



IMAS GROUP
REAL QUALITY MADE IN ITALY



CIRCULATION PUMP
Circulators high efficiency and Circulators for sanitary water
Circulateurs haut rendement and Circulateur eau chaude sanitaire

IM-E
IM-B CP

With over 50 years of experience on the market, IMAS company offers you highly advanced equipment, including all the essential components of a modern heating installation.

We manufacture products in the following areas:

- ◆ **pumping technology**
- ◆ **control technology**
- ◆ **drive technology**
- ◆ **mixing technology**
- ◆ **fittings**



PUMPING TECHNOLOGY

Due to the diversity of nominal diameters, body lengths and speeds our extremely versatile pumps meet special requirements of the market. The pumps have been designed to pump warm water in central heating systems, however they can be used to pump liquid media in industrial and commercial usage. The devices can also be used in solar installations.

All of our circulation pumps share a few common traits:
cutting-edge technology, high quality and other advantages.

IMAS company uses cathaphoretic coated cast iron and chromium-nickel steel, which are well-known for their extended durability and versatility. Each pump is delivered with insulation.

Essential features of the product

Mounting

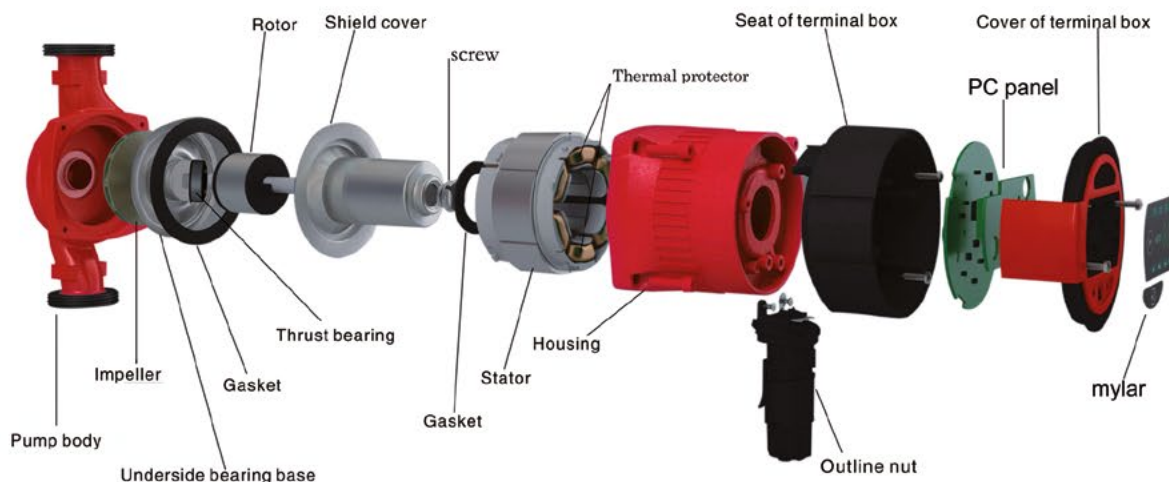
- easy mounting thanks to a handy socket
- pump body equipped with a flat gasket

Adjusting

- perfectly suited to the system needs thanks to a user-friendly control system
- useful lines (characteristics)

Operating

- silent running
- low energy consumption
- high reliability



IM-E (4-6) - inverter ErP	3
IM-B - Sanitary water	4
CP 15-1.5 brass - recirculation	5

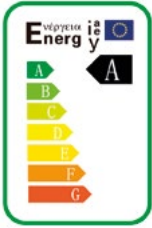
Energy-saving IMAS pumps

In an average household conventional pumps contribute to about 10-15% of total energy consumption. Using an energy-saving IMAS pump helps to reduce energy consumption up to 80%. Compared to a conventional pump, the hydraulic power is almost the same.

operating voltage	1 x 230V 50Hz
protection type	IP 42
ambient temperature	0°C - 40°C
media temperature	5°C - 110°C (d.h.w. UPH 15: up to 65°C)
temperature class	TF 110 according to CEN 335-2-51
system pressure	max. 10 bar
permissible media	heating water (according to the VDI 2035 requirements) water-glycol mixture (1:1 max.); (while using an additive of 20% or higher, you need to verify pumping data)
fittings	pipe union

Product advantages

- high efficiency thanks to the ECM technology
- energy-saving pump intended for single-family and two-family as well as multi-family houses (up to six families)
- min. power consumption is 5 W
- various control modes of the following parameters: delta of p-c (constant differential pressure) and delta of p-v (variable differential pressure)
- integrated motor protection
- a pump head can be mounted on almost any pump body of earlier series.



IM-E XX-4

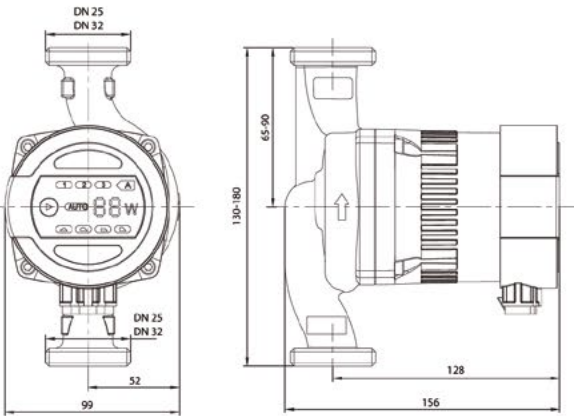
IM-E XX-6

The "One touch" option allows you to choose from seven different performance curves. Aside from four proportional pressure curves there are three constant speed control characteristics. Pumps are equipped with a night setback function, which is switched on automatically after the installation temperature drops for a particular amount of time. Moreover, it reduces power consumption. The LED display shows the current power consumption, the selected constant speed control characteristic and the night setback function status.

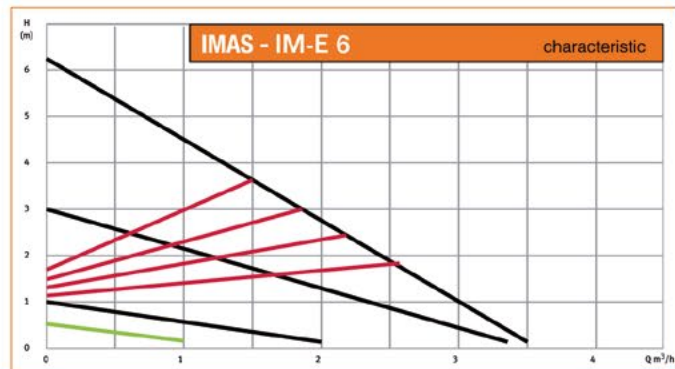
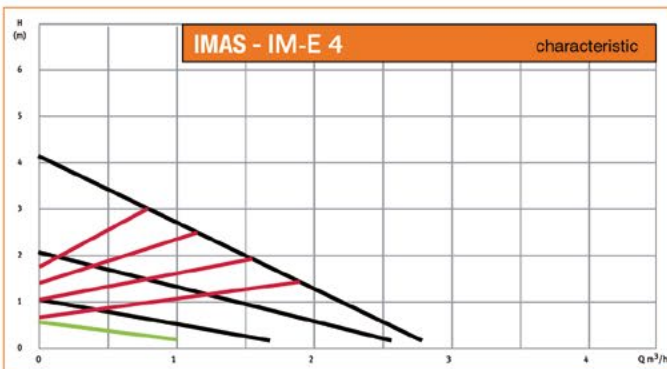
No.	Explanation
1	Electric pump automatic gearshift display (AUTO)
2	Electric pump gear shifting button
3	Electric pump proportion gear display (BLI/BL2)
4	Model
5	Electric pump constant voltage gear display (HDI/HD2)
6	Electric pump power display
7	Electric pump constant speed display (HS1/HS2/HS3)



Technical data



	IM-E 4	6
max. lifting height	4.0 m	6.0 m
max. flow	2.500 l/h	3.200 l/h
power consumption P1(W)	5-22	5-45
control function	3 constant speed control characteristics 4 proportional pressure curves	
operating voltage	1 x 230V 50Hz	
motor protection	external protection is not required	
protection type	IP 42	
ambient temperature	0°C - 40°C	
media temperature	5°C - 110°C	
temperature class	TF110 according to CEN 335-2-51	
max. operating pressure	10 bar	
connection	DN 25, DN 32	
body length	130 mm, 180 mm	
weight	about 2.46 kg	
EEl	<= 0.20	
thermal protector	included	



GRUNDFOS	WILO	DAB	SALMSON	IMAS	Power / Puissance (w)	Max flow (m ³ /h)	Max lift (m)	Inlet- Outlet (inch)	Qty / Ctn (pcs)	Net wt / Poids net (kg)	Pricelist / Prix €
Alpha L 25-4-130	Yon. Pico 25/1-4	Evosta 40-70 130	Sirixu 40-25/130	IM-E 25-4-130	(5-22)	2,50	4	1 1/2" DN 25	4	2,1	€ <u>75,51</u>
Alpha L 25-4-180	Yon. Pico 25/1-4	Evosta 40-70 180	Sirixu 40-25/180	IM-E 25-4-180				1 1/2" DN 25		2,4	€ <u>75,51</u>
Alpha L 32-4-180	Yon. Pico 30/1-4	Evo tron 40/180 X	Sirixu 40-32/180	IM-E 32-4-180				2" DN 32		2,5	€ <u>83,03</u>
Alpha L 25-6-130	Yon. Pico 25/1-6	Evosta 40-70 130	Sirixu 60-25/130	IM-E 25-6-130	(5-45)	3,20	6	1 1/2" DN 25	4	2,1	€ <u>86,84</u>
Alpha L 25-6-180	Yon. Pico 25/1-6	Evosta 40-70 180	Sirixu 60-25/180	IM-E 25-6-180				1 1/2" DN 25		2,4	€ <u>87,50</u>
Alpha L 32-6-180	Yon. Pico 30/1-6	Evo tron 60/180 X	Sirixu 60-32-180	IM-E 32-6-180				2" DN 32		2,5	€ <u>95,53</u>
Alpha L 25-8-180	Yon. Pico 25/1-8	Evo tron 80/180 X	Sirixu 80-25-180	IM-E 25-8-180	(5-70)	4,00	8	1 1/2" DN 25	4	2,4	€ <u>103,38</u>

Packaging / Emballage:



Flanges set / Kit de brides:

1 Kit = 2 boxes/boites



DN 25



1 1/2"-1"

€ 3,30

DN 32



2"-1 1/4"

€ 5,22

DN 40



2"-1 1/2"

€ 5,96

Usage for / Utilisation pour:



Protection devices / Dispositifs de protection

Thermal protector has the advantage that it has the dual protection, of current overload protection and overheating protection function. When the winding coil of the motor has current big overload the protector automatically disconnect the power supply circuit, so as to protect the safety of the motor. This protector controls motor overload, lack of phase, locked-rotor and circuit protection.



ADVANTAGES:

Thanks to the advanced technology employed, the permanent magnet synchronous motor, and the frequency converter, the new range of IM-E circulators ensures high efficiency in all applications, with significant benefits in terms of energy saving. For this reason, the new IM-E circulator not only complies with European Directive ErP 2009/125/EC (formerly EuP) (EEI ≤ 0,23). The circulator has a built-in electronic device that detects the changes demanded by the system, and automatically adapts the circulator performance accordingly, always ensuring optimum efficiency and minimum energy consumption. The IM-E circulator is also suitable for replacing old three-speed circulators, both as far as size, as it has the same dimensions of the IM series, and for its capability of covering pumps with heads of 4 and 6 metres with one single model. It can also simplify the work of the user, thanks to a single sequential setting button and a breather plug used to degas the system and unlock the motor shaft if required.

The IM-E circulator can operate in 5 different modes: **IM-E 25-4, IM 32-4, IM-E 25-6, IM-E 32-6 and IM-E 25-8.**

IM 25 - X - 180 B

The pump has been designed for drinking water circulation systems and similar systems used in industry and building technology.

This domestic water pump can be used in single-family and two-family houses.

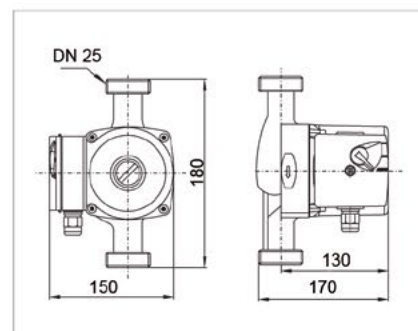
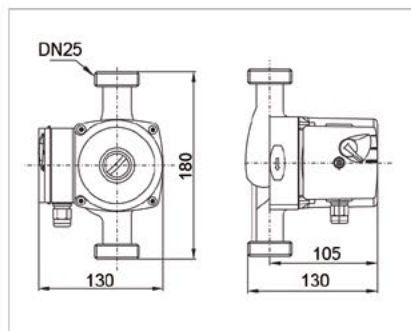
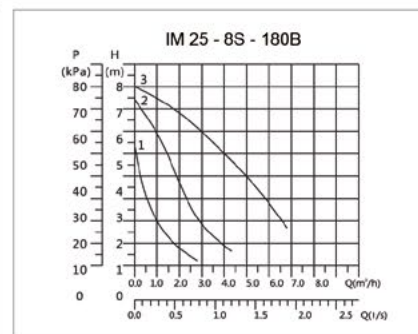
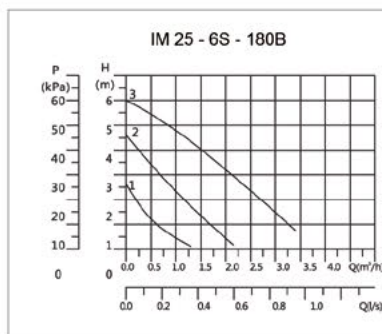
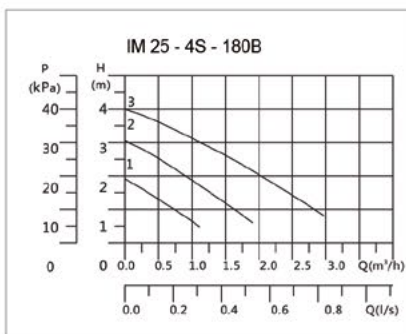
In order to prevent water from going back to the pump, it is necessary to mount the check valve on the pump delivery side.

Whereas the ball valve should be mounted on the pump suction side to make maintenance easier.

Pump with brass housing is largely used for delivering domestic hot water.



Technical data



Pump type	IM 25-4S-180B	IM 25-6S-180B	IM 25-8S-180B
Max head H (m)	4	6	8
Max flow Q (ltr/h)	2800	3000	6000
Max working pressure	10bar		
Protection IP class	42		
Voltage	230V		
Frequency	50Hz		
Liquid min. temperature	+5°C		
Liquid max. temperature	+110°C		
Pump body	BRASS		
Threaded connections size	G 1 1/2"		
Nominal width	DN25		
Nominal pressure	PN 10		
Ambient temp. (by 80°C/med. t.)	+40°C		
According standards	CE		
Number of speeds	3		
Length	180mm		
Thermal protector	included		

CP 15-1.5

The pump has been designed for drinking water circulation systems and similar systems used in industry and building technology.

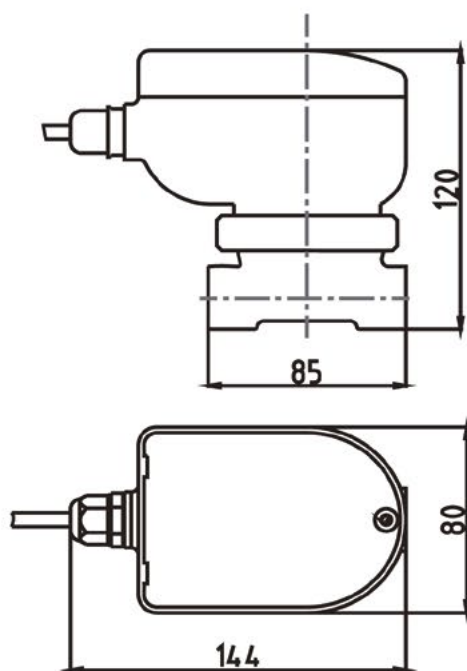
This domestic water pump can be used in single-family and two-family houses.

In order to prevent water from going back to the pump, it is necessary to mount the check valve on the pump delivery side.

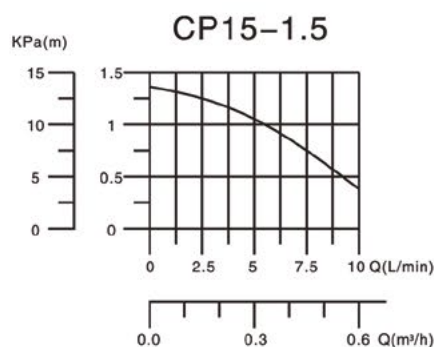
Whereas the ball valve should be mounted on the pump suction side to make maintenance easier.



Technical data



CP	15-1.5
protection type	IP 42
marking	CE
number of speeds	1
power consumption	28 W
max. lifting height	1.5 m
max. flow	600 l/h
max. operating pressure	6 bar
motor casting	aluminum
rotor shaft	ceramic
wear ring (rotor)	engineering polymer
media temperature	95°C
ambient temperature	0°C - 40°C
pump body	brass
connection	DN15



GRUNDFOS	WILO	DAB	SALMSON	H Body	IMAS	Power / Puissance (w)	Max flow (m3/h)	Max lift (m)	Inlet- Outlet (inch)	Qty/Ctn (pcs)	Net wt / Poids net (kg)	Pricelist / Prix €
SANITARY PUMP - Brass Body / POMPE SANITAIRE - Corps en laiton												
UPS 20-45	TOP Z-30	VS 65/150 M	NSB 25/20B	180	IM 25-6-180 B	55/70/100	3,0	6	1 1/2" -1" DN25	8	2,4	€ 67,30
/	/	/	/	180	IM 25-8-180 B	135/190/245	6,0	8	1 1/2" -1" DN25	4	4,8	€ 110,83
Recirculating pump - Brass Body / Pompe de recirculation - Corps en laiton												
UP 15-14 B PM	STAR Z NOVA	BWZ 152 R T	Zen'O	85	CP 15-1.5	28	0,5	1	1/2"	8	1,6	€ 50,30

Usage for / Utilisation pour:



MPS protection devices / Dispositifs de protection:

Thermal protector has the advantage that it has the dual protection, of current overload protection and overheating protection function. When the winding coil of the motor has current big overload the protector automatically disconnect the power supply circuit, so as to protect the safety of the motor. This protector controls motor overload, lack of phase, locked-rotor and circuit protection.



Brass / Laiton



Teflon



SANITARY Pump / Pompe SANITAIRE



Recirculating Pump / Pompe de recirculation

