IM

IM 110

Specifications and types

Suction fittings	2" m BSPP or DN 50 on request
Delivery fittings	1"1/2 m BSPP or DN 40 on request
Max. flow rate	20 m3/h
Max. head	15 m
Viscosity up to	500 cps
Standard open impeller	Ø 120 mm H 8 mm *
Solids passing	Ø max 6 mm

* Special versions are available on request for the fluid pumped



PLASTIC MATERIAL
PP



PLASTIC MATERIAL
PVDF

STANDARD ELECTRIC MOTOR:

Kw	1.1
HP	1.5
Constructive form	B5
RPM	2900
Three-phase 230/400 V	-
50/60 Hz	-
2 poles	-
Efficiency class	IE3
Protection	IP55
Ambient temperature	-30°C + 45°C
Aluminium/Cast iron	-
Single-phase (up to 3 kw)	on request
ATEX	on request

STD COLUMN LENGTH	PP WEIGHT*	PVDF WEIGHT*
500 mm	15 Kg	16 Kg
800 mm	19 Kg	20 Kg
1000 mm	22 Kg	23 Kg
1250 mm	24 Kg	25 Kg

* The weights refer to the pump without the motor
NB: Special executions only on request with column length from min. 350 mm to max. 1400 mm

OPERATING TEMPERATURES**:

PP (with glass additive)	0°C to + 70°C
PVDF (with carbon additive)	-10°C to + 100°C

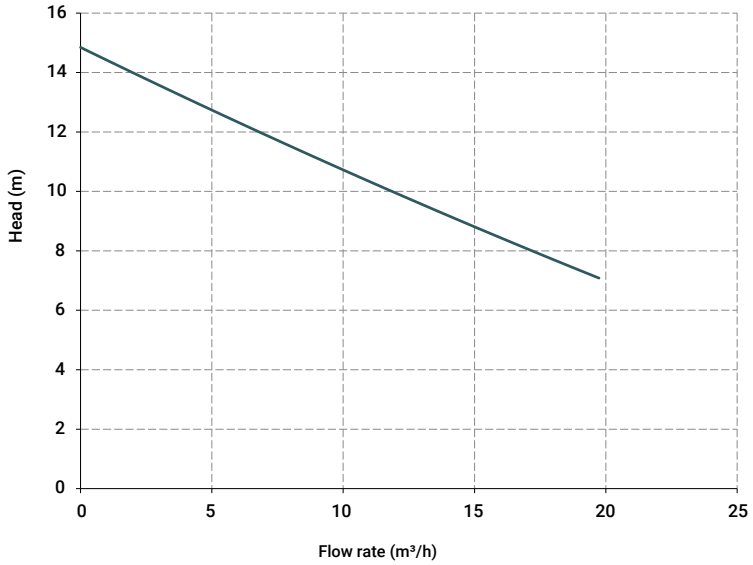
**Measurements should be taken with agitated water; temperatures may vary depending on the conditions of the system and/or the processed liquid

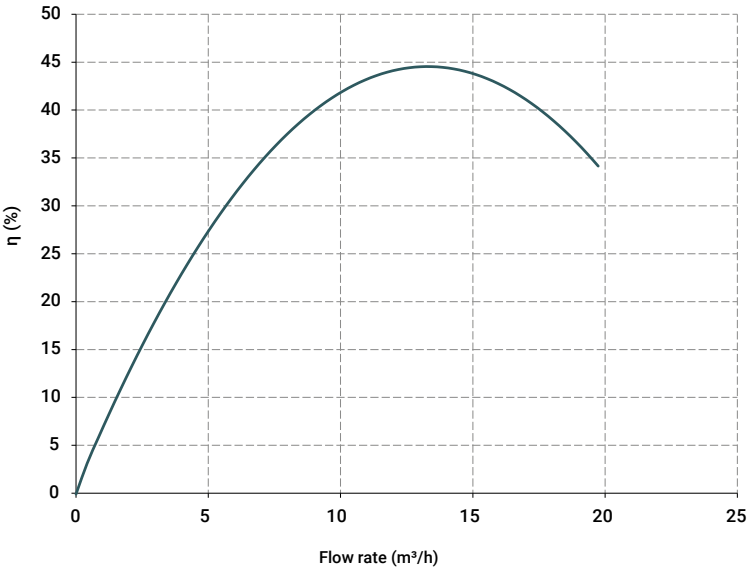
LENGTH	Tmax (PP)	Tmax (PVDF)
500 mm	70	100
800 mm	65	95
1000 mm	60	90
1250 mm	55	85

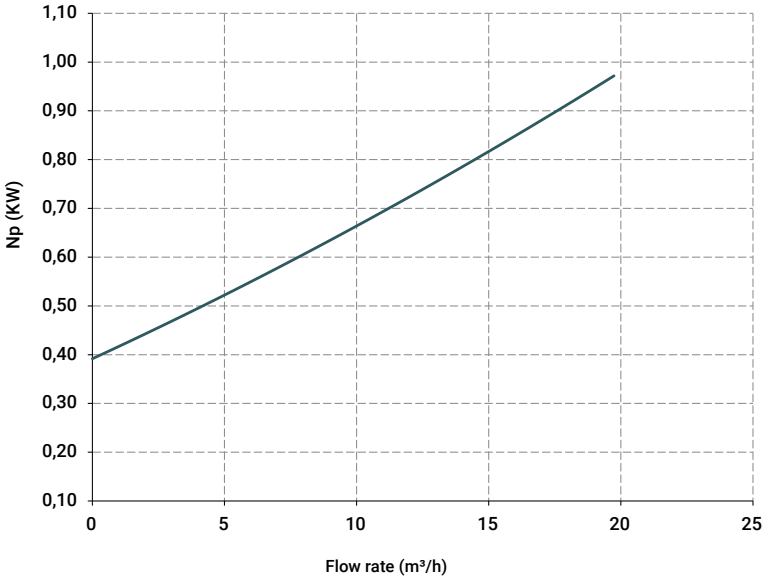
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IM 110

Specifications and types







The curves and performances refer to tested pumps, with water at 20 °C, two-pole motor 50 Hz (2900rpm).

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IM

IM 110

Specifications and types

Length measurements in mm

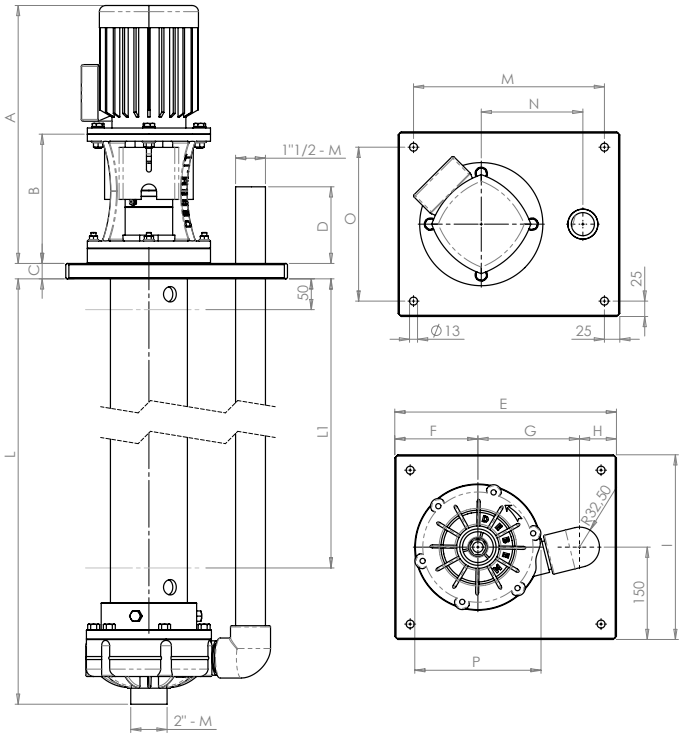
MODEL	POWER	Ø PASSING SOLIDS	SOVEM ENGINE: A-B	A*	B	C	D	E	F	G	H	I	M	N	O	P	MOTOR WEIGHT [kg]*
IM110	1,1 Kw - 1,5 HP	6	230	440	210	25	125	360	135	165	60	300	310	165	250	203	15

* Measurements may vary depending on the motor supplier.

L [mm]	L1 [mm]
500	250
800	550
1000	750
1250	1000

50 mm - Max Fluid Level

Pump	Motor Power
IM 80	0.37 Kw - 0.5 HP
IM 90	0.55 Kw - 0.75 HP
IM 95	0.75 Kw - 1 HP
IM 110	**1.1 Kw - 1.5 HP**
IM 120	1.5 Kw - 2 HP
IM 130	2.2 Kw - 3 HP
IM 140	3 Kw - 4 HP
IM 150	4 Kw - 5.5 HP
IM 155	5.5 Kw - 7.5 HP
IM 160	7.5 Kw - 10 HP
IM 180	11 Kw - 15 HP
IM 200	18.5 Kw - 25 HP



Seal o-ring materials

- EPDM
- VITON®

Packaging

- wooden cage - dimensions and weights vary depending on the length of the pump

Accessories

- FLANGE KIT (DIN standard - ANSI on request)
- PP pump protection filter* (*Filter sold separately)
- PVDF pump protection filter* (*Filter sold separately)
- Customisable fixing plate only at the design stage



TANK USE

VERTICAL CENTRIFUGAL PUMPS
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