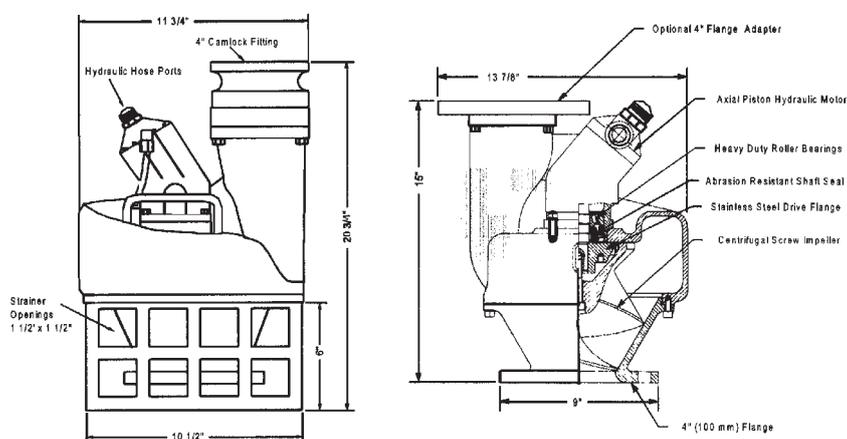


DEWATERING HYDRAFLOW DATA SHEET

S46CR 100MM HYDRAULIC SUBMERSIBLE SCREW PUMP

The SPP HYDRAFLOW S45CR Hydraulic Drive Submersible Screw Pump is ideal for pumping high viscosity liquids such as crude oils, latex, molasses and refinery wastes using a positive displacement screw. When pumping lighter materials, the impeller acts as a centrifugal type providing high capacity.

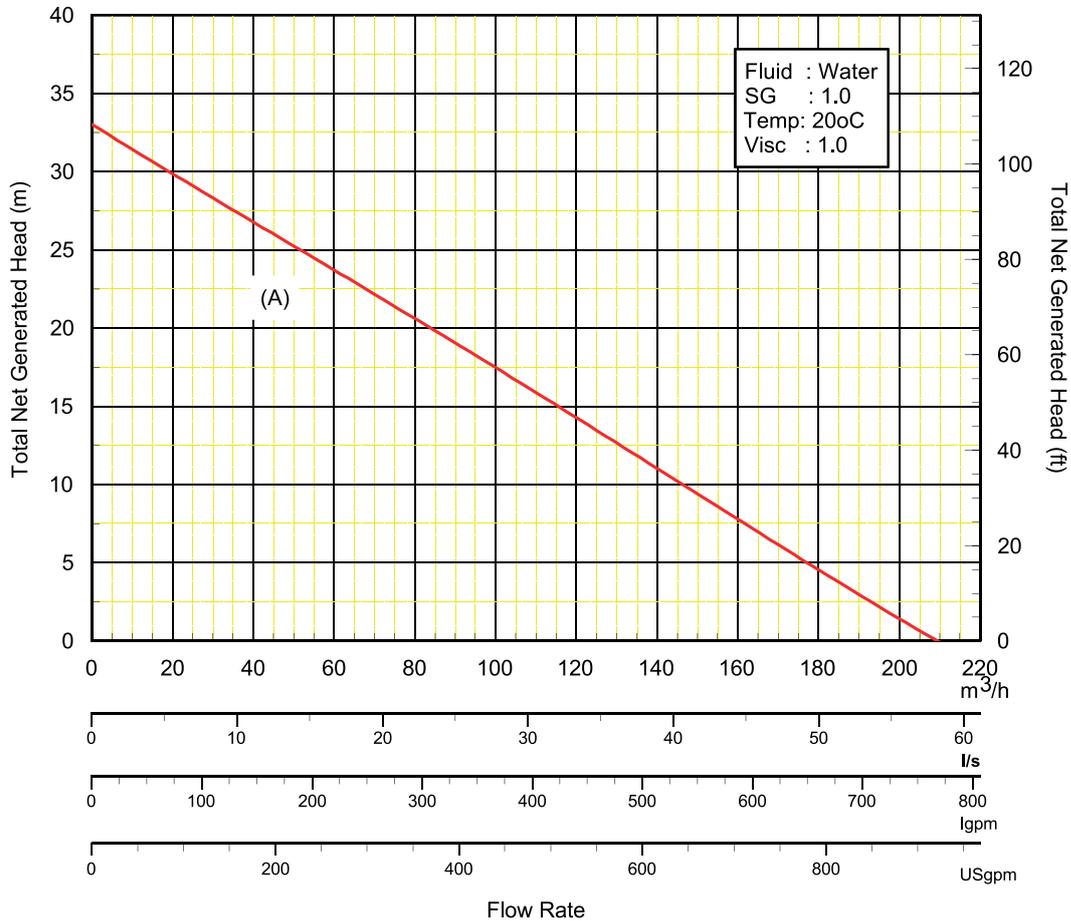


DESIGN FEATURES

- Unique centrifugal screw impeller allows pumping of liquids with viscosities to 10000 CST.
- Small overall size.
- Variable Speed Hydraulic Drive with a wide range of performance.
- Will pass 50mm dia semi solids.
- Oil Lubricated Mechanical Seal - pump can run dry.
- Can be used as an in-line booster pump.
- Safe Hydraulic Drive can be used where electric power is hazardous or impractical.
- Operates with our HT11D, HT25D, HT35D or HSQ35D Hydraulic Power Units or any open centre power source with output flows to 30 l/m.

DEWATERING

HYDRAFLOW DATA SHEET



Hydraulic Input: (A) 41 l/m @ 179 bar
* Typical performance with HT25D or HSQ35

HYDRAULIC SUBMERSIBLE PUMP

PUMP TYPE	S4SCR
BRANCH SIZES	Suction: 100mm x Disch: 100mm
IMPELLER	Screw
SOLIDS HANDLING	50 mm diameter
HYDRAULIC MOTOR	Gear
INPUT - HYDRAULIC FLOW	41 l/m (max)
INPUT - HYDRAULIC PRESSURE	179 bar (max)
HYDRAULIC OIL	ISO 46
HYDRAULIC OIL TEMPERATURE	Max 140°F

PUMP SPECIFICATIONS

FLOW RATE

210 m³/h Maximum

DISCHARGE HEAD

33 m Maximum

WEIGHT

25 kg

HEIGHT

530 mm

MAX DIAMETER

300 mm

MAX SOLIDS SIZE

50 mm Diameter

HOSE PORT

3/4" NPT F

SUCTION FLANGE

4 1/2" Flange

DISCHARGE PORT

4" Quick Release Coupling

POWER SOURCE

HT25D, HT35D or HSQ35D

PUMP CASING

Seawater Resistant Aluminium

IMPELLER

Nodular Cast Iron

WEAR RING &/OR PLATE

n/a

SHAFT

Stainless Steel

SHAFT SEAL - STANDARD

Silicon Carbide

ALTERNATIVE SEAL

Refer to SPP

ELASTOMERS - STANDARD

Buna (N)

HYDRAULIC OIL

214-320 s.s.u. @ 64 Deg. C

INPUT FLOW

60 l/m Maximum

OPERATING PRESSURE

250 bar Maximum