

Speedbox

Wall-mounted pump driver for a single pump with frequency converter

Designed for the automation of single-phase and 3-phase pumps managed by inverter. General electrical supply is ~1x230 or ~3x400 Vac -depending on model. It can be mounted individually or in groups of 2 pumps communicated and operating in mode MASTER-SLAVE with alternated sequence of operation.



1006 MT
1010 MT
1106 MM
1112 MM
1305 TT
1309 TT



OPERATING CHARACTERISTICS

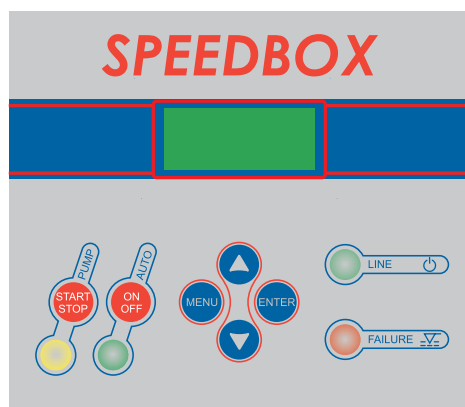
- Frequency inverter for the pump control.
- **ART** function (Automatic Reset Test). If the device has been stopped due to the action of the safety system against dry operation, the **ART** tries to connect the pump, with a programmed periodicity because the water supply could have been restored.
- Automatic restore system after an interruption of power supply. System restores the previous mode keeping the configuration parameters.
- Output 4..20 mA for an external pressure transducer.
- External pressure transducer 0-10 bar or 0-16 bar (under request).
- Control and information panel with LCD screen.
- Cooling by natural or forced convection depending on the model.
- Aluminium heat exchanger.
- Register of operational controls. Information about: operating hours, counter of starts, counter of connections to the power supply.
- Register of alarms. Information about type and number of alarms since the starting up of the device.
- Electronic input for detection of minimum water level in aspiration tank - optional. This system is independent of the electronic safety system against dry operation.
- EMC certified residential class C1 or C2.

TECHNICAL CHARACTERISTICS

- Power supply voltage
- Frequency
- Output voltage
- Max. current
- Max. peak of current
- Range of set pressure
- Protection degree
- Max. environment temperature
- Cooling system.
- Net weight (without cables)

1006	1010	1106	1112	1305	1309
~1x230 Vac	~1x230 Vac	~1x230 Vac	~1x230 Vac	~3x400 Vac	~3x400 Vac
50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz
~3x230 Vac	~3x230 Vac	~1x230 Vac	~1x230 Vac	~3x400 Vac	~3x400 Vac
6 A	10 A	6 A	12 A	5 A	9 A
20% 10"	20% 10"	20% 10"	20% 10"	20% 10"	20% 10"
0,5÷16 bar	0,5÷16 bar	0,5÷16 bar	0,5÷16 bar	0,5÷16 bar	0,5÷16 bar
IP54	IP54	IP54	IP54	IP54	IP54
50°C	50°C	50°C	50°C	50°C	50°C
Natural Convection	Forced Convection	Natural Convection	Forced Convection	Natural Convection	Forced Convection
4 kg	4.5 kg	3 kg	3.5 kg	4,5 kg	4,5 kg
i/o: ~1/~3		i/o: ~1/~1		i/o: ~3/~3	

CONTROL PANEL

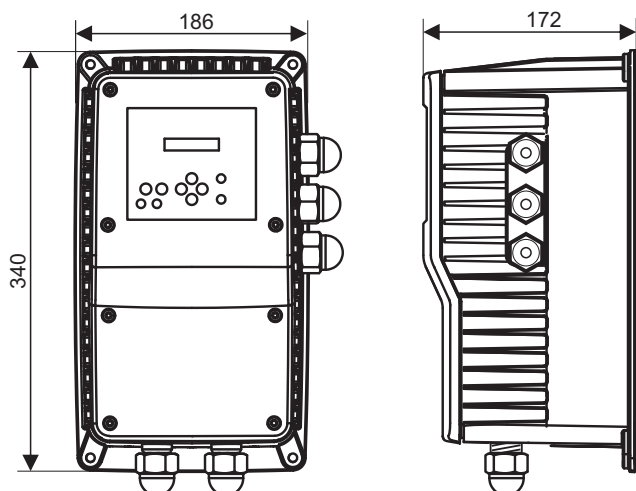


Control panel includes:
LCD screen, warning led lights, push-buttons START-STOP, AUTOMATIC and configuration system.

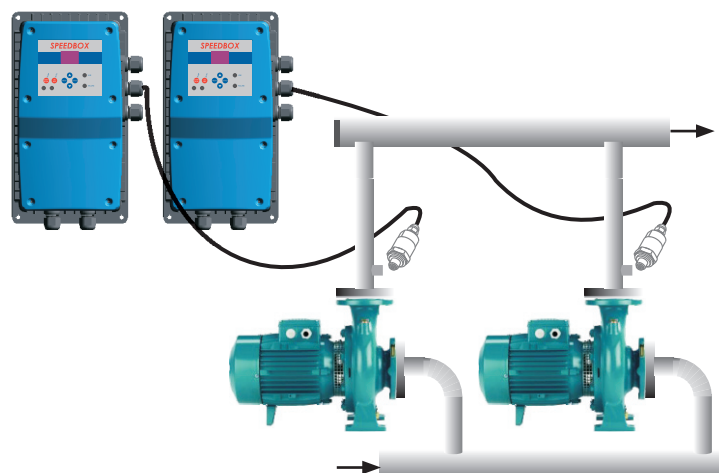
SAFETY SYSTEMS AND PROTECTIONS

- Control and safety system against over-intensities.
- Electronic control and safety system against dry operation.
- Control and safety system against wrong supply voltage.
- Control and safety system against short-circuit between output phases.

DIMENSIONS



Coelbo Pump drivers



SPEEDBOX_V2_EN