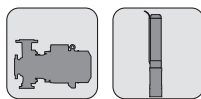


# Control panels



## QTL 1 D FTE Control panel for 1 pump with three-phase motor, direct starting



Code	Type	Motor 400V - 3~ kW	Setting A	Dimensions HxBxP mm
14029820000	QTL 1 D 4 FTE	4	6,3 - 10	400x300x160
	QTL 1 D 5,5 FTE	5,5	9 - 12	400x300x160
	QTL 1 D 7,5 FTE	7,5	13 - 18	400x300x160
14050250000	QTL 1 D 9,2 FTE	9,2	17 - 23	400x300x160
14037630000	QTL 1 D 11 FTE	11	20 - 25	400x300x160
	QTL 1 D 15 FTE	15	24 - 32	500x350x200
	QTL 1 D 18,5 FTE	18,5	32 - 38	500x350x200
	QTL 1 D 22 FTE	22	35 - 50	500x350x200
	QTL 1 D 30 FTE	30	46 - 65	500x350x200

### Construction

Electromechanical control panel for 1 pump with three-phase motor, direct starting.

Operating signals by E 1000 led card.

Dry-running protection with float switch.

Construction with SRLE level control for probes connection against dry-running on request .

### Components

- Metal case. - Door lock master switch.
- Power circuit fuses. - Fuses for auxiliary circuit.
- Starting contactor. - Thermal relay
- Transformer. - E 1000 led card.
- Terminals for connection pump operating signal.
- Terminals for float switch connection against dry-running.
- Cable glands.

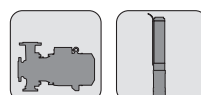
### Technical data

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

### ON REQUEST:

- RLE level control for probes against dry running
- RLE level control for pump operating probes.
- Voltmeter. - Ammeter.

## QTL/A 1 ST FT Control panel for 1 pump with three-phase motor, Y/Δ starting



Code	Type	Motor Power kW	400V - 3~ Current A	Dimensions HxBxP mm
14054510000	QTL/A 1 ST 5,5 FT	5,5	11 - 15	600x400x200
14054520000	QTL/A 1 ST 7,5 FT	7,5	12 - 17	600x400x200
14054530000	QTL/A 1 ST 11 FT	9,2 - 11	16 - 24	600x400x200
14054540000	QTL/A 1 ST 15 FT	15	23 - 31	600x400x200
14054550000	QTL/A 1 ST 18,5 FT	18,5	30 - 39	600x400x200
14054560000	QTL/A 1 ST 22 FT	22	35 - 43	700x500x200
14054570000	QTL/A 1 ST 30B FT	30	42 - 55	700x500x200
14054580000	QTL/A 1 ST 30A FT	30	55 - 65	700x500x200
14054590000	QTL/A 1 ST 37 FT	37	61 - 84	800x600x250
14054600000	QTL/A 1 ST 45 FT	45	80 - 105	800x600x250

### Construction

Control panel for 1 pump 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 controlled by an electronic card type MPS 3000 with microprocessor with different pump operating modes.

Dry-running protection with float switch or level control probes.

### Components

- Metal case. - Door lock master switch.
- Fuses for power line. - Fuses for auxiliary circuit.
- Starting contactors. - Thermal relay. - Transformer.
- Electronic board 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 motor connection.
- Terminals for connection pressure switch of pump operating.
- Terminals for float switch connection against dry-running.
- Terminals for remote signals
- Cable glands.

### ON REQUEST:

- RA 100 - RA 100A control panel for remote alarm.
- Voltmeter. - Ammeter.

### Technical data

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