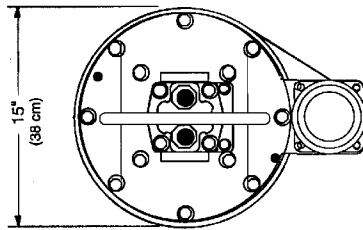
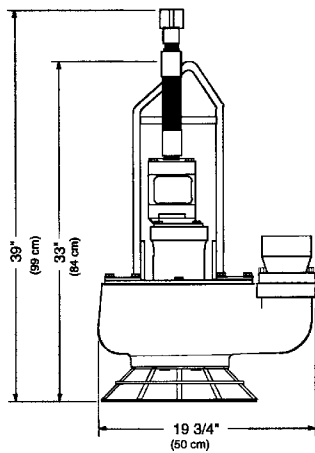


# DEWATERING HYDRAFLOW DATA SHEET

## S4VHL 100MM HYDRAULIC SUBMERSIBLE WASTEWATER PUMP

The SPP HYDRAFLOW S4VHL Hydraulic Drive Submersible Pump is designed to handle wastewater and sewerage and will pass through a 50cm dia manhole. Primary uses for this pump are sewer by-pass into force mains and general transfer of solids laden fluids. This versatile pump is offered in aluminium or ductile iron construction.

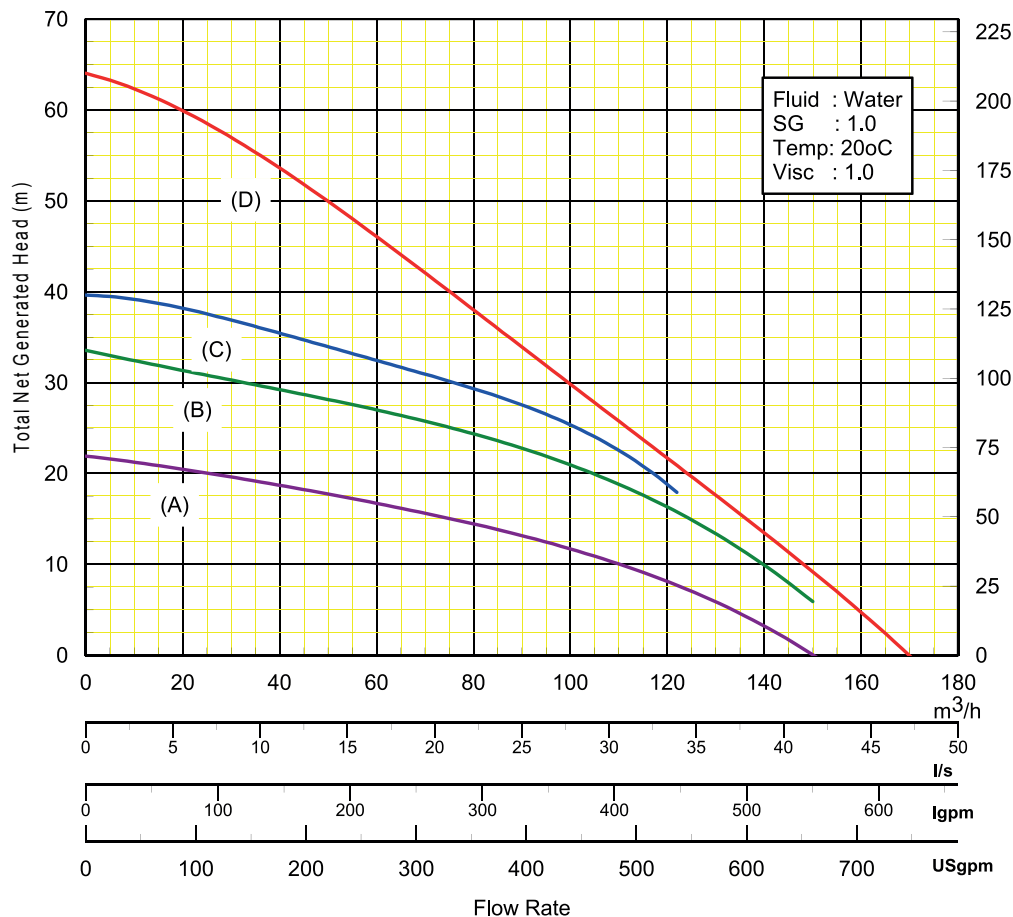


### DESIGN FEATURES

- Small overall size allows pump to fit through a 500mm opening.
- Fully Recessed Vortex Impeller will pass 75mm semi-solids.
- Lightweight Aluminium or Ductile Iron Construction.
- Variable Speed Hydraulic Drive with a wide Range of Performance.
- 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 HT35D, HSQ35D, HT50D or HT60D Hydraulic Power Units or any open centre power source with output flows to 95 l/m.

# DEWATERING

## HYDRAFLOW DATA SHEET



Hydraulic Input: (A) 53 l/m @ 179 bar (B) 68 l/m @ 200 bar  
(C) 76 l/m @ 200 bar (D) \*\* 95 l/m @ 200 bar  
\*\* Typical Performance with HT60D

### HYDRAULIC SUBMERSIBLE PUMP

<b>PUMP TYPE</b>	S4VHL
<b>BRANCH SIZES</b>	Suction: 100mm x Disch: 100mm
<b>IMPELLER</b>	Vortex
<b>SOLIDS HANDLING</b>	80mm diameter
<b>HYDRAULIC MOTOR</b>	Gear
<b>INPUT - HYDRAULIC FLOW</b>	95 l/m
<b>INPUT - HYDRAULIC PRESSURE</b>	200 bar
<b>HYDRAULIC OIL</b>	ISO 46
<b>HYDRAULIC OIL TEMPERATURE</b>	Max 140°F

### PUMP SPECIFICATIONS

<b>FLOW RATE</b>	170 m <sup>3</sup> /h Maximum
<b>DISCHARGE HEAD</b>	63 m Maximum
<b>WEIGHT</b>	DI - 134kg or AL - 72 kg
<b>HEIGHT</b>	840 mm
<b>MAX DIAMETER</b>	500 mm
<b>MAX SOLIDS SIZE</b>	75 mm Diameter
<b>HOSE PORT</b>	1" SAE
<b>SUCTION FLANGE</b>	4" 125# ASA
<b>DISCHARGE PORT</b>	4" NPT F
<b>POWER SOURCE</b>	HT35D, HSQ35D, HT50D or HT60D
<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>	95l/m Maximum
<b>OPERATING PRESSURE</b>	200 bar Maximum