

# Valco-Lem™ - SELF PRIMING SINGLE STAGE, CONTRACTORS' CLOSE-COUPLED CENTRIFUGAL SEMI-TRASH ELECTRIC PUMPS

Fully made of cast iron heavy duty, compact, with special sealing arrangements, suction valve with inspection opening, with wear plate, complete with a TEFV VALCO electric motor.  
**Self Priming Pumps: Pumps always ready for use!**



### Applications:

General purpose electric pumps for clean and polluted liquids and sewage, ideal for sumps, vacuum extraction, pump out duty, flood water, for dirty water with solids, grit and sand and for many other applications.

**Other versions available - all parts in contact with the liquid - the pump assembly, can be supplied with following executions:**

- B** = all bronze;
- SS** = all stainless steel;
- SY** = with special coating.

Special sealing arrangements according to the liquid to be pumped.

VALCO-LEM standard execution is with a close-coupled electric motor.

Other coupling arrangements:

- VLK** = bare shaft with free shaft and support suitable for flexible coupling to an electric motor;
- VL-CP** = with pulley;
- VLK-FC** = bare shaft with free shaft and support coupled with a flexible coupling to an electric motor;
- VL-TJ** = execution with gear box for coupling to tractors by universal joint;
- VL-TMT** = execution for truck-mixers and truck-tankers;
- VLF** = flanged pumps for petrol and diesel engines;
- VL-F-E** = close-coupled motor pumps with petrol and diesel engines

TYPES		HP	kW	DNa- Suction BSP/Gas	DNm- Delivery BSP/Gas	Ø max solids in susp. Free passage, mm	Q = Performance at 2900 rpm																								Electric Pump Dimensions in mm	Weight in kg										
1~ 230V 50Hz	3~ 230/400V - 400/690 50Hz						m³/h	0	6	6,6	7,2	7,8	9	11,4	13,2	13,8	16,2	16,8	18	21	24	25,8	27	30	36	40,8	42	45	51	54			57	60	72	75	87	96	99	108	126	
				Hm = Total head in meters w.c.																																						
				l/m																																						
<b>VL1H-1</b>	<b>VL1H-1T</b>	230-400V	1	0,75	1"1/2	1"1/2	12	16,0																														220x375x285	11,8			
<b>VL2-2</b>	<b>VL2-2T</b>	230-400V	1,5	1,1	2"	2"	13	18,5		15,8																												185x410x300	22,5			
<b>VL2-3</b>	<b>VL2-3T</b>	230-400V	2	1,5	2"	2"	14	18,4			16,8	16,6	16,2	15,3	14,7	14,4	13,2	12,9	12,2	10,1	7,5	5,9	4,7															185x410x300	24,5			
<b>VL3-4</b>	<b>VL3-4T</b>	230-400V	3	2,2	3"	3"	26	16,3			15,5	15,3	15,1	14,6	14,2	14,1	13,6	13,5	13,2	12,6	11,9	11,5	11,2	10,5	8,8	7,1	6,6	5,2											185x445x300	32		
	<b>VL2-5T</b>	230-400V	4	3	2"	2"	8	33,0																													230x450x320	37,5				
	<b>VL3-6T</b>	400-690V	5,5	4	3"	3"	8	35,0	32,9	32,7																												360x700x450	83			
	<b>VL3-7T</b>	400-690V	5,5	4	3"	3"	19	30,0												25,7	25,0	24,6	24,3	23,4	21,6	20,0	19,6	18,5	16,0	14,7	13,4	12,0	5,7				360x700x450	80				
	<b>VL4-8T</b>	400-690V	5,5	4	4"	4"	38	14,4							13,4	13,4	13,2	13,2	13,1	12,9	12,6	12,5	12,4	12,1	11,5	11,0	10,8	10,5	9,7	9,3	8,8	8,4	6,4	5,8	3,5			220x375x285	84			
	<b>VL3-9T</b>	400-690V	7,5	5,5	3"	3"	10	48,0												42,6	42,2	41,1	39,8	38,8	38,2	36,3	31,8	27,5	26,3	23,1							360x800x470	99,5				
	<b>VL3-10T</b>	400-690V	7,5	5,5	3"	3"	24	29,0																24,8	23,5	22,2	21,8	20,9	18,9	17,8	16,7	15,4	9,8	8,2				360x800x470	97,5			
	<b>VL3-11T</b>	400-690V	10	7,5	3"	3"	13	51,0																														360x800x470	106			
	<b>VL3-12T</b>	400-690V	10	7,5	3"	3"	24	30,0																														360x800x470	104,5			
	<b>VL3-13T</b>	400-690V	12,5	9,2	3"	3"	14	58,0																														360x800x470	114			
	<b>VL3-14T</b>	400-690V	15	11	3"	3"	16	58,0													53,2	52,5	52,0	51,7	50,8	48,6	46,5	46,0	44,5	41,2	39,3	37,4	35,3	26,0				470x1000x506	203			
	<b>VL4-15T</b>	400-690V	15	11	4"	4"	34	28,0																	26,8	26,4	26,1	26,0	25,8	25,2	24,9	24,7	24,4	23,3	23,0	21,6	20,2	19,7	17,5	10,3	470x1000x545	217,5
	<b>VL3-16T</b>	400-690V	20	15	3"	3"	13	65,0																															470x1000x530	211		
	<b>VL4-17T</b>	400-690V	20	15	4"	4"	39	30,0																															470x1000x545	228		
	<b>VL3-18T</b>	400-690V	25	18,5	3"	3"	14	69,0																															470x1000x530	248		
	<b>VL3-19T</b>	400-690V	30	22	3"	3"	22	81,0																															470x1000x550	276		

• Reduction in speed will result in a fall of performance.

• DO NOT RUN PUMP DRY!

• Tolerances according to ISO 9906, Annex A.