

be think innovate

OPEN WELL SUBMERSIBLE PUMPS

SmART SUB Series Single Phase and Three Phase Horizontal open well Submersible Pumps are designed for under water application and therefore no need of priming and foot valve. Pumps are suitable for open well or tanks where there is wide fluctuations in water level.



Domestic Building



Commercial Building



Fountain



Sprinkler & Landscaping

GRUNDFOS 

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Product features:

- Carbon Radial bush bearing
- SS Thrust bearing and Carbon pads at both Drive End and Non Drive End to take care of axial thrust load
- PVC insulated 3 core 1.5mm²
- Anticorrosive coating on the Cast Iron parts - protection from rust and corrosion
- Winding overhang protector
- Neck ring in the volute casing - High Efficiency
- Locally rewindable and repairable
- Supplied with Starter Box for 1 phase Pumps
- Designed for continuous duty S1
- Supplied with L bend stainer & Cable joining kit
- Cable Glands - To avoid ingress of water entry
- Both water filling and drain plugs are available

Pumped Liquid:

Clean, thin, non-aggressive, non-explosive, clear cold, fresh water without abrasives, solid particles or fibers.

Material of Construction:

- Impeller - Noryl & Cast Iron (CED Coated)
- Shaft - SS, Pump body - SS & Thrust ring-SS
- Radial Bearing - Carbon
- Mechanical Seal - Ceramic vs. Graphite
- Thrust bearing - SS / Carbon
- Volute casing - Cast Iron

Applications:

- Sump to Over Head Tank Filling
- Farms
- Fountains
- Industrial and rural water supply
- Gardening
- Landscaping

Supply Voltage:

180V - 240V AC, 1ph, 50Hz ; 360 - 440V AC, 3ph, 50Hz

Available Range:

| Model | Phase | KW | HP | Flange Size (mm) | | Hydraulic Data | | | | | | | | | | | | | |
|------------------------------|-------|------|-----|------------------|-----------|----------------|----------|------------|----------|------------|----------|------------|----------|------------|----------|------------|----------|------------|----------|
| | | | | Suction | Discharge | Flow (LPH) | Head (m) | Flow (LPH) | Head (m) | Flow (LPH) | Head (m) | Flow (LPH) | Head (m) | Flow (LPH) | Head (m) | Flow (LPH) | Head (m) | Flow (LPH) | Head (m) |
| SmART SUB HOS 1.0 - 0.5HP* | 1 | 0.37 | 0.5 | 25 | 25 | Flow (LPH) | 7200 | 6600 | 5100 | 3900 | 2400 | 600 | | | | | | | |
| | | | | | | Head (m) | 12 | 14 | 16 | 18 | 20 | 21 | | | | | | | |
| SmART SUB HOS 1.0 - 1 HP* | 1 | 0.75 | 1 | 25 | 25 | Flow (LPH) | 7800 | 7500 | 6900 | 6000 | 4800 | 3600 | 2400 | 1200 | | | | | |
| | | | | | | Head (m) | 12 | 15 | 18 | 21 | 24 | 27 | 30 | 32 | | | | | |
| SmART SUB HOS 2.0 - 1 HP* | 1 | 0.75 | 1 | 50 | 50 | Flow (LPH) | 21000 | 18000 | 15000 | 10800 | 3000 | | | | | | | | |
| | | | | | | Head (m) | 6 | 9 | 12 | 15 | 18 | | | | | | | | |
| SmART SUB HOSD 1.0 - 1.5 HP* | 1 | 1.1 | 1.5 | 32 | 25 | Flow (LPH) | 8400 | 7670 | 7000 | 6230 | 5280 | 4360 | 3370 | 1730 | | | | | |
| | | | | | | Head (m) | 12 | 16 | 19 | 22 | 26 | 29 | 32 | 36 | | | | | |
| SmART SUB HOSD 1.5 - 2.0 HP | 1 | 1.5 | 2 | 40 | 40 | Flow (LPH) | 11260 | 11040 | 10020 | 8750 | 7330 | 6450 | 5300 | 3780 | 2550 | | | | |
| | | | | | | Head (m) | 19 | 21 | 27 | 33 | 39 | 43 | 45 | 48 | 50 | | | | |
| SmART SUB HOTD 1.5 - 2.0 HP | 3 | 2.2 | 3 | 40 | 40 | Flow (LPH) | 19860 | 19620 | 19440 | 17580 | 15600 | 11940 | 8520 | | | | | | |
| | | | | | | Head (m) | 5 | 10 | 16 | 21 | 26 | 31 | 36 | | | | | | |
| SmART SUB HOT 2.0 - 5 HP | 3 | 3.7 | 5 | 50 | 50 | Flow (LPH) | 33060 | 32160 | 29340 | 25740 | 22440 | 18420 | 13500 | 10680 | 7560 | | | | |
| | | | | | | Head (m) | 8 | 10 | 15 | 20 | 24 | 28 | 32 | 34 | 36 | | | | |
| SmART SUB HOT 2.0 - 7.5 HP | 3 | 5.5 | 7.5 | 65 | 50 | Flow (LPH) | 39780 | 38640 | 36720 | 33660 | 30840 | 27120 | 23640 | 19440 | 13320 | 10020 | 6120 | | |
| | | | | | | Head (m) | 11 | 15 | 20 | 25 | 30 | 35 | 40 | 45 | 50 | 52 | 54 | | |
| SmART SUB HOT 2.5 - 7.5 HP | 3 | 5.5 | 7.5 | 80 | 65 | Flow (LPH) | 61020 | 56220 | 50520 | 46380 | 40860 | 33720 | 25860 | 18420 | | | | | |
| | | | | | | Head (m) | 66990 | 24 | 26 | 29 | 31 | 33 | 35 | 37 | | | | | |
| SmART SUB HOT 2.0 - 10.0 Hp | 3 | 7.5 | 10 | 65 | 50 | Flow (LPH) | 42120 | 40280 | 38430 | 35340 | 32160 | 28740 | 24660 | 22220 | 13740 | | | | |
| | | | | | | Head (m) | 10 | 15 | 20 | 25 | 30 | 35 | 40 | 45 | 55 | | | | |
| SmART SUB HOT 2.5 - 10.0 Hp | 3 | 7.5 | 10 | 80 | 65 | Flow (LPH) | 70260 | 66990 | 61860 | 55620 | 47400 | 38700 | 22140 | | | | | | |
| | | | | | | Head (m) | 27 | 29 | 31 | 33 | 35 | 37 | 39 | | | | | | |

The Pump performance is based on rated voltage (220V for 1 phase, 415V for 3 phase) at rated frequency 50Hz.



For more information, contact us:

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