

SIRIO



INVERTER FOR ELECTRIC PUMP CONTROL

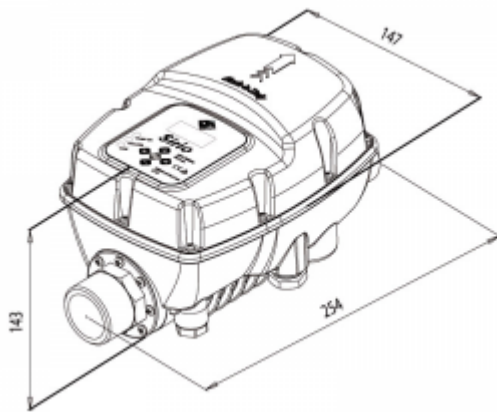
- Electronic device for the electric pumps control based on **inverter technology**.
- It controls the starting and stopping of the electric pump and modulates the motor rotations according to the water request from the system.
- **Constant pressure** due to motor pump speed regulation.
- **Energy saving** due to less pump absorption.
- Gradual pump start and stop reduces hammering and avoids breakaway starting current.
- **Protection against dry running** in event of water shortage on the suction.
- **Automatic reset** in event of dry running, with autonomous error condition recovery.
- Efficient **leakage monitoring** to protect pump in event of repeated restarts.
- Digital pressure display.
- Motor **over current control**.
- Operation/error status signalling via LEDs and on-screen alerts.
- Operation in master/slave configuration into twin booster sets.
- Double set point with remote control option.
- Remote start and stop of electric pump.
- Rotation direction inversion via software (it does not require wiring alterations).

APPLICATIONS: Electronic flow and pressure devices, Variable speed drivers for constant pressure control, Dry running protection

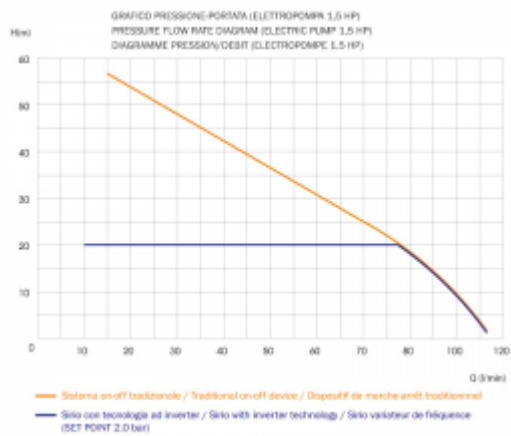
TECHNICAL DATA

Power mains supply:	single-phase 230Vac $\pm 10\%$ - 50/60Hz
Motor power output:	three-phase 220V~
Max motor power:	2200W ? 3Hp
Max line absorption:	16A @ 230V~
Max allowable pressure:	800 KPa (8 bar)
Max fluid temperature:	35°C
Pressure drop:	0,1 bar at 150 l/min
Set-point adjustment range:	1,5÷7 bar
Start pressure adjustment range:	1÷6,7 bar
Hydraulic connection:	male-male 1" ¼
Frequency modulation range:	25÷50 Hz
Protection degree:	IP X5

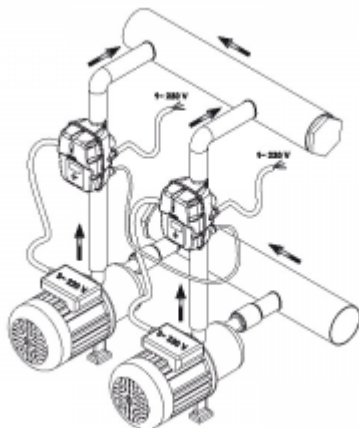
DRAWINGS



Dimensions



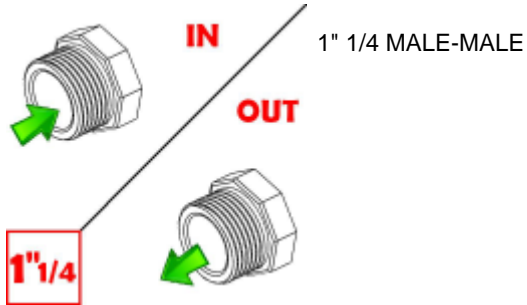
Pressure-Flow Rate Diagram



Twin booster set installation

ATTACH

1" 1/4 M-M



OPTIONAL

Frequency modulation range 30÷60 Hz

30÷60 Hz

Frequency modulation range 30÷60 Hz

Cable for connection in twin booster sets



Cable for connection in twin booster sets 4x0.5mm² 100 cm (SR-CBL4X05-100)

AUXILIARY I/O BOARD SIRIO 2.0



The auxiliary I/O board enables connection of Sirio 2.0 to other external equipment via a digital input and a relay output. In this way, the auxiliary connector already present on Sirio 2.0 remains free for other functions (e.g. twin connection of two inverters).

PROTECTION MODULE



The module is designed to provide protection against undesired voltage values to the equipment connected to the output.



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