

VS PUMP RANGE



LIQUID, RING **VACUUM PUMPS**



- ∞ CAPACITY < 1 600 M³/Hr
- ∞ MODULAR DESIGNS
- ∞ CORROSION RESISTANT
- ∞ ROBUST DURABLE CONSTRUCTION
- ∞ HIGH VACUUM PERFORMANCE
- ∞ FLEXIBLE MOUNTING OPTIONS

Part of the
Salvatore Robuschi
Pump Range

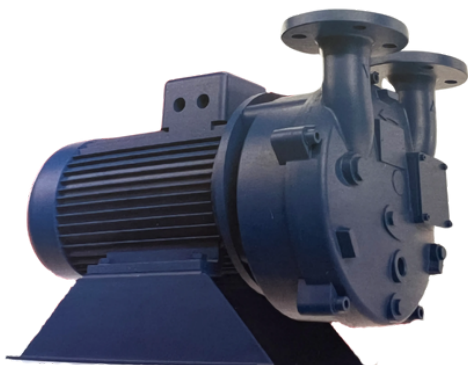


INCREASED EFFICIENCY

The VS series features a single-stage pump with exhaust valves and is available in the following configurations: close-coupled, lantern bracket with coupling, or mounted on a baseplate for motor sizes above 11 kW.

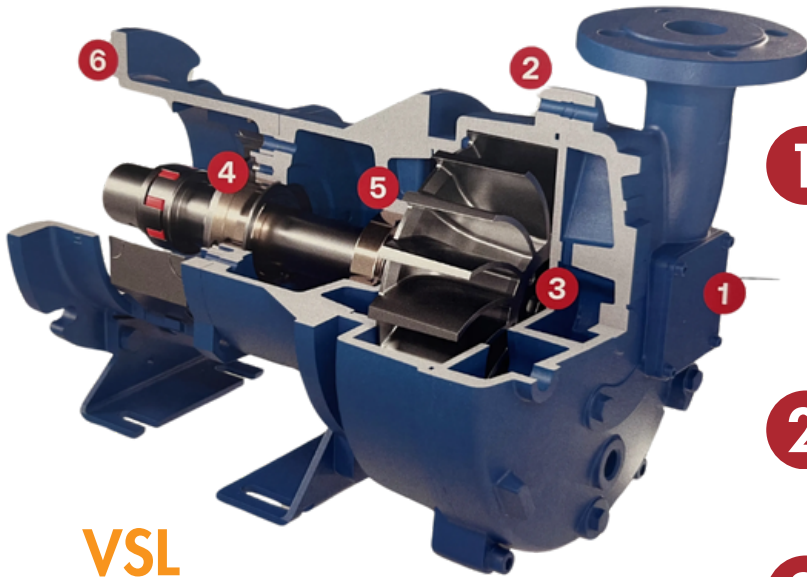
The close-couple and lantern bracket configurations feature standardized IEC motors, ensuring easier maintenance. The pumps are manufactured in various materials and are always equipped with a SS AISI 316L distribution plate. They are suitable for achieving vacuum levels as low as 33 mbar and handling capacities ranging from 35 to 1600 m³/hr.

The new VS series incorporates innovative solutions to enhance the reliability and usability of the pumps, with special attention given to optimising service liquid consumption.



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VSL

1 Quick and easy access to the distribution valve, externally accessible and replaceable in just minutes for minimal downtime.

2 Solid gaskets to simplify and speed up maintenance.

3 Practical & quick adjustment using a standard Allen key, without the need to remove the impeller.

4 Heavy-duty, lifetime-lubricated bearings are sized for maximum durability and

5 are ideal for the most demanding conditions. The pump-side bearing is protected from external contamination by a lip seal.



VSM

6 The lantern version is designed for maximum versatility. Equipped with an elastic coupling, it allows the installation of higher power motors to meet the demands of more challenging applications.

7 The monoblock version accommodates standardized IEC motors, ensuring easy maintenance.

VS PUMP RANGE



LIQUID, RING **VACUUM PUMPS**



- 1 Single-stage pump with valves and stainless steel or ductile cast iron plate.
- 2 Double-end shaft support for enhanced stability.
- 3 Grease-lubricated bearings with protective lip seals.
- 4 Single service liquid inlet with optimized flow rates for maximum efficiency.

VSB TECHNICAL SPECIFICATION

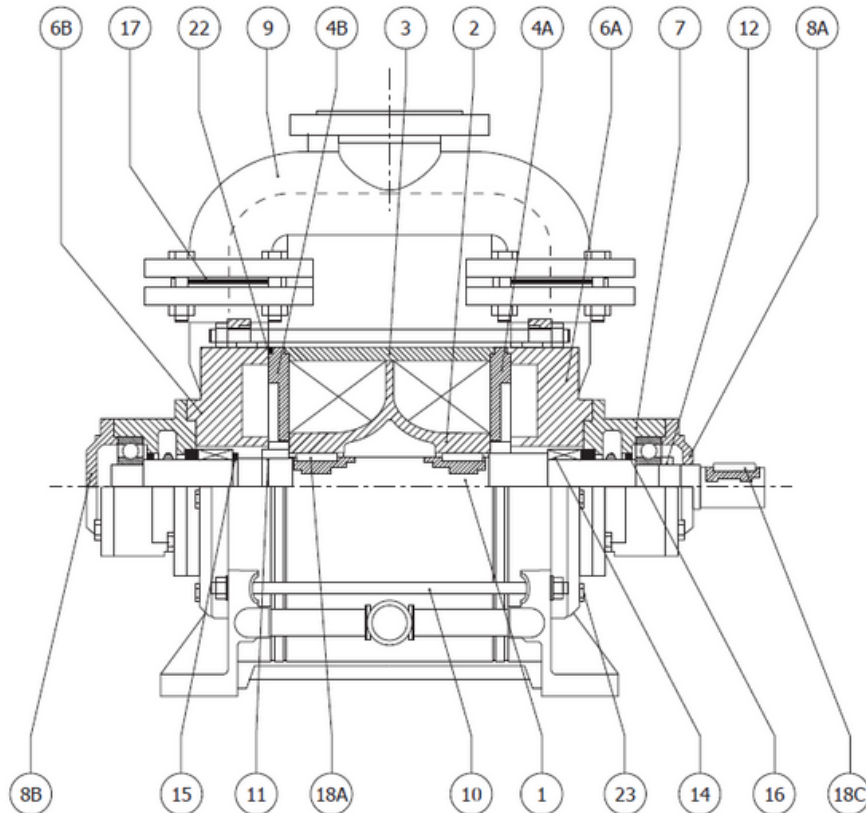
Model	Dimensions (mm)							Weight (Bare shaft) (kg)	Weight (with motor) (kg)
	a	b	c	d	e	f	g		
VS100-22	1385	711	316	392	430	467	1150	215	395
VS100-30	1528	790	355	435	507	547	1280	237	460
VS126-26	1776	907	408	499	545	605	1460	440	870
VS125-40	2088	1047	478	569	690	745	1710	530	1200

VS PUMP RANGE



LIQUID, RING VACUUM PUMPS

VSB SECTIONAL DRAWING & PARTS LIST



1	Shaft	10	Tie Rod
2	Impeller	11	Impeller Nut
3	Casing	12	Bearing Nut
4A	Suction Plate	14	Mechanical Seal
4B	Discharge Plate	15	Mechanical Seal Spacer
6A	Front Casing	16	O-Ring
6B	Back Casing	17	Gasket
7	Bearing Carrier	18A	Impeller Key
8A	Bearing Cover	18C	Coupling Key
8B	Bearing End Cover	22	Paper Gasket
9	Brach Pipe	23	Plug

VS PUMP RANGE

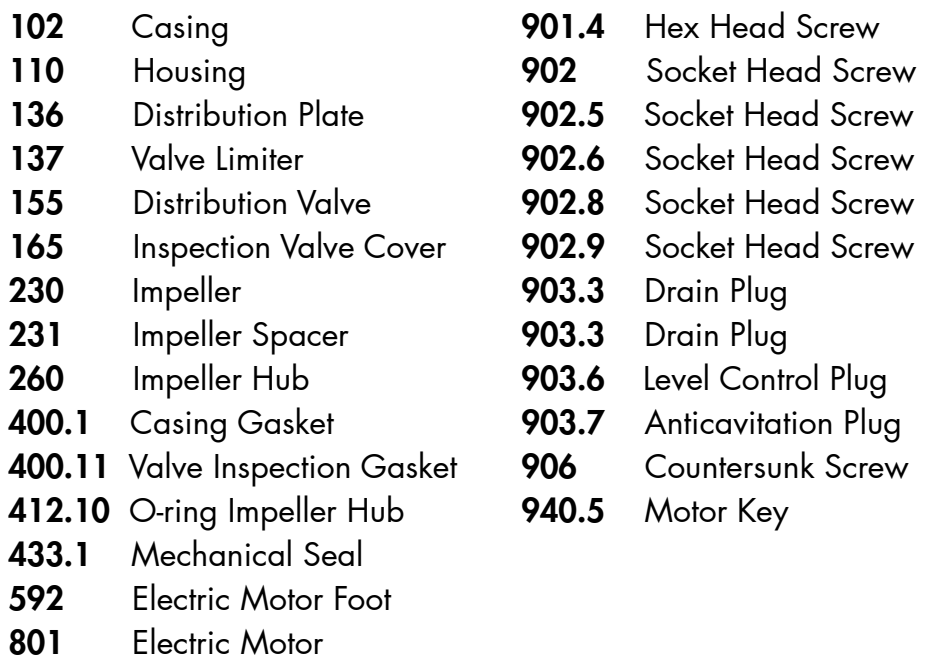


LIQUID, RING VACUUM PUMPS

VSM TECHNICAL SPECIFICATION

Pump Size	Power (kW)	(Hz)	Pump (mm)									Connections (inch)		
			DN	a	f	g1	H	h1	h2	l1	T(*)	d1	d2	d3
40-06	3	50	40	180	215	94	100	200	374	330	573	G 1/2"	G 1/2"	G 1/4"
40-06	4	60	40	180	215	94	112	212	386	330	549	G 1/2"	G 1/2"	G 1/4"
40-08	4	50	40	180	235	94	112	212	386	330	596	G 1/2"	G 1/2"	G 1/4"
65-08	5.5	50	65	200	252	114	132	212	417	385	624	G 1/2"	G 3/4"	G 3/8"
65-08	7.5	60	65	200	252	114	132	212	417	385	661	G 1/2"	G 3/4"	G 3/8"
65-11	7.5	50	65	200	285	114	132	212	417	385	694	G 1/2"	G 3/4"	G 3/8"

Pump Size	Power (kW)	(Hz)	Support foot (mm)										Dimensions Flange (mm)		
			c1	m1	m2	m5	n1	n2	s1	s2	s3	w			
40-06	3	50	4	370	248	61	227	254	12	28	13	149	DN	40	65
40-06	4	60	4	370	248	61	257	284	12	28	13	156	CF	110	145
40-08	4	50	4	370	248	61	257	284	12	28	13	176	DE	150	185
65-08	5.5	50	4	400	328	36	298	325	12	28	15	155	iF	18	18
65-08	7.5	60	4	400	328	36	298	325	12	28	15	174	zF	4	4
65-11	7.5	50	4	400	328	36	298	325	12	18	19	207			

The Crest Pumps logo features a stylized infinity symbol above the company name. The symbol is composed of two interlocking loops, with the left loop in grey and the right loop in green. Below the symbol, the word "CRESTPUMPS" is written in a bold, sans-serif font. "CREST" is in green and "PUMPS" is in grey.
VSM SECTIONAL DRAWING & PARTS LIST

VS PUMP RANGE



LIQUID, RING VACUUM PUMPS

VSL TECHNICAL SPECIFICATION

Pump Size	Power (kW)	(Hz)	Pump (mm)								Shaft (mm)				Connections (inch)		
			DN	a	f	g1	h1	h2	l1	T(*)	d	l	t	u	d1	d2	d3
40-06	3	50	40	180	501	94	160	334	330	877	24	60	27	8	G 1/2"	G 1/2"	G 1/4"
40-06	4	60	40	180	501	94	160	334	330	890	24	60	27	8	G 1/2"	G 1/2"	G 1/4"
40-08	4	50	40	180	521	94	160	334	330	910	24	60	27	8	G 1/2"	G 1/2"	G 1/4"
40-08	5.5	60	40	180	541	94	160	334	330	902	24	60	27	8	G 1/2"	G 1/2"	G 1/4"
65-08	5.5	50	65	200	645	114	202	407	385	1026	32	80	35	10	G 1/2"	G 3/4"	G 3/8"
65-08	7.5	60	65	200	645	114	202	407	385	1063	32	80	35	10	G 1/2"	G 3/4"	G 3/8"
65-11	7.5	50	65	200	678	114	202	407	385	1096	32	80	35	10	G 1/2"	G 3/4"	G 3/8"
65-11	11	60	65	200	708	114	202	407	385	1206	32	80	35	10	G 1/2"	G 3/4"	G 3/8"
65-17	11	50	65	200	769	114	202	407	385	1267	32	80	35	10	G 1/2"	G 3/4"	G 3/8"
65-17	15	60	65	200	769	114	202	407	385	1314	32	80	35	10	G 1/2"	G 3/4"	G 3/8"

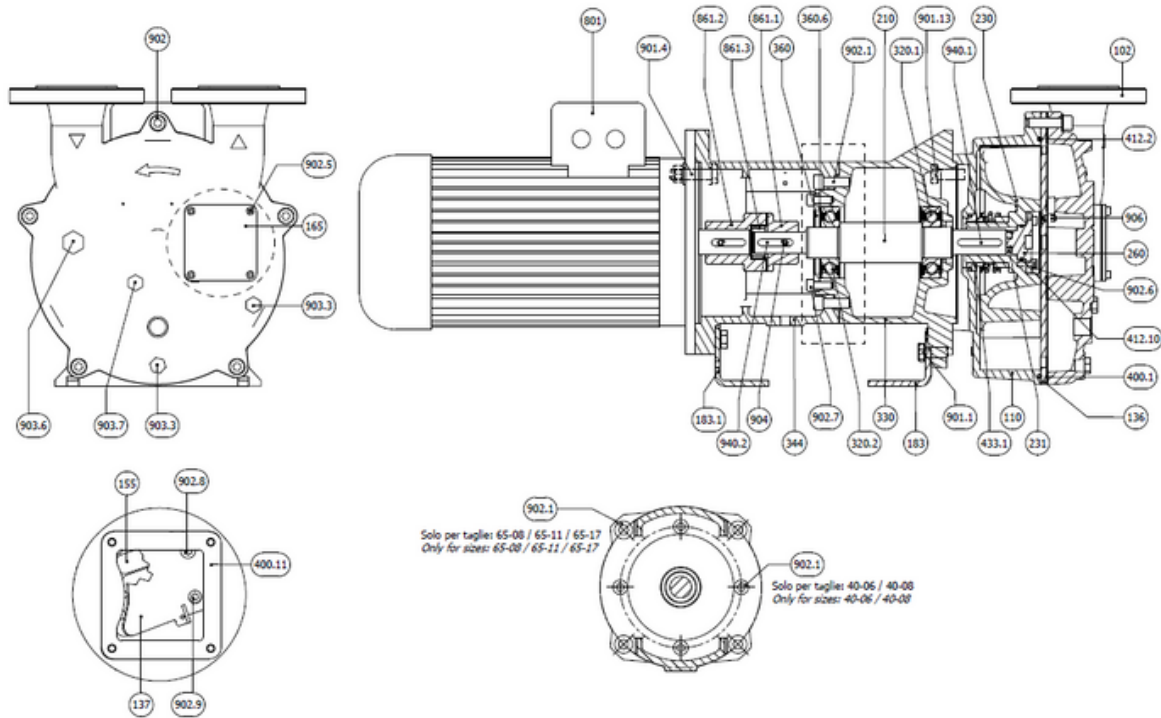
Pump Size	Power (kW)	(Hz)	Support Foot														
			c1	m1	m2	m3	m4	m5	n1	n2	n3	n4	s1	s2	s3	s4	w
40-06	3	50	6	240	194	70	60	32	190	230	120	160	13	39	13	20	179
40-06	4	60	6	240	194	70	60	32	190	230	120	160	13	39	13	20	179
40-08	4	50	6	240	194	70	60	32	190	230	120	160	13	39	13	20	199
40-08	5.5	60	6	267	238	70	50	15	190	230	190	240	13	39	15	15	199
65-08	5.5	50	6	357	307	90	50	16	210	250	190	240	14	46	15	14	215
65-08	7.5	60	6	357	307	90	50	16	210	250	190	240	14	46	15	14	215
65-11	7.5	50	6	357	307	90	50	16	210	250	190	240	14	46	15	14	248
65-11	11	60	6	382	328	90	55	20	210	250	212	265	14	46	19	17	248
65-17	11	50	6	382	328	90	55	20	210	250	212	265	14	46	19	17	309
65-17	15	60	6	382	328	90	55	20	210	250	212	265	14	46	19	17	309

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LIQUID, RING VACUUM PUMPS

VSL SECTIONAL DRAWING & PARTS LIST



102	Casing
110	Housing
136	Distribution Plate
137	Valve Limiter
155	Distribution Valve
165	Inspection Valve Cover
183	Support Foot
183.1	Lantern Foot
210	Shaft
230	Impeller
231	Impeller Spacer
260	Impeller Hub
320.1	Ball Bearing N.D.S.
320.2	Ball Bearing D.S.
330	Bearing Housing
344	Lantern Bracket
360	Bearing Cover
360.6	Compensation Spring
400.1	Casing Gasket
400.11	Valve Inspection Gasket
412.2	O-ring Casing
412.10	O-ring Impeller Hub

433.1	Mechanical Seal
801	Electric Motor
861.1	Half Coupling Pump Side
861.2	Half Coupling Motor Side
861.3	Coupling Elastomer
901.1	Hex Head Screw
901.4	Hex Head Screw
901.13	Hex Head Screw
902	Socket Head Screw
902.1	Socket Head Screw
902.5	Socket Head Screw
902.6	Socket Head Screw
902.7	Socket Head Screw
902.8	Socket Head Screw
902.9	Socket Head Screw
903.3	Drain Plug
903.6	Level Control Plug
903.7	Anticavitation Plug
904	Locking Screw
906	Countersunk Screw
940.1	Impeller Key
940.2	Coupling Key

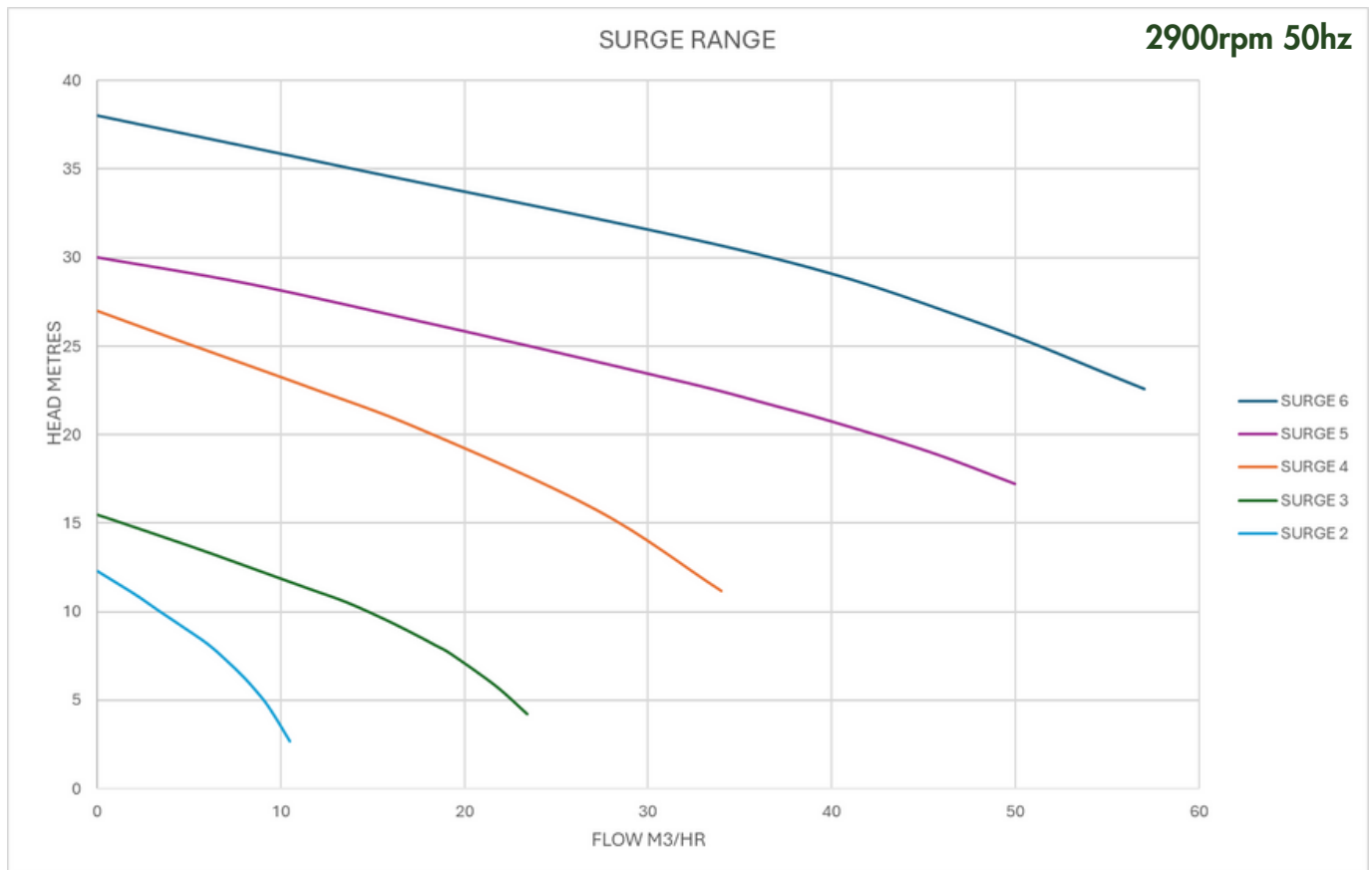
SURGE PUMP RANGE



VERTICAL, **SEAL-LESS**, THERMOPLASTIC, CENTRIFUGAL PUMPS

VS PUMP CURVES

Pump curves for the SURGE range of plastic vertical pumps



TECHNICAL SPECIFICATION

MODEL	SPEED (rpm)	RATED CAPACITY (M ³ /hr)	RATED HEAD (m)	MAX. CAPACITY (M ³ /hr)	MAX. HEAD (m)	MOTOR OUTPUT (kW)
Surge 2	2900	6	8	10	12	0.55
Surge 3	2900	14	10	23	15	1.5
Surge 4	2900	26	16	32	27	3
Surge 5	2900	36	22	50	30	5.5/7.5
Surge 6	2900	42	28	57	38	9.2