

Speedpool

Wall-mounted or on-board variable speed drive for single-phase or three-phase swimming pool pumps.

Single-phase power supply frequency inverter to safeguard and control the start and stop of a single-phase or 3-phase pumps through an integrated weekly programmer. Equipped with an inverter, it allows the configuration of various motor speeds for different stages of manual or automatic operation (backwash, rinse, and filtration). It also includes energy-saving counters, operational data monitoring, and alarm logs. Mounting options include wall mounting or on-board installation with the pump.



On-board

Wall mounted

OPERATING CHARACTERISTICS

- Frequency inverter for the management of single-phase or three-phase swimming pool pumps.
- Various operating modes: filtration, backwash, and rinse.
- Option for filtration with two types of schedules, daily and customized. The daily schedule repeats the same sequence of programmed operations daily. With the customized schedule, operations for different days of the week can be programmed. Up to 4 daily cycles with different speeds can be programmed.
- Configurable volt-free input as NC or NO, enabling the activation of a programmable fixed speed.
- Two backwash modes available (continuous or pulsating) with programmable time and speed.
- Display of energy savings when using inverter technology.
- **Automatic restore system** after an interruption of power supply. This system restores the previous mode keeping the configuration parameters.
- Volt-free contact for monitoring the alarms displayed in screen originated by irregularities or problems of the system. Optional accessory.
- Inner current and power sensor with instantaneous digital reading.
- **Register of operational parameters.** Information about: operating hours, counter of starts, counter of connections to the power supply.
- **Register of alarms.** Information about type and number of alarms.
- Automatic power supply voltage detection. The device detects autonomously if it is connected to a 110V or 230V electric power supply network.

TECHNICAL CHARACTERISTICS

	SPEEDPOOL WALL-MOUNTED	SPEEDPOOL ON-BOARD
Power supply voltage	~1x110-230 Vac	~1x110-230 Vac
Frequency	50/60 Hz	50/60 Hz
Max current	12 A (~1x110-230 Vac) 10 A (~3x230 Vac)	12 A (~1x110-230 Vac) 10 A (~3x230 Vac)
Max peak current	20% 10"	20% 10"
Speed working range	20Hz (40%) - 50/60Hz (100%)	20Hz (40%) - 50/60Hz (100%)
Protection degree	IP65	IP55 (or maximum of engine)
Max environment temperature	50 °C	50 °C
Net weight (without cables)	4,5 kg	2,1 kg
Cooling system	Forced convection	Forced convection by the fan of the motor
	i/o: ~1/~1 i/o: ~1/~3	i/o: ~1/~1 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 protection system for pumps against overcurrent.
- Protection system against dry-run operation of pumps due to lack of water.
- Anomalous power supply voltage.
- Short circuit between output phases of the system.

DIMENSIONS

