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05/08/2011

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 confi guration 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).
- Extractable terminals to facilitate wiring.

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

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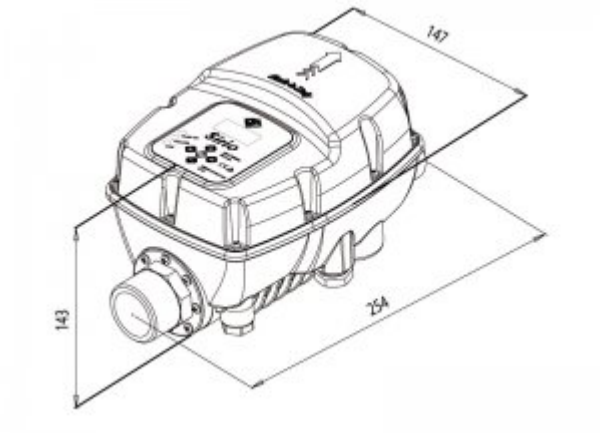
TECHNICAL DATA

Power mains supply:	single-phase	230Vac ±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:		50°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

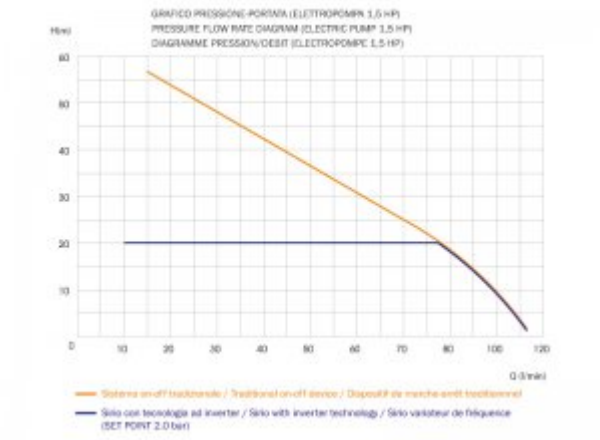
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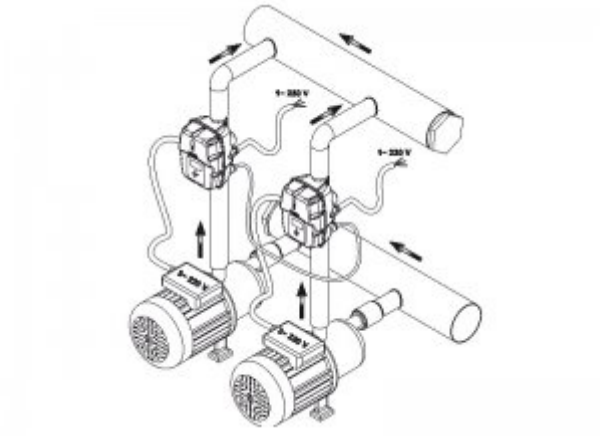
DRAWINGS



Dimensions



Pressure-Flow Rate Diagram



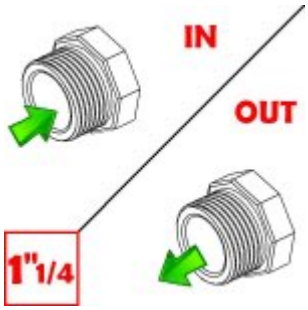
Twin booster set installation

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ATTACH

1" 1/4 M-M



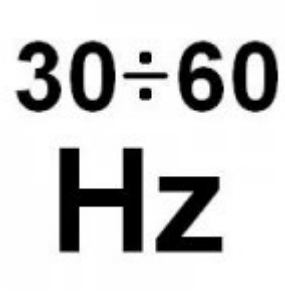
1" 1/4 MALE-MALE

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OPTIONAL

Frequency modulation range 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)

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