

# SEWAGE SV

submersible pump for  
sewage water



wastewater



domestic use

## Horizontal outlet

The range Vortex SV is designed for pumping of sewage with suspended solids, it is ideal for installation with guide rain.

## KEY ADVANTAGES OF A SV PUMP

### 1. INCOLMATAGE

The vortex impeller creates a vortex that leads to most solids without contact with the turbine and the fibrous materials are repelled and can not hold on to the turbine.

### 2. MINIMUM WEAR + CONSISTENT PERFORMANCE

The Vortex pump wear is very low because most of the solids pumped passes through the volute without touching the turbine. The yield remains constant over a long period.

### 3. LOW MAINTENANCE + NO ADJUSTMENT

The position of the wheel back in the volute eliminates the risk of blockage and sudden loss of performance. No adjustment is necessary and the cost of maintenance and operation are low and constant.

### USE

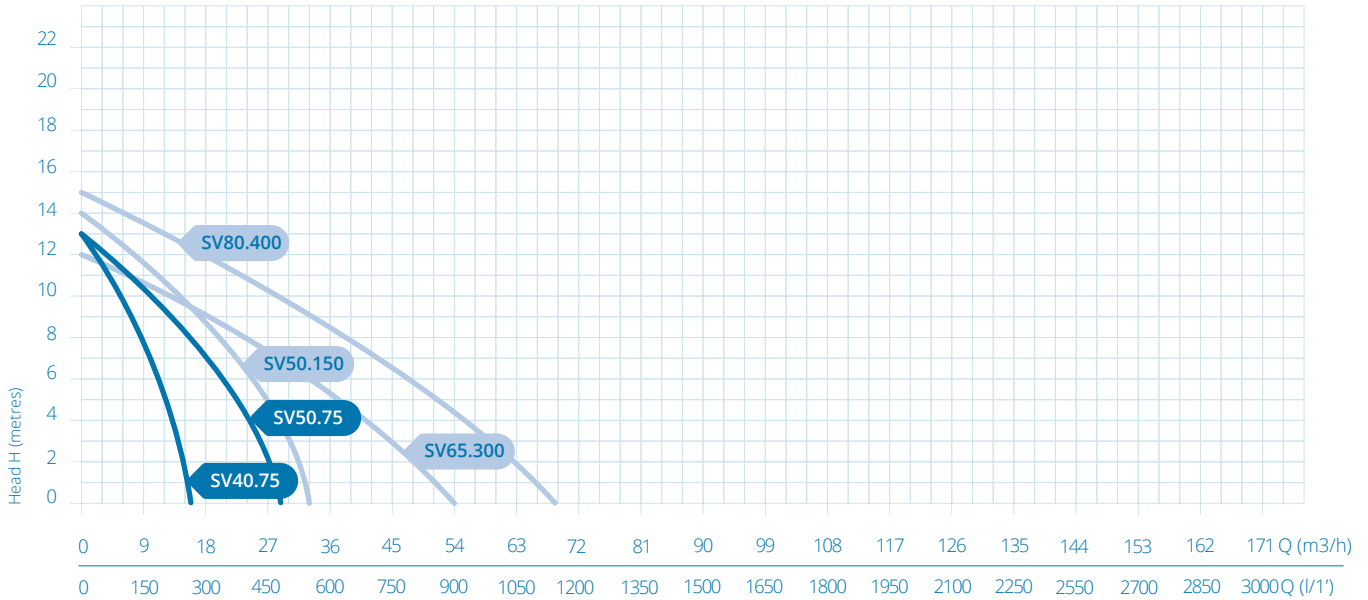
Water loaded with suspended matter. All wastewater from homes, including toilets from 65 mm to pass. Front outlet is ideal for installations with guide rail  
Immersion depth of 10 m.

### FEATURES

- Protection box in monophasic version;
- Motor casing and volute pump head and impeller in cast iron, stainless steel shaft;
- Engine oil bath class F, 10m cable;
- Double seals, lip seals and mechanical seal SIC-SIC.

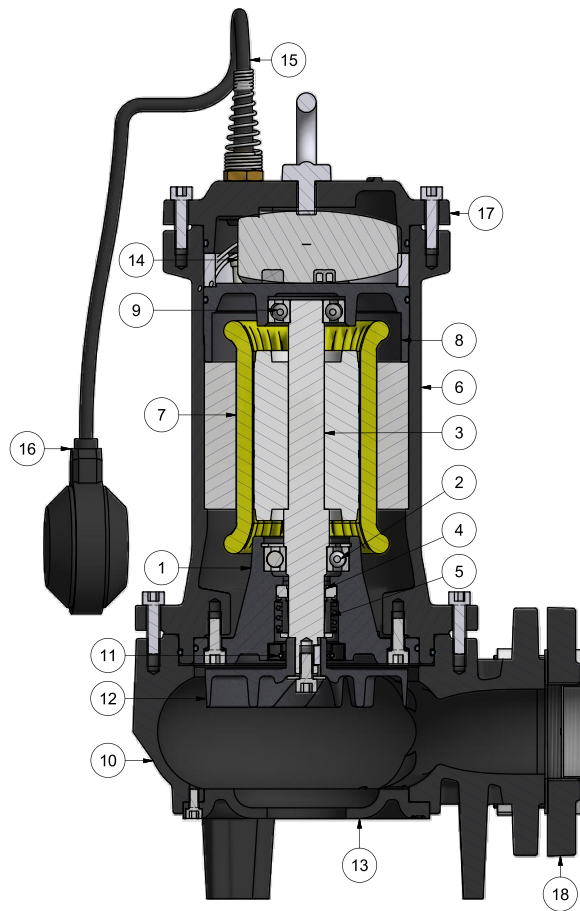
## CHARACTERISTIC CURVES AND PERFORMANCE DATA

50 Hz



TYPE	POWER kw	MOTOR			PORT DN	Q	m³/h																
		A	1~ µF	3~ A			0	6	9	12	15	18	21	24	27	30	36	48	54	66			
						l/min	0	100	150	200	250	300	350	400	450	500	600	800	900	1000			
SV 40.75	0,75	4,8	20	1,4	40		13	10	7,8	5,3	2,4												
SV 50.75		7,2	20	2,8			13	10,9	9,6	8,2	6,7	5,1	3,4	1,5									
SV 50.150	1,5	8,6	40	3	50	H - meters	14	12,9	12,1	11,1	9,8	8,4	6,7	4,8	2,8	0,5							
SV 65.300	3	-	-	4,8		65		12	11,8	11,6	11,3	10,9	10,5	10,1	9,5	8,9	8,3	6,7	2,9	0,6			
SV 80.400	4	-	-	8,8	80		15	14,7	14,4	14,2	13,9	13,5	13,1	12,7	12,2	12	11	7,9	6,3	2,6			

## COMPONENTS AND MATERIALS

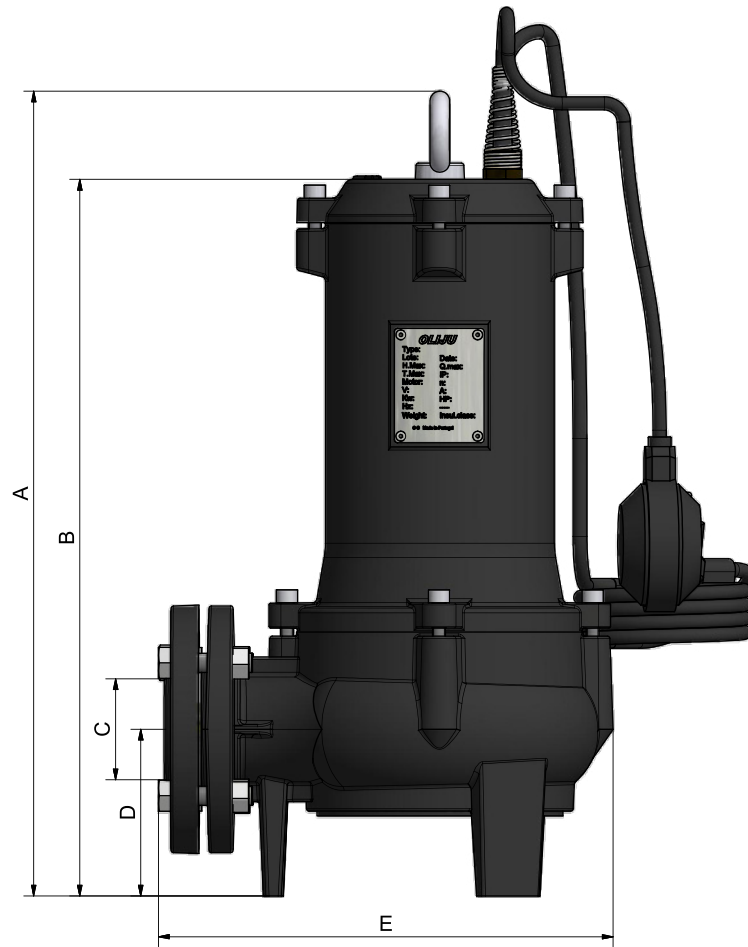


### POS. COMPONENT

### MATERIALS

POS.	COMPONENT	MATERIALS
1	Rotor Support	Cast Iron
2	Bearing	Steel
3	Rotor / Shaft	Steel and Aluminum / Stainless Steel
4	Mechanical Seal Fixe	Nitrile Rubber / Ceramics
5	Mechanical Seal Mobile	Graphite Steel
6	Motor Casing	Cast Iron
7	Stator	
8	Top Engine Support	Cast Iron
9	Bearing	Steel
10	Body Pump	Cast Iron
11	Lip Seals	Nitrile Rubber
12	Impeller	Cast Iron
13	Bottom Cover	Cast Iron
14	Condenser	
15	Power Cable	Neoprene
16	Float	Neoprene / Plastic
17	Top Cover	Cast Iron
18	Flange	Cast Iron

## DIMENSIONS AND WEIGHT



TYPE	DIMENSIONS (mm)							WEIGHT Kg
	A	B	C	D	ØE	ØF	G	
SV 40.75	443	387	203	84	11	102	1½"	22
SV 50.75	466	410	208	98	—	—	2"	23
SV 50.150	492,5	438,5	252	102	13	115	—	34
SV 65.300	536	481	310	127	18	145	2½"	45
SV 80.400	598	544	309	150,5	—	—	3"	60