

# Speedbox Duo

Wall-mounted pump driver for the control of two pumps both with variable speed.

Single-phase or 3-phase pumps managed by two INVERTERS. General electrical supply is single-phase 230V. The device makes work in cascade and in alternance both pumps. Each pump is controlled by an inverter.



## Duo

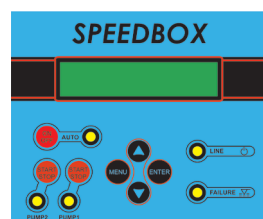
### OPERATING CHARACTERISTICS

- Two frequency inverters controlled by a single control for the management of two electropumps.
- 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.
- Electronic input for detection of minimum water level in aspiration tank- optional-. This system is independent of the safety system against dry-running operation.
- Volt-free contact for monitoring the alarms displayed in screen originated by irregularities or problems of the system. This option is only on one-phase devices.
- STC function (Smart Temperature Control): when temperature of electronic circuit is over 85 °C reduce automatically the frequency of the pump and decrease the generation of heat but keeping the flow of water.
- Input 4-20 mA for external pressure transducer.
- Control and information panel with LCD screen.
- External pressure transducer 0-10 bar or 0-16 bar (under request).
- Inner current sensor with instantaneous digital reading.
- 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.
- Open PID in the expert menu.

## TECHNICAL CHARACTERISTICS

	Duo
Power supply voltage	~1 x 230 Vac
Frequency	50/60 Hz
Max current pump 1	10A (~3 x 230 Vac) o 12A (~1 x 230 Vac)
Max current pump 2	10A (~3 x 230 Vac) o 12A (~1 x 230 Vac)
Max peak current	20% 10"
Range of set pressure	0,5 ÷ 16 bar
Protection degree	IP65
Input transducer	4-20 mA
Max environment temperature	50 °C
Net weight (without cables)	4,8 kg
Cooling system	Forced Convection
	i/o: ~1/~3

## CONTROL PANEL



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

## SAFETY SYSTEMS

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

## DIMENSIONS

