VSD Controllers

E1 VSD CONTROLLER

INDEPENDENT COOLING
Integrated Fan for self cooling

IP55 (NE MA 4)
Structure in aluminium

DIAGNOSTICS
Control panel for pressure regulation and alarm signalling

CABLE GLANDS
2xM20 for power connections
3xM12 for signal/auxiliary contacts

E1 is the ideal solution for the production of booster sets with a maximum of 2 pumps connected in COMBO (parallel).

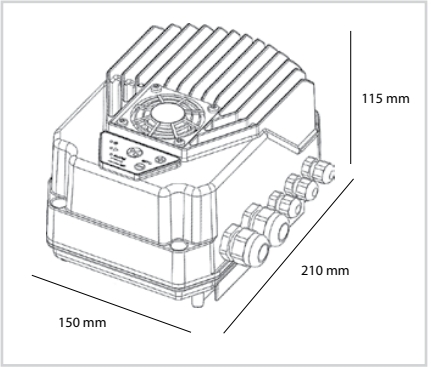
To turn On/Off, the booster simply switch on one of the two inverters.

The two E1 both with pressure sensor and connected together will automatically enter into the Master/Slave configuration and further settings are not required. E1 will distribute the work on the basis of the real working time of each pump, ensuring the same load on both pumps.

In case of failure of an inverter and/or the pump connected to it the second inverter automatically takes over to ensure the water supply.

Frequency ..... 48-62 Hz
Max ambient temperature ..... 40°C (104°F)
Max humidity ..... 50% a 40°C (without condensation)
Max altitude 1000m
PWM configurable ..... 2.5; 8 KHz
Complies with the electromagnetic conformity directive

V in (±15%)	V out	I line max	I out max	P2	Kg
1~230V	3~230V	11A	7.5A	2.5HP	2.5



PUMP CONTROLLERS
VSD Controllers

E SERIES

E109-385 VSD CONTROLLER

Is a frequency changer (Inverter); specifically studied for the control and protection of electric pumps.

Connected to any electric pumps regulates the motor speed in order to manage the pumps performance in relation to the operating conditions and requests of the system. Consists in compact electronic units equipped with microprocessor contained in an aluminium structure that grants compactness, cooling ease, lightness and versatility.

ADVANTAGES OF THE USE OF E SERIES VSD WITH ANY PUMP:

- Energy saving
- Simple Installation
- Overload protection
- Dry running protection
- Noise reduction
- Soft Start & Stop
- Protection of a second pump, without Inverter, from dry running and overload
- Installation options: directly on the motor cover of the pump or wall installation.

PRESSURE TRANSDUCER

TECHNICAL DATA

TYPE	Output signal	Input signal	Working pressure	Maximum pressure
SPD	4..20 mA	9.. 28V	0-25 bar	32 bar