

Control panels



QTL/A 2 ST FT Control panel for 2 pumps with three-phase motor, Y/Δ starting



Code	Type	Motor Power kW	400V - 3~	Dimensions HxBxP mm
			Current A	
14054770000	QTL/A 2 ST 5,5 FT	5,5	11 - 15	700x500x200
14054780000	QTL/A 2 ST 7,5 FT	7,5	12 - 17	700x500x200
14054790000	QTL/A 2 ST 11 FT	9,2 - 11	16 - 24	700x500x200
14054800000	QTL/A 2 ST 15 FT	15	23 - 31	700x500x200
14054810000	QTL/A 2 ST 18,5 FT	18,5	30 - 39	700x500x200
14054820000	QTL/A 2 ST 22 FT	22	35 - 43	900x600x250
14054830000	QTL/A 2 ST 30B FT	30	42 - 55	900x600x250
14054840000	QTL/A 2 ST 30A FT	30	55 - 65	900x600x250
14054850000	QTL/A 2 ST 37 FT	37	61 - 84	1100x700x250
14054860000	QTL/A 2 ST 45 FT	45	80 - 105	1100x700x250

Construction

Control panel for 2 pumps with three-phase motor, Y/Δ starting, for pressure booster sets, with working time-measuring system that stops the pump in case of lack of air cushion in the pressure vessel. Pump operation cascade mode controlled by an electronic board type MPS 3000 with microprocessor which allows different operation modes: Dry-running protection with float switch or level control probes.

Technical data

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

Components

- Metal case. - Door lock master switch.
- Fuses for power line. - Fuses for auxiliary circuit.
- Starting contactors. - Thermal relay. - Y/Δ timers. - Transformer.
- 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.
- Voltmeter. - Ammeter.

QTL/A 2 ST FT-RH Electric control panel for 2 drainage pumps with three-phase motor, Y/Δ starting



Code	Type	Motor Power kW	400V - 3~	Dimensions HxBxP mm
			Current A	
14054870000	QTL/A 2 ST 4 FT-RH	4	7 - 11	700x500x200
14054880000	QTL/A 2 ST 5,5 FT-RH	5,5	11 - 15	700x500x200
14054890000	QTL/A 2 ST 7,5 FT-RH	7,5	12 - 17	700x500x200
14054900000	QTL/A 2 ST 11 FT-RH	9,2 - 11	16 - 24	700x500x200
14054910000	QTL/A 2 ST 15 FT-RH	15	23 - 31	700x500x200
14054920000	QTL/A 2 ST 18,5 FT-RH	18,5	30 - 39	700x500x200
14054930000	QTL/A 2 ST 22 FT-RH	22	35 - 43	900x600x250
14054940000	QTL/A 2 ST 30B FT-RH	30	42 - 55	900x600x250
14054950000	QTL/A 2 ST 30A FT-RH	30	55 - 65	900x600x250
14054960000	QTL/A 2 ST 37 FT-RH	37	61 - 84	1100x700x250
14054970000	QTL/A 2 ST 45 FT-RH	45	80 - 105	1100x700x250
14054980000	QTL/A 2 ST 55 FT-RH	55	100 - 125	1200x800x300
14054990000	QTL/A 2 ST 75 FT-RH	75	120 - 150	1200x800x300
14055000000	QTL/A 2 ST 92 FT-RH	92	155 - 255	1400x800x400

Construction

Control panel with protection for 2 submersible drainage pumps with three-phase motor, Y/Δ starting. Operation managed by the MPS 3000 electronic circuit board that has the following functions:

- 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).

Technical data

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

Components

- Metal case. - Door lock master switch.
- Power line fuses. - Auxiliary circuit fuses. - Contactors.
- Y/Δ timers. - Level regulator.
- Electronic board type MPS 3000 with microprocessor.
- Terminals for pressure trasducer / level probes.
- Connection terminals for float switches.
- Connection terminals for thermal protectors.
- Connection terminals for water seepages probe.
- Connection terminals for the RA 100, RA 100A type remote alarm control panel or volt free contact module.
- Cable glands.

ON REQUEST:

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