S4VHL
100mm Hydraulic Submersible Wastewater Pump

The Sterling 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:

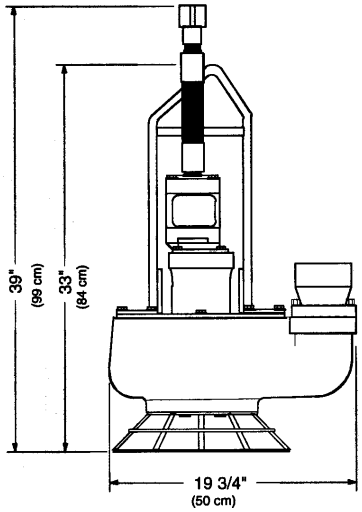
- Small overall size allows pump to fit through a 500mm opening
- Fully Recessed Vortex Impeller will pass 75mm semi-solids
- Lightweight Aluminium or Ductile Iron Construction
- Oil lubricated seals, pump can run dry
- Variable Speed Hydraulic Drive with a wide Range of Performance
- Can be bolted directly 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

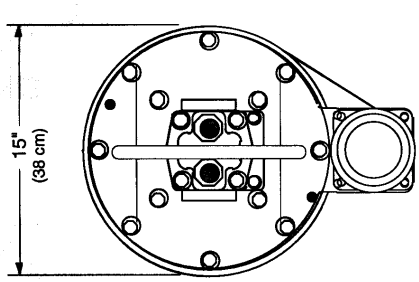
PUMP SPECIFICATIONS

Flow Rate	170 m^3/h Maximum
Discharge Head	63 m Maximum
Weight	DI - 134kg or AL - 72 kg
Height	840 mm
Max. Diameter	500 mm
Max Solids Size	75 mm Diameter
Hose Port	1in SAE
Suction Flange	4in 125# ASA
Discharge Port	4in NPT F
Power Source	HT35D, HSQ35D, HT50D or HT60D

Pump Casing	Ductile Iron or HT Aluminium
Impeller	Ductile Iron
Wear Ring &/or Plate	Stainless Steel
Shaft	Stainless Steel
Shaft Seal - Standard	Carbon Ceramic
Alternative Seal	Silicon Carbide
Elastomers - Standard	Buna (N)
Hydraulic Oil	214-320 s.s.u. @ 64 Deg. C
Input Flow	95 l/m Maximum
Operating Pressure	200 bar Maximum

Specifications may be subject to change without notice.





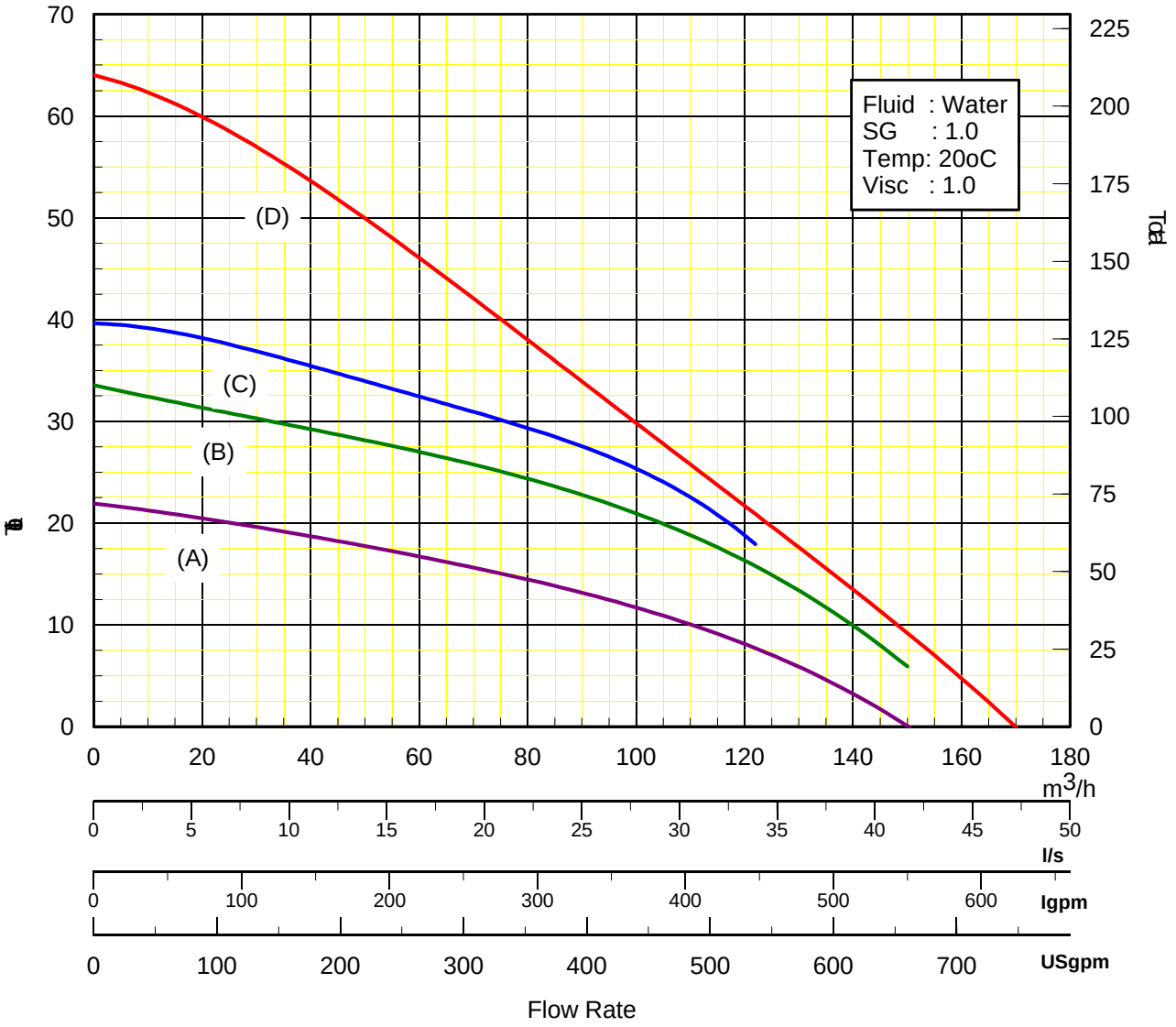
STERLING SPP HYDRAFLOW

Curve: S4VHL-v3

S4VHL-IS35

Hydraulic Submersible Pump

Pump Type		S4VHL
Branch Sizes		Suction: 100mm x Disch: 100mm
Impeller	Vortex	
Solids Handling		80 mm diameter
Hydraulic Motor		Gear
Input - Hydraulic Flow		95 l/m
Input - Hydraulic Pressure		200 bar
Hydraulic Oil		ISO 46
Hydraulic Oil Temperature		Max 140^{O}F



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

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