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WHISPER PUMPS

Tel: 01777 871100

Speedmatic MASTER 1305 - 1309

Driver for a single three-phase pump, it can be communicated to other identical devices managing a maximum of 4 pumps.

Three-phase pump managed by INVERTER. General electrical supply is 400 Vac. It can be mounted individually (only one pump) or in groups of 2, 3 or 4 pumps communicated and operating in mode MASTER-SLAVE with alternated sequence of operation. The communication of 2 devices is direct – using cables. The communication of 3 or 4 units is carried out by mean of the communication center SPEEDCENTER – with cables.

1305 MASTER
1309 MASTER

OPERATING CHARACTERISTICS

- Pump managed by frequency converter (inverter).
- Possibility of being mounted in group next to other identical devices - up to 4 - operating in mode MASTER-SLAVE. The group will be formed by a main device configured like MASTER and the rest of devices configured like SLAVES.
- The operating system is alternated, the device configured as MASTER is the responsible of the control but it does not imply that it is first in starting up when there is flow demand in the network.
- **ART system (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 group, 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 state keeping the configuration parameters.
- Volt-free contact for monitoring the alarms displayed in screen originated by irregularities or problems of the system.
- Electronic input for detection of minimum water level in aspiration tank - optional. This system is independent of the safety against dry-operation.
- Inner pressure transducer with digital indicator. / · Inner flow sensor.
- Inner current sensor with instantaneous digital reading.
- Control and information panel with LCD display.
- Register of operational controls. Infomation about: operated 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.

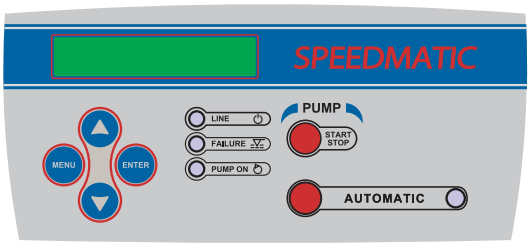
SAFETY SYSTEMS AND PROTECTIONS

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

TECHNICAL CHARACTERISTICS

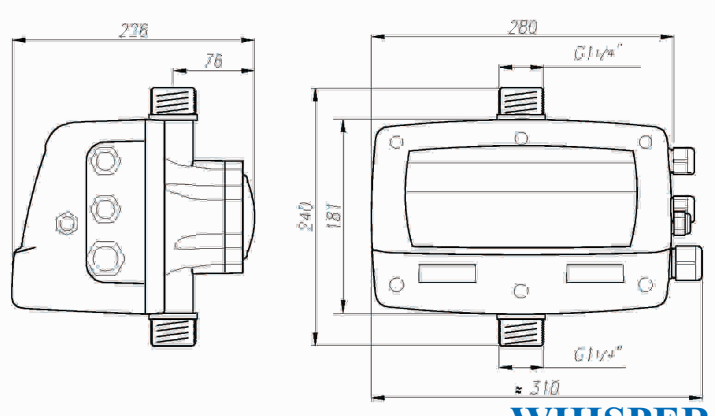
	1305	1309
· Power supply voltage	~ 3 x 400 Vac	~ 3 x 400 Vac
· Frequency	50/60 Hz	50/60 Hz
· Max. current per phase	5A(~3 x 400 Vac)	9A(~3 x 400 Vac)
· Max. operating pressure	16 bar	16 bar
· Range of set pressure	0.5 ÷ 12 bar	0.5 ÷ 12 bar
· Protection index	IP 55	IP 55
· Max. water temperature	40 °C	40 °C
· Max. environment temperature	50 °C	50 °C
· Max. flow	15.000 l/h	15.000 l/h
· Net weight (without cables)	3.5 kg	3.5 kg
· Inlet thread	G1 1/4" Macho	G1 1/4" Macho
· Outlet thread	G1 1/4" Macho	G1 1/4" Macho

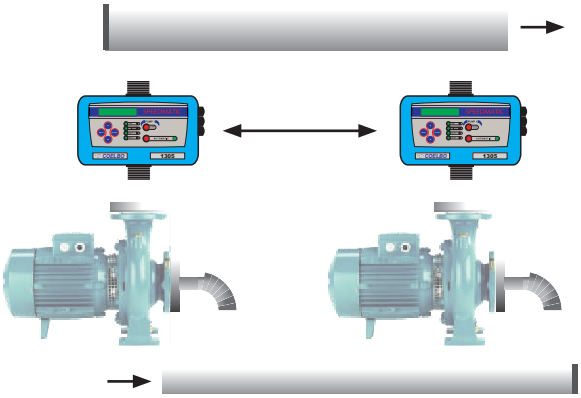
CONTROL PANEL CHARACTERISTICS



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

DIMENSIONS





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