

GRUNDFOS OPEN WELL SUBMERSIBLE PUMPS

SmART SUB Series Single 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.



Product features :

- Carbon Radial bush bearing
- Thrust bearing AISI 410 and Carbon pad at both DE and NDE to take care of axial thrust load
- PVC insulated 3 core 1.5mm² motor cable
- Anticorrosive coating on the CI parts free from rust and corrosion
- Winding overhang protector
- Neck ring in the volute casing
- Locally rewindable and repairable
- Supplied with L bend stainer

Pumped Liquid :

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

Material of Construction :

- Impeller - Noryl
- Shaft - SS, 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 in Commercial and Domestic Buildings,
- Farms
- Fountains
- Industrial and rural water supply
- Gardening

Available Range :

Model	Phase	KW	HP	Flange Size (mm)		Hydraulic Data												
				Suction	Discharge	Flow (LPH)	7200	6600	5100	3900	2400	600						
SmART SUB HOS 1-0.37 kw	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 1-0.75 kw	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 2-0.75 kw	1	0.75	1	50	50	Flow (LPH)	21000	18000	15000	10800	3000							
						Head (m)	6	9	12	15	18							
SmART SUB HOS 1 - 1.1 kw	1					Flow (LPH)	20220	18420	17340	16260	14760	12960	11160	8640	5760	0		
SmART SUB HOT 1 - 1.1 kw	3	1.1	1.5	32	25	Head (m)	7	10	12	14	16	18	20	22	24	26		
SmART SUB HOSD 1 - 1.1 kw	1					Flow (LPH)	8395	7662	7002	6232	5279	4363	3373	1723	0			
SmART SUB HOTD 1 - 1.1 kw	3	1.1	1.5	32	25	Head (m)	12	16	19	22	26	29	32	36	39			
SmART SUB HOS 1.5 - 1.5 kw	1					Flow (LPH)	22620	21120	18240	16440	15000	13500	12060	9120	4380	0		
						Head (m)	5	10	15	18	20	22	24	27	30	32		
SmART SUB HOT 1.5 - 1.5 kw	3	1.5	2	40	40	Head (m)	5	10	15	18	20	22	24	27	30	32		
SmART SUB HOSD 1.5 - 1.5 kw	1					Flow (LPH)	11259	11040	10020	8745	7324	6449	5309	3782	2545	0		
						Head (m)	19	21	27	33	39	43	45	48	50	51		
SmART SUB HOT 1.5 - 2.2 kw	3	2.2	3	40	40	Flow (LPH)	19860	19620	19440	17580	15600	11940	8520	0				
						Head (m)	5	10	16	21	26	31	36	38				
SmART SUB HOT 2 - 3.7 kw	3	3.7	5	50	50	Flow (LPH)	33060	32160	29340	25740	22440	18420	13500	10680	7560	0		
						Head (m)	8	10	15	20	24	28	32	34	36	38		
SmART SUB HOT 2 - 5.5 kw	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 - 5.5 kw	3	5.5	7.5	80	65	Flow (LPH)	61020	56220	50520	46380	40860	33720	25860	18420	0			
						Head (m)	22	24	26	29	31	33	35	37	38			
SmART SUB HOT 2.0 - 7.5 kw	3	7.5	10	65	50	Flow (LPH)	42120	40280	38430	35340	32160	28740	24660	22220	13740	0		
						Head (m)	10	15	20	25	30	35	40	45	55	60		
SmART SUB HOT 2.5 - 7.5 kw	3	7.5	10	80	65	Flow (LPH)	70260	66990	61860	55620	47400	38700	22140	0				
						Head (m)	27	29	31	33	35	37	39	40				