

# 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

**Uphrust 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

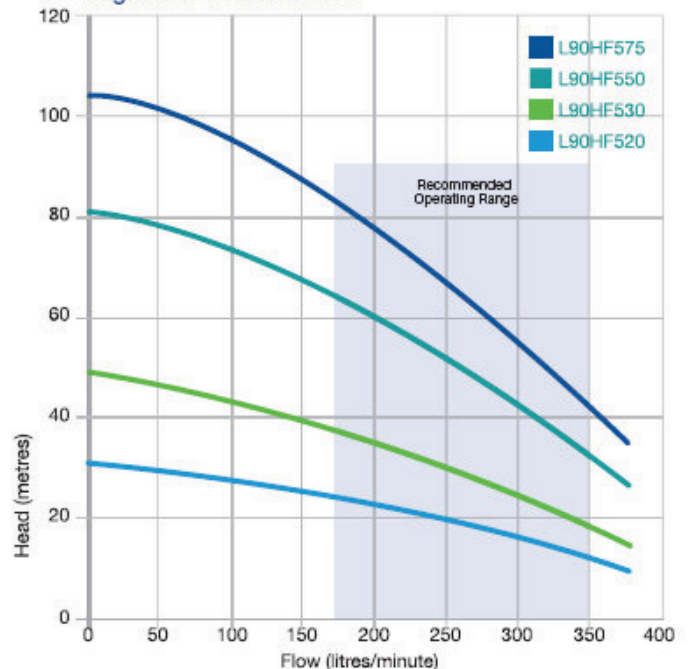
**Impeller eye seal:** Urethane material provides protection and allows sand particles to pass through the intake area without enlarging the disc eye or the impeller eye.  
**Diffuser:** 20% glass filled polycarbonate. Includes 300 series stainless steel insert for radial protection. Each stage also 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 through 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