

Vera™ - 5" SUBMERSIBLE CLOSE-COUPLED STAINLESS STEEL MULTISTAGE CLEAN WATER ELECTRIC PUMPS for collection tanks or cisterns, reservoirs, open large wells, basins, shallow wells, irrigation, gardens and for traditional 5" or 6-inch wells (with Maximum Depth of Immersion of 20m) close-coupled to a 2 pole electric motor cooled by the pumped liquid.

APPLICATIONS

Suitable to extract underground water for general water well applications: water supply from wells, cisterns, collection tanks or from reservoirs, basins, garden, orchard and landscape irrigation, vineyards, sprinkler systems, turf watering, horticulture, golf courses, booster sets; storm and flood water removal, emptying of flooded underground cellars, treated grey waters, garage, basements, pits, rainwaters and storm water harvesting, farmings, stock watering, rural dwellings, private homes and weekend cottages, air conditioning, refrigeration, drinking water circulation, waterfalls, swimming pools, dewatering, water treatment, frost protection, mine drinking water supply and dewatering. They may be installed also horizontally for operation into fountains, ponds, rivers, water tanks, etc.

Suitable to replace standard surface pumps, carrying the advantages of lesser space needed, less maintenance and complete absence of noise. For domestic household, industrial, agricultural, commercial and municipal applications, in all cases where it is requested to lift water out from below the ground and to push it above with pressure: private sector water supply, public and residential buildings, office buildings, hotels, hospitals, industries.





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Vera™ - 5" Range VALCO BRAND SUBMERSIBLE CLOSE-COUPLED STAINLESS STEEL MULTISTAGE ELECTRIC PUMPS FOR CLEAN WATER WITH IMPELLERS MADE IN TECHNOPOLYMER.

Pump and motor construction data
with limits of use and operating conditions

Types		HP	kW	Q= Performance at 2900 rpm														In (A) 1x230V	In (A) 3x400V	No of stages	
1 PH 230V 50Hz	3 PH 400V 50Hz			0	0,6	1,2	1,8	2,4	3	3,6	4,2	4,8	5,4	6	6,6	7,2	7,8				
		m3/h																			
		l/m.																			
5A00-P	5A00-PT	0,6	0,45	36	33	30	27	24	19	14	10	5							3,7	1,4	3
5000-P	5000-PT	0,8	0,6	47	44	40	36	32	26	20	13	7							4,0	1,9	4
5005-P	5005-PT	0,8	0,6	39	37	36	35	33	31	29	27	25	22	19	17	14	11		4,2	2,1	3
5100-P	5100-PT	1	0,75	58	54	50	45	39	32	24	16	8							5,7	2,2	5
5200-P	5200-PT	1,2	0,9	70	65	59	54	47	39	29	20	9							6,5	2,6	6
5205-P	5205-PT	1,2	0,9	52	50	48	46	44	41	39	36	33	30	26	23	19	15		6,4	2,5	4
5300-P	5300-PT	1,5	1,1	79	74	68	63	56	45	34	23	11							7,6	2,9	7
5305-P	5305-PT	1,5	1,1	62	61	59	57	54	52	49	45	41	37	32	28	23	19		8,0	3,0	5
5400-P	5400-PT	2	1,5	102	96	88	80	70	57	43	29	13							9,8	3,5	9
5405-P	5405-PT	2	1,5	74	73	70	68	65	62	58	54	49	44	39	33	28	22		9,4	3,7	6

• Reduction in speed will result in a fall of performance. • DO NOT RUN PUMP DRY! • Tolerances according to ISO 9906 Grade 3B.

OPERATING CONDITIONS (LIMITS OF USE)

Maximum depth of immersion m	40
Maximum temperature of pumped liquid °C	0 +35
pH of pumped liquid	6-10
Maximum working pressure (max allowed pressure in the pump casing) kPa/bar	1000 / 10
Density of pumped liquid with γ =water specific gravity kg/dm3	1
Type of pumped liquid	Neutral clean water and fluid chemically and mechanically non-corrosive, non-aggressive, non-abrasive, non-explosive with hardness and grading of silt 50 g/m3
Presence of solids in suspension	Max solids size up to 1 mm

CONSTRUCTION MATERIALS

Casing	Stainless steel DIN/EN 1.4301 (AISI 304)
delivery / discharge head	Stainless steel DIN/EN 1.4301 (AISI 304)
Motor housing and covers	Stainless steel DIN/EN 1.4301 (AISI 304)
Suction strainer	Stainless steel DIN/EN 1.4301 (AISI 304)
Impeller/s	Technopolymer
Diffusor/s (wear ring)	Technopolymer
Shaft (pump side)	Stainless steel DIN/EN 1.4301 (AISI 304)
Mechanical seal	Double in oil bath*
Bolts and nuts in contact with the liquid	Stainless steel A2 class
Gaskets	NBR rubber

*Silicon carbide, carbon graphite pump side - ceramic, carbon graphite motor side

MOTOR

Asynchronous Electric motor cooled by pumped liquid	
Number of poles	2
Insulation class	F
Degree of protection IP	68
Service	Continuous duty
Built in thermal protection	Yes up to 1,1 kW
Maximum tolerance (fluctuation) from the nominal voltage	± 10%
Starts per hour max	40

Supplied as standard with 10m electric cable type H07RN-F. Available on request with overprice with 20 m

Built in capacitor

1 phase: supplied as standard with float switch

1phase 1,5 Kw and 3phase: the overload motor protection must be provided by the user (we recommend the use of a control box)

Types		DNm	Dimensions in mm		Weight in Kg
1 PH 230V 50Hz	3 PH 400V 50Hz		W	H	
5A00-P	5A00-PT	G 1"1/4	124	439	14
5000-P	5000-PT		124	495	15,5
5005-P	5005-PT		124	469	16
5100-P	5100-PT		124	521	16,5
5200-P	5200-PT		124	590	19
5205-P	5205-PT		124	515	17,5
5300-P	5300-PT		124	616	20
5305-P	5305-PT		124	541	18,5
5400-P	5400-PT		124	698	23,5
5405-P	5405-PT		124	620	20,5

Available on request with overprice G 1" and NPT 1"

Not in scale

