b>WEAR RING &amp;/OR PLATE</b>	Stainless Steel
<b>SHAFT</b>	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>	114l/m Maximum
<b>OPERATING PRESSURE</b>	207 bar Maximum