

EU



E-Tech



Franklin Electric

4" SUBMERSIBLE PUMPS VS 2

50Hz



VS Series Stainless Steel 4" Submersible Pumps

Characteristics and Hydraulic Performances

50 Hz

Series VS 1 - 2 - 4 - 6 - 8 - 10 - 15

4" Submersible Pumps

APPLICATIONS

- Municipal water works, fountains and waste water
- Water distribution and pressure boosting
- Irrigation and sprinkler systems, water treatment plants, filtration and reverse osmosis
- Industrial cooling and processing
- Mining industry, drainage and dewatering
- Fire-fighting equipment
- Water supply to and from tanks, reservoir and wells
- Lifting and distribution of a wide range of liquids
- Autoclave and cistern charge and discharge
- Turf and landscape
- Greenhouses and nurseries
- Residential and farm wells and drainage
- Food industry
- General industry

FEATURES

- Compact, reliable and suited to operate in horizontal position
- Built-in check valve to protect the pump against water hammer risk
- Floating impellers to grant a better performance and longer life for the pump against abrasion
- The hydraulic design is such to enhance the overall efficiency thus reducing energy consumption and making the pumping systems more cost effective

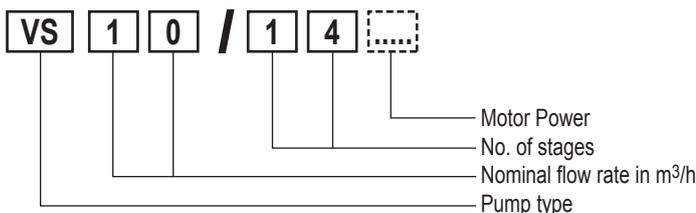
SPECIFICATIONS

- Capacities up to 24 m³/h at 50Hz
- Pumped liquid: chemically and mechanically non aggressive
- Water temperature range: from 0°C to 40°C
- Maximum allowable amount of sand 25 gr/m³, solid dimension max 2mm
- Maximum pump diameter (including cable guard): 95mm
- Outlet diameter: 1 ¼" VS1-2-4-6, 2" VS8-10-15
- Rotation: counter clockwise when looking into the discharge
- Motor adapter in compliance with NEMA standard
- Pump can work continuously in vertical or horizontal position
- Motors: see section Submersible Motors Product Overview

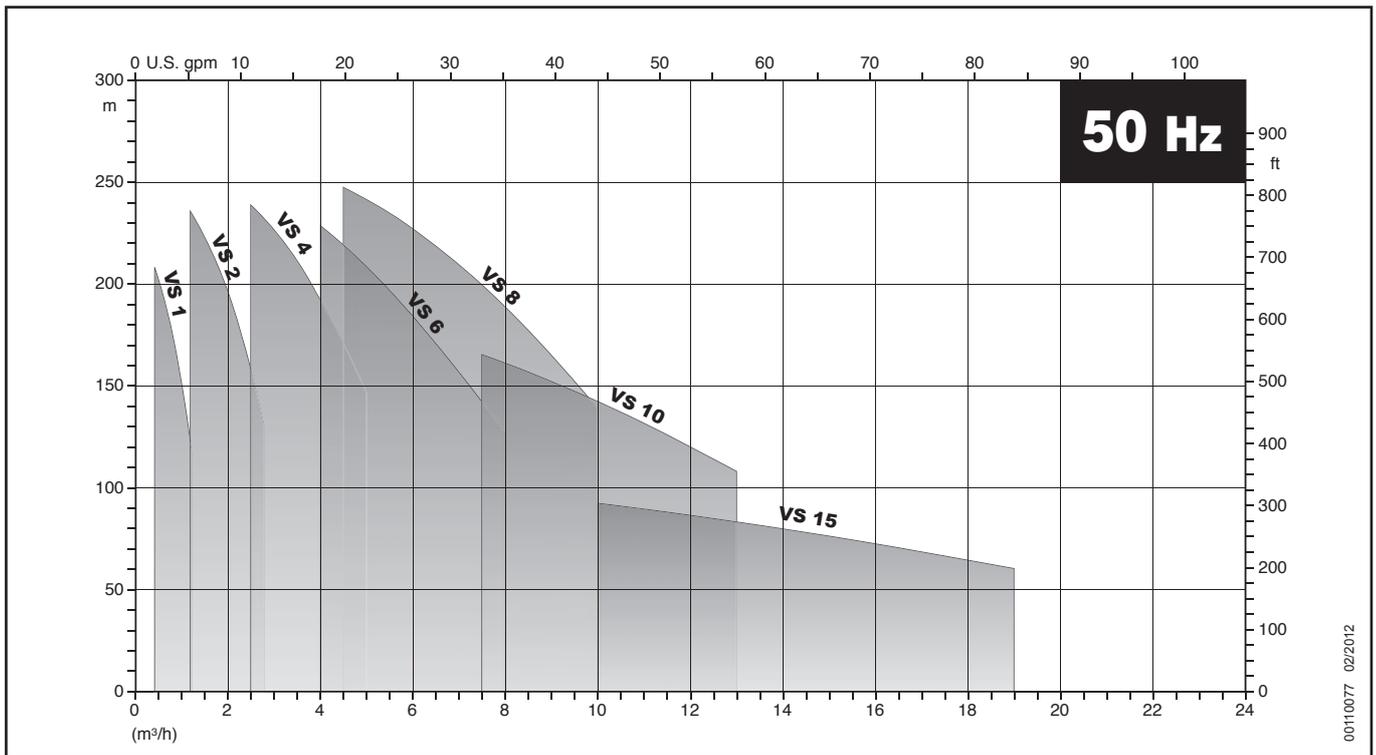
AVAILABLE OPTIONS

- Motor-pump : Cooling shroud, Suction shroud

PUMP IDENTIFICATION CODE



00117028 10/2010



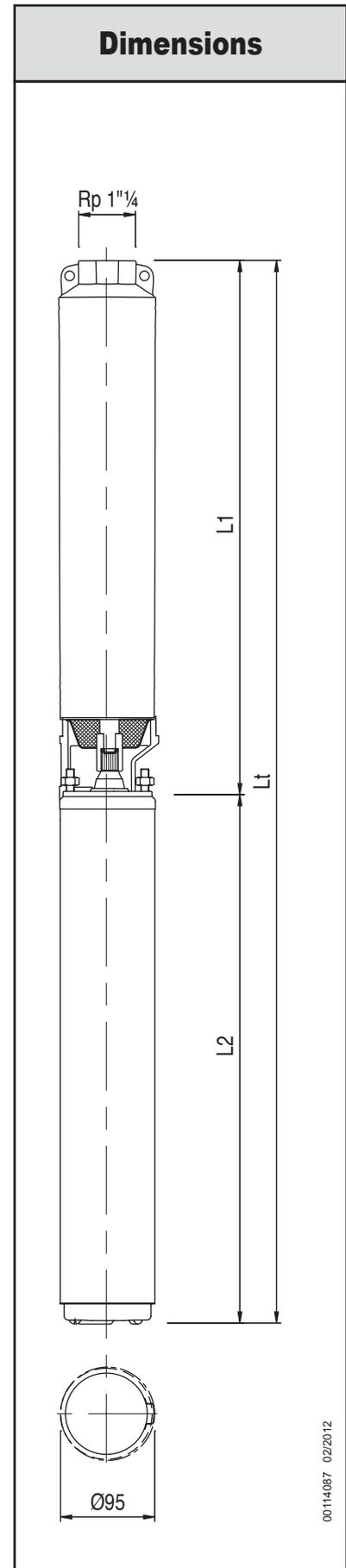
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MATERIAL IN CONTACT WITH THE LIQUID

Pos.	PARTS DESCRIPTIONS	MATERIAL		
		Type	AISI	DIN / EN
10.00	Discharge head and and screws	Stainless steel	304	1.4301
10.01	Valve	Stainless steel	304	1.4301
10.02	O-ring	Nitrile Rubber	-	-
10.04	Valve support	Resine	-	-
20.00	Outer case	Stainless steel	304	1.4301
20.01	Suction Strainer	Stainless steel	304	1.4301
20.02	Cable guard and screws	Stainless steel	304	1.4301
20.05	Motor adapter	Stainless steel	304	1.4301
30.00	Pump shaft	Stainless steel	304	1.4301
30.01	Coupling	Stainless steel	304	1.4301
30.04	Upper journal sleeve	Stainless steel	304	1.4301
30.05	Screw and washer	Stainless steel	304	1.4301
30.07	Lower spacer	Stainless steel	304	1.4301
30.08	Upper spacer	Polycarbonate	-	-
40.00	Diffusers	Technopolymer	-	-
40.01	Secondary bearing bush	Resine	-	-
40.04	Bearing bush	Resine	-	-
40.05	Upper bearin guide	Resine	-	-
40.09	Stage housing	Stainless steel	304	1.4301
50.00	Impeller	Polycarbonate	-	-

Pumps with Encapsulated Motor

Pump model type	Motor			Dimensions [mm]					Weight [Kg]				
	Type	kW	HP	Lt		L2		L1	Motor		Pump	Total	
				1~	3~	1~	3~		1~	3~		1~	3~
VS 2/5	E4	0,37	0,5	506	492	228	214	278	7,8	7,2	3,0	10,8	10,2
VS 2/7	E4	0,37	0,5	542	528	228	214	314	7,8	7,2	3,4	11,2	10,6
VS 2/10	E4	0,55	0,75	615	595	248	228	367	8,7	7,7	4,0	12,7	11,7
VS 2/14	E4	0,75	1	720,5	686	282,5	248	438	10,0	8,7	4,6	14,6	13,3
VS 2/20	E4	1,1	1,5	880,5	824,5	338,5	282,5	542	12,6	10,2	5,6	18,2	15,8
VS 2/27	E4	1,5	2	1044,5	1001,5	349,5	306,5	695	13,0	11,2	7,1	20,1	18,3
VS 2/39	E4	2,2	3	1370,5	1272,5	436,5	338,5	934	16,9	12,6	9,4	26,3	22,0



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Performance curves 50Hz

MEI ≥ 0,40

