

Groundwater Pumps

Sta-Rite HighFlow Submersible Pumps

The new L90HF 4" 250 Lpm stainless steel submersible pump range from Sta-Rite delivers efficient and dependable performance even in rough, aggressive water. Using motors from 1.5–5.5kW, the range delivers flows over 300 Lpm, with maximum total head over 100m.

HighFlow Range



Impellers are moulded from polycarbonate and reinforced with glass fibre to ensure smooth water passage for minimum friction loss, and at the same time provide resistance to abrasive materials. With between 7 and 23 stages, they have been expertly matched to the power output of the recommended motors. For high-yielding bores, the best available pump is the Sta-Rite HighFlow.

Construction features

Upthrust washer: Phenolic washer at each stage for wear resistance. Positioned between 2 stainless steel inserts, one at the top of the impeller and one at the bottom of the diffuser. Impeller: 20% glass filled polycarbonate. 300 series stainless steel flange ring for radial wear resistance at the impeller eye. Cup: Glass-filled Noryl (GFN-2, 20%). Full floating stack design.

Internal components

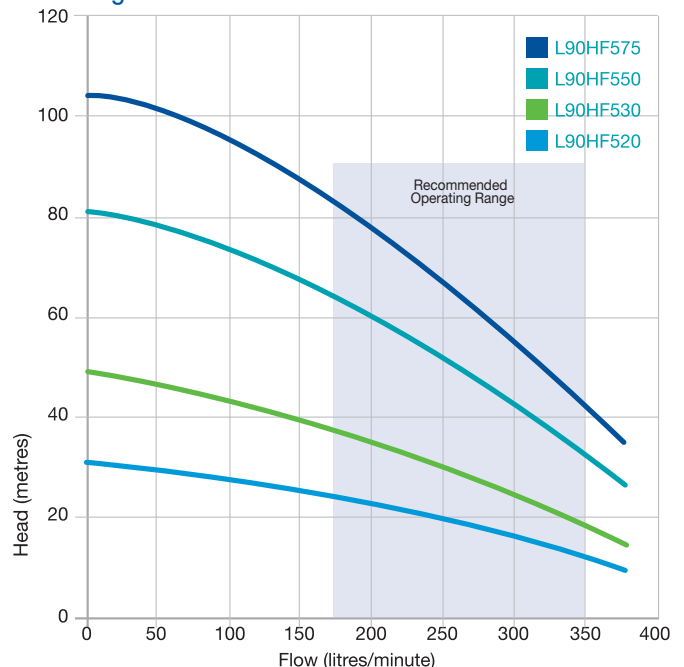
Impeller eye seal: Urethane material provides protection and allows sand particles to pass through the intake area without enlarging the disc eye or the impeller eye. Diffuser: 20% glass filled polycarbonate. Includes 300 series stainless steel insert for radial protection. Each stage also includes a urethane bearing. Inside each urethane bearing is a 300 series stainless steel bearing. Top bearing: Acetal – enclosed top bearing with seal.



HighFlow Borehole Pumps features

Heavy-duty cast stainless steel discharge	Smooth water passage though 2" port
Large wrench flats	Easier installation for torquing up to column
Sealed and lubricated top bearing	Keeps abrasives out for long life
20% glass-filled impellers	Resist abrasives, efficient hydraulic form
Phenolic upthrust bearings at each stage	Along with stainless steel thrust rings, give excellent wear-resistant surfaces for reliability and long life
2mm thick heavy gauge shell	Ultimate strength.

HighFlow Performance



90 LITRE PUMP			
Glass reinforced engineering plastic ends for corrosion protection. Discharge 1 1/4" BSP.			
MODEL	HP	KW	STAGES
L90HF575	7.5	5.5	23
L90HF550	5.0	3.7	18
L90HF530	3.0	2.2	11
L90HF520	2.0	1.5	7

Franklin Electric

Submersible Motors and Accessories

Franklin Range



Onga carries a full range of Franklin Electric submersible motors from 4" up to 8". All motors are constructed to NEMA standards. All Franklin motors are supplied with a neoprene spline protector and sand slinger. A lightning arrestor is built into Franklin motors. The motor base is equipped with a pressure equalising diaphragm which adapts the motor's internal pressure to the depth at which it is operating. High thrust and 316 construction are options available on 3HP and higher motors, in 4" and above. All 6" and 8" motors are equipped with temperature sensors for connection to Subtrol-Plus motor protection.

Also available from Onga are 4" submersible pump and motor protection:

- Pumptec [0.25–1.1kW]
- Pumptec Plus [0.37–3.7kW]

These controls protect your pump against under- and over-voltage, overload, low water level, rapid cycling from leaks or similar, sand or mud clogging or other faults in your system. Just about anything that might damage your pump is detected before it can do any harm.

Onga has everything you need for your bore:

- high pressure fibrewound or steel tanks
- pressure switch kit
- stainless steel safety cable and cable grips
- electrical cable submersible splicing kits
- bore caps for 4–6" bores to suit 1½" polythene pipe
- pump shrouds to promote motor cooling and ensure long life
- bore level pump controls
- pressure kit (180–560kPa)
- motor leads
- gate valves.

