

VSD

ELECTRONIC FREQUENCY CONVERTER

- Energy savings
- Constant output pressure with an increase of comfort for the final user
- Silent operation
- Multi purpose solution
- Inter flow sensor
- Control panel LCD display



DESCRIPTION

VSD (Variable Speed Drive) is a static frequency converter that controls the speed of an electric pump to maintain constant pressure even when water demand changes.

This regulation is possible through a pressure sensor and a flow sensor connected to the inverter.

Versions:

VSD Easy controls a single-phase or three-phase pump, it is easy to install and set, it is only necessary to select the pressure set-point. The supply VOLT. of the device is single-phase 230V.

VSD controls a three-phase pump and it is able to communicate with another hydraulic device thanks to the installation of a communication cable. The supply VOLT. can be single phase 230V or three-phase 400V depending on the model.

APPLICATIONS

- To start and stop single-phase surface or submersed pumps.

MECHANICAL DATA

Dry run protection	Yes	Temperature of the liquid max.	40 °C
Operating pressure max.	16 bar		

ELECTRICAL DATA

Type of enclosure	IP 55	Frequency	50/60 Hz
Ambient temperature max.	50 °C		

VSD

Type	Code No.	Voltage	Pump voltage	Motor protection	Weight
VSD EASY 9 M/M	ZB902490	1/N/PE~230 V	1/N/PE~230 V	9 A	2.5 kg
VSD EASY 6 M/T	ZB902500	1/N/PE~230 V	3/N/PE~230 V	6 A	2.5 kg
VSD EASY 10 M/T	ZB902510	1/N/PE~230 V	3/N/PE~230 V	10 A	2.5 kg
VSD 6 M/T	ZB902520	1/N/PE~230 V	3/N/PE~230 V	6 A	2.7 kg
VSD 10 M/T	ZB902530	1/N/PE~230 V	3/N/PE~230 V	10 A	2.7 kg
VSD 9 T/T	ZB902540	3/N/PE~400 V	3/N/PE~400 V	9 A	4.3 kg
VSD 14 T/T	ZB902550	3/N/PE~400 V	3/N/PE~400 V	14 A	6.1 kg

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Fig. 1

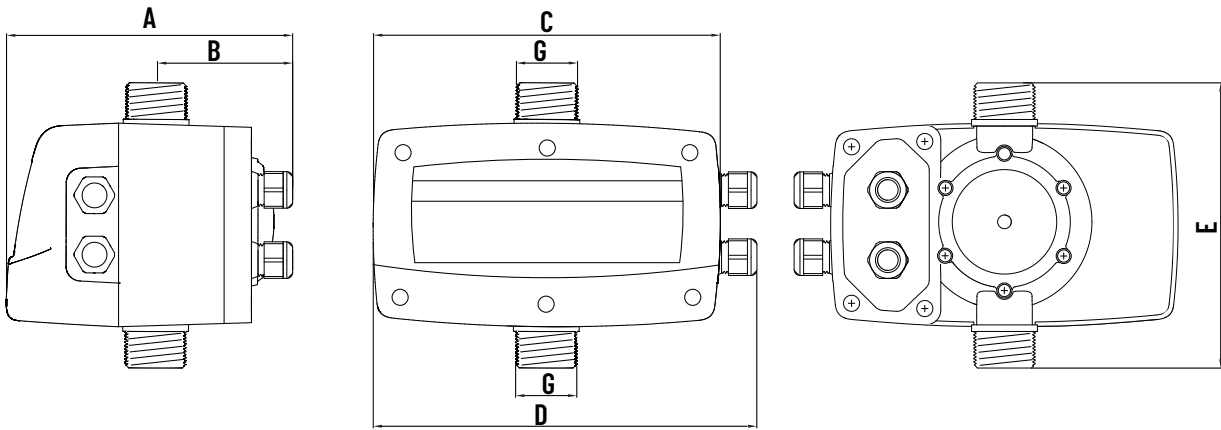
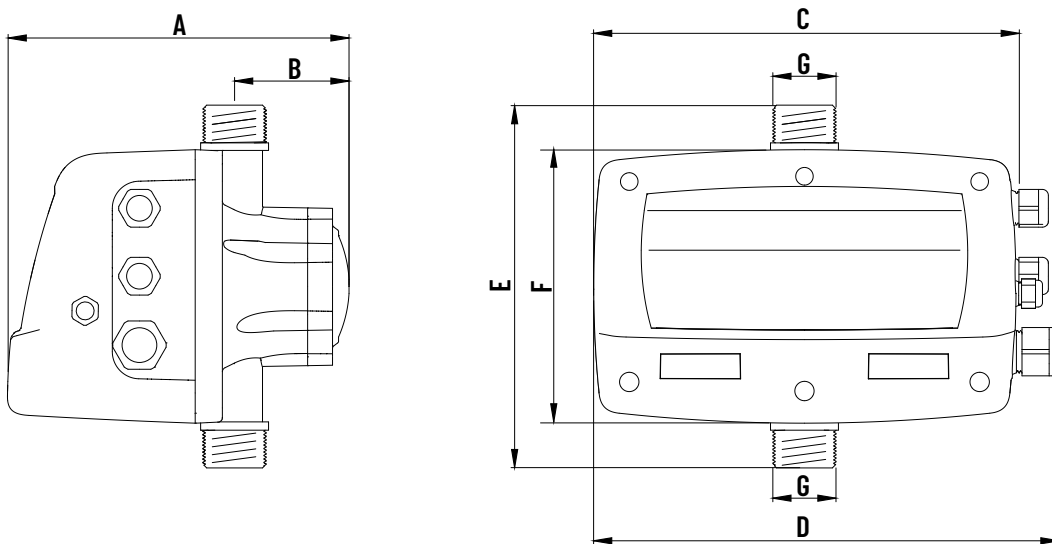


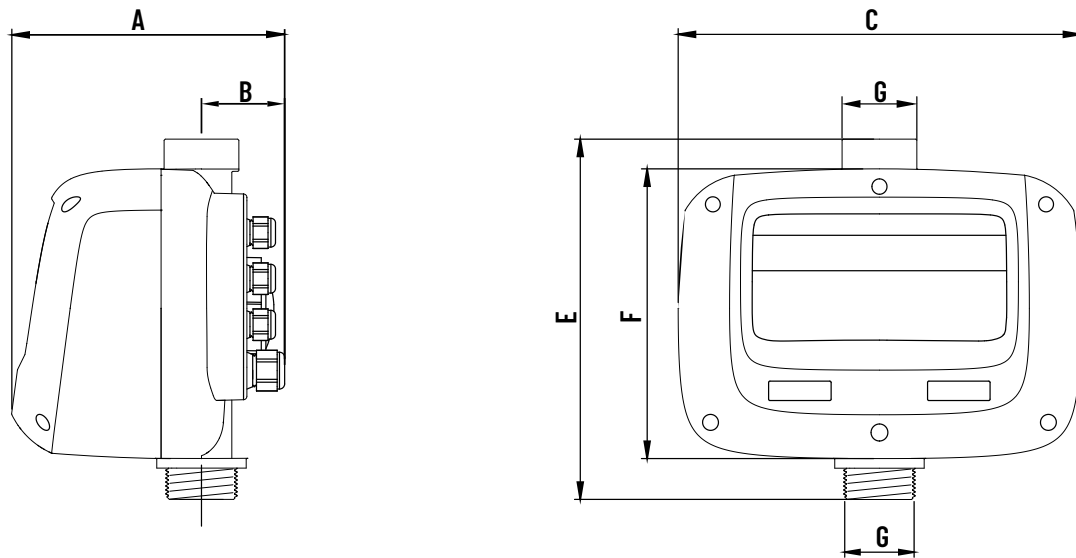
Fig. 2



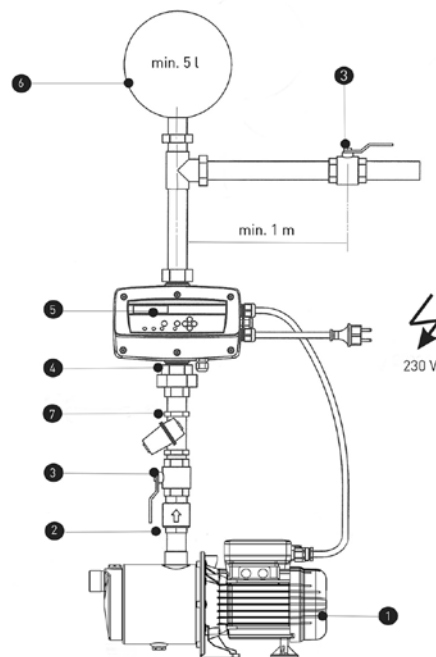
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Fig. 3



Installation



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DIMENSIONS [mm]

Type	Fig.	A	B	C	D	F	E	D
VSD EASY 9 M/M	1	196	93	237	262		196	1 1/4"
VSD EASY 6 M/T	1	196	93	237	262		196	1 1/4"
VSD EASY 10 M/T	1	196	93	237	262		196	1 1/4"
VSD 6 M/T	1	196	93	237	262		196	1 1/4"
VSD 10 M/T	1	196	93	237	262		196	1 1/4"
VSD 9 T/T	2	226	76	280	310	181	240	1 1/4"
VSD 14 T/T	3	238	72	350		252	313	2"