

# CONTROL BOXES

## QEM - CONTROL BOXES FOR 4" SINGLE-PH. BOREHOLE PUMPS



MODEL	CODE	MOTOR POWER (P <sub>2</sub> )		CAPACITOR	RATED CURRENT A
		kW	HP	CAPACITANCE	
<b>QEM 050</b>	530ECN05A1	0.37	<b>0.50</b>	20 µF	5
<b>QEM 075</b>	530ECN07A1	0.55	<b>0.75</b>	25 µF	6
<b>QEM 100</b>	530ECN10A1	0.75	<b>1</b>	35 µF	7
<b>QEM 150</b>	530EC15A1	1.1	<b>1.5</b>	40 µF	11
<b>QEM 200</b>	530ECN20A1	1.5	<b>2</b>	60 µF	13
<b>QEM 300</b>	530EC30A1	2.2	<b>3</b>	75 µF	18

- **Single-phase 230 V 50 Hz**

## QET - CONTROL BOXES FOR 4" AND 6" THREE-PH. BOREHOLE PUMPS



MODEL	CODE	MOTOR POWER (P <sub>2</sub> )		RATED CURRENT
		kW	HP	A
<b>QET 050</b>	530TNF05A	0.37	<b>0.50</b>	1.7
<b>QET 075</b>	530TNF07A	0.55	<b>0.75</b>	2
<b>QET 100</b>	530TNF10A	0.75	<b>1</b>	2.5
<b>QET 150</b>	530TNF15A	1.1	<b>1.5</b>	3.9
<b>QET 200</b>	530TNF20A	1.5	<b>2</b>	4.8
<b>QET 300</b>	530TNF30A	2.2	<b>3</b>	7
<b>QET 400</b>	530TNF40A	3	<b>4</b>	9
<b>QET 550</b>	530TNF55A	4	<b>5.5</b>	11.5
<b>QET 750</b>	530TNF75A	5.5	<b>7.5</b>	15.5
<b>QET 1000</b>	530AD100A	7.5	<b>10</b>	21.5
<b>QET 1250</b>	530AD125A	9.2	<b>12.5</b>	23.5
<b>QET 1500</b>	530AD150A	11	<b>15</b>	27.5
<b>QET 2000</b>	530AD200A	15	<b>20</b>	36
<b>QET 2500</b>	530AD250A	18.5	<b>25</b>	45
<b>QET 3000</b>	530AD300A	22	<b>30</b>	54
<b>QET 4000</b>	530AD400A	30	<b>40</b>	68

- The control box is fitted with a selector for manual or automatic operation with the possibility of attaching a float (or a pressure valve, etc.).
- **Three-phase 400 V 50 Hz**

## QSM - CONTROL BOXES FOR 4" SINGLE-PH. PUMPS WITH LEVEL PROBES



Level probes

MODEL	CODE	MOTOR POWER (P <sub>2</sub> )		CAPACITOR	RATED CURRENT
		kW	HP	CAPACITANCE	A
<b>Single-phase</b>					
<b>QSM 050</b>	530MFLCN05A1	0.37	<b>0.50</b>	20 µF	5
<b>QSM 075</b>	530MFLCN07A1	0.55	<b>0.75</b>	25 µF	6
<b>QSM 100</b>	530MFLCN10A1	0.75	<b>1</b>	35 µF	7
<b>QSM 150</b>	530MFLC15A1	1.1	<b>1.5</b>	40 µF	11
<b>QSM 200</b>	530MFLCN20A1	1.5	<b>2</b>	60 µF	13
<b>QSM 300</b>	530MFLC30A1	2.2	<b>3</b>	75 µF	18

- The control box is fitted with a selector for manual or automatic operation with the possibility of attaching a float (or a pressure valve, etc.) and fluid level probes which protect the pump from operating when dry.
- **Single-phase 230 V 50 Hz**

## QST - CONTROL BOXES FOR 4" AND 6" THREE-PH. PUMPS WITH LEVEL PROBES



Level probes

MODEL	CODE	MOTOR POWER (P <sub>2</sub> )		RATED CURRENT
		kW	HP	A
<b>Three-phase</b>				
<b>QST 50</b>	530TFLC05A	0.37	<b>0.50</b>	1.7
<b>QST 75</b>	530TFLC07A	0.55	<b>0.75</b>	2
<b>QST 100</b>	530TFLC10A	0.75	<b>1</b>	2.5
<b>QST 150</b>	530TFLC15A	1.1	<b>1.5</b>	3.9
<b>QST 200</b>	530TFLC20A	1.5	<b>2</b>	4.8
<b>QST 300</b>	530TFLC30A	2.2	<b>3</b>	7
<b>QST 400</b>	530TFLC40A	3	<b>4</b>	9
<b>QST 550</b>	530TFLC55A	4	<b>5.5</b>	11.5
<b>QST 750</b>	530TFLC75A	5.5	<b>7.5</b>	15.5
<b>QST 1000</b>	530ADL100A	7.5	<b>10</b>	21.5
<b>QST 1250</b>	530ADL125A	9.2	<b>12.5</b>	23.5
<b>QST 1500</b>	530ADL150A	11	<b>15</b>	27.5
<b>QST 2000</b>	530ADL200A	15	<b>20</b>	36
<b>QST 2500</b>	530ADL250A	18.5	<b>25</b>	45
<b>QST 3000</b>	530ADL300A	22	<b>30</b>	54
<b>QST 4000</b>	530ADL400A	30	<b>40</b>	68

- The control box is fitted with a selector for manual or automatic operation with the possibility of attaching a float (or a pressure valve, etc.) and fluid level probes which protect the pump from operating when dry.
- **Three-phase 400 V 50 Hz**

# CONTROL BOXES

## EVOLUTION - CONTROL BOXES FOR 4" AND 6" BOREHOLE PUMPS



MODEL	CODE	VOLTAGE	RATED CURRENT A
EVOLUTION-MONO	532DOM003M	Single-phase 230 V 50 Hz	from 2 to 18
EVOLUTION-TRI/1	532DOM075T	Three-phase 400 V 50 Hz	from 2 to 16
EVOLUTION-TRI/2	532DOM100T	Three-phase 400 V 50 Hz	from 16 to 22

- The control box contains an electronic card which makes it possible to regulate the threshold at which the protection against power overloads and short circuits intervenes; the electronic card also controls the value of  $\cos \varphi$  in order to prevent dry operating of the pump without the help of fluid level probes.
- The control box may be connected to a float switch (or a pressure switch, etc.).

## QES - CONTROL BOXES FOR SINGLE-PHASE DRAINAGE PUMPS



MODEL	CODE	MOTOR POWER (P <sub>2</sub> )		CAPACITOR	RATED CURRENT A
		kW	HP	CAPACITANCE	
Single-phase					
QES 300 MONO	52VX300A1	2.2	3	60 μF	16
QES 300 MONO-AL (*)	52VX300A1AL	2.2	3	60 μF	16

- The control box is pre-set for connection with the thermal protector inserted in the winding of the drainage pumps VXCm30, VXCm30-F, MCm30, MCm30-F.
- **Single-phase 230 V 50 Hz**

(\*) QES 300 MONO-AL, control box with contacts for connection to an auxiliary float switch for level alarm

## QES - CONTROL BOXES FOR THREE-PHASE DRAINAGE PUMPS



MODEL	CODE	MOTOR POWER (P <sub>2</sub> )		RATED CURRENT
		kW	HP	A
Three-phase				
QES 150	532QES150A	1.1	1.5	4.2
QES 200	532QES200A	1.5	2	5.2
QES 300	532QES300A	2.2	3	6.5
QES 400	532QES400A	3	4	8

- The control box is fitted with a selector for manual or automatic operation with the possibility of attaching a float, and with the thermal protector inserted in the winding of the drainage pumps VXC, VXC-F, MC, MC-F
- **Three-phase 380 ÷ 415V 50 Hz**

## QED 1 - ELECTRONIC CONTROL BOX FOR ONE DRAINAGE PUMP



MODEL	CODE	VOLTAGE	RATED CURRENT A
QED 1-MONO	533QED01M	Single-phase 230 V 50 Hz	from 2 to 18
QED 1-TRI	533QED01T	Three-phase 400 V 50 Hz	from 2 to 9

- The control box contains an electronic card which makes it possible to regulate the value of the current at which the protection intervenes against power overloads and short circuits.
- The control box is pre-set for connection with the thermal protector inserted in the winding of the drainage pumps VXC, VXC-F, MC, MC-F and of three floats (operation, stop and alarm level).

## QED 2 - ELECTRONIC CONTROL BOX FOR TWO DRAINAGE PUMPS



MODEL	CODE	VOLTAGE	RATED CURRENT A
QED 2-MONO	533QED02M	Single-phase 230 V 50 Hz	from 2 to 18
QED 2-TRI	533QED02T	Three-phase 400 V 50 Hz	from 2 to 9

- The control box contains an electronic card which makes it possible to regulate the value of the current at which the protection intervenes against power overloads and short circuits.
- The control box is pre-set for connection with the thermal protector inserted in the winding of the drainage pumps VXC, VXC-F, MC, MC-F of four floats (successive operation of the first pump, operation of the second pump, stop and alarm level).