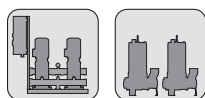


QML/A 2 D Control panel for 2 pumps with single-phase motor, direct starting



Code	Type	Motor 230V - 1~	Protector	Dimensions
		kW	max A	HxBxP mm
14054750000	QML/A 2 D 12A-FA	0,25 - 1,5	1 - 12	310x235x125
24054750000	QML/A 2 D 12A-FA 20	0,25 - 1,5	1 - 12	310x235x125
24054750001	QML/A 2 D 12A-FA 25	0,25 - 1,5	1 - 12	310x235x125
24054750002	QML/A 2 D 12A-FA 30-85	0,25 - 1,5	1 - 12	395x315x135
24054750003	QML/A 2 D 12A-FA 35-85	0,25 - 1,5	1 - 12	395x315x135
	QML/A 2 D 3 FT	2,2 - 3	13 - 18	500x350x160

Control panel for 2 pumps with single-phase motor, direct starting for pressure booster sets and submersible drainage pumps.

Arranged for the capacitor internal connection (for pumps without built-in capacitor).

For pressure booster sets:

- with working time-measuring system that stops the pump in case of lack of air cushion in the pressure vessel.
- dry-running protection with float switch or level control probes.

For submersible drainage pumps:

- pump changing at every pump start.
- working pumps changing after 30 minutes of uninterrupted operation.
- automatic operating test of each individual pump every set hours of inactivity (with pumps in the automatic functioning mode).

- Pump control with signals coming from:

- **3 float switches:** for starting-up and stopping pump 1, for starting-up and stopping pump 2, for the alarms (maximum level is optional).
- **4 float switches:** for starting-up pump 1, for starting up pump 2, for stopping the pumps and for the alarms (maximum level is optional).

Pump operation controlled by an electronic board type MPS 3000 with microprocessor which allows different modes of operation of the pump.

Technical data

- Mains single-phase 230V $\pm 10\%$ 50/60 Hz (other voltages on request).
- Ambient temperature from -5 °C to +40 °C.
- Protection IP 55.

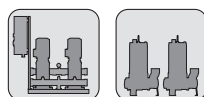
Components

- Thermoplastic case.- Door lock master switch.
- Fuses for power line. - Fuses for auxiliary circuit.
- Starting relay.
- Two capacitor (on request)
- Electronic board type MPS 3000 with microprocessor.
- Terminals for pressure trasducer / level probes.
- Connection terminals for thermal protector.
- Connection terminals for the RA 100 - RA 100A type.
- Terminals for pressure switch connection.
- Terminals for float switch or float switch connection against dry-running.
- Terminals for remote signals
- Cable glands.

ON REQUEST:

- Volt free contact control panel Q-MSP 13M.
- RA 100 - RA 100A control panel for remote alarm.

QTL/A 2 D Control panel for 2 pumps with three-phase motor, direct starting



Code	Type	Motor 400V 3~	Setting	Dimensions
		kW	max A	HxBxP mm
14054760000	QTL/A 2 D 12A-FA	0,25 - 5,5	1 - 12	310x235x125

Construction

Control panel for 2 pumps with three-phase motor, direct starting for pressure booster sets and submersible drainage pumps.

For pressure booster sets:

- with working time-measuring system that stops the pump in case of lack of air cushion in the pressure vessel.
- dry-running protection with float switch or level control probes.

For submersible drainage pumps:

- pump changing at every pump start.
- working pumps changing after 30 minutes of uninterrupted operation.
- automatic operating test of each individual pump every set hours of inactivity (with pumps in the automatic functioning mode).

- Pump control with signals coming from:

- **3 float switches:** for starting-up and stopping pump 1, for starting-up and stopping pump 2, for the alarms (maximum level is optional).
- **4 float switches:** for starting-up pump 1, for starting up pump 2, for stopping the pumps and for the alarms (maximum level is optional).

Pump operation controlled by an electronic board type MPS 3000 with microprocessor which allows different modes of operation of the pump.

Technical data

- Mains 400V 3 ~ $\pm 10\%$ 50/60 Hz (other voltages on request).
- Ambient temperature from -5 °C to +40 °C.
- Protection IP 55.

Components

- Thermoplastic case.
- Door lock master switch.
- Fuses for power line. - Fuses for auxiliary circuit.
- Electronic board type MPS 3000 with microprocessor.
- Terminals for pressure trasducer / level probes.
- Connection terminals for thermal protector.
- Connection terminals for the RA 100 - RA 100A type.
- Terminals for pressure switch connection.
- Terminals for float switch or flow switch connection against dry-running.
- Terminals for remote signals
- Cable glands.

ON REQUEST:

- Volt free contact control panel Q-MSP 13M.
- RA 100 - RA 100A control panel for remote alarm.