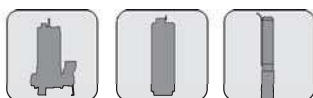


## M COMP Control panel for 1 single-phase submersible pump



LVB



Code	Type	Protector max A	Capacitor 450Vc	Motor 230V - 1~ kW	Dimensions HxBxP mm
4402000000	M COMP 4-16	4,5	16 µF	0,37	220x210x110
44020001000	M COMP 4-20	4,5	20 µF	0,55	220x210x110
44020010000	M COMP 5-20	5	20 µF	0,55	220x210x110
44020011000	M COMP 5-25	5	25 µF	0,55	220x210x110
44020021000	M COMP 6-20	6	20 µF	0,75	220x210x110
44020023000	M COMP 6-35	6	35 µF	0,9	220x210x110
44020031000	M COMP 7-25	7	25 µF	0,9	220x210x110
44020032000	M COMP 7-30	7	30 µF	0,9	220x210x110
44020040000	M COMP 8-25	8	25 µF	1,1	220x210x110
44020041000	M COMP 8-30	8	30 µF	1,1	220x210x110
44020052000	M COMP 10-35	10	35 µF	1,1	220x210x110
44020053000	M COMP 10-40	10	40 µF	1,1	220x210x110
44020060000	M COMP 12-35	12	35 µF	1,5	220x210x110
44020062000	M COMP 12-50	12	50 µF	1,5	220x210x110
	M COMP 12-60	12	60 µF	1,5	220x210x110
44020081000	M COMP 16-70	16	70 µF	2,2	220x210x110

### Construction

Control panel with ON-OFF switch and capacitor for 1 submersible pump with single-phase motor.  
Suitable for use with LVB board for level control.  
Protection is provided by means of a main bi-polar switch with a phase protected against overload by means of a thermal element.

### Technical data

- Mains single-phase 230V ±10% 50/60 Hz (other voltages on request).
- Ambient temperature from -5 °C to +40 °C.
- Protection IP 44.
- Control through pressure switch (pressure booster set).
- Control through float switch (for filling a tank).

### Components

- Enclosure in thermoplastic material.
- ON-OFF switch with pilot lamp with thermal protector.
- Capacitor.
- Terminal board.
- Terminals for LVB board for level control.
- In/Out cable glands.
- Power relay (for M COMP 18 only)

### On request:

- LVB card for level control.

## PFC-M Power Factor Control Control panel for 1 submersible pump with single-phase motor, PF control



Type	Setting A	Capacitor 450Vc	Motor 50/60Hz 220V-240V - 1~ kW	Dimensions HxBxP mm
PFC-M 18-16	1 - 18	16 µF	0,37	220x210x110
PFC-M 18-20	1 - 18	20 µF	0,55	220x210x110
PFC-M 18-25	1 - 18	25 µF	0,55	220x210x110
PFC-M 18-30	1 - 18	30 µF	0,75	220x210x110
PFC-M 18-35	1 - 18	35 µF	0,75	220x210x110
PFC-M 18-40	1 - 18	40 µF	1,1	220x210x110
PFC-M 18-50	1 - 18	50 µF	1,5	220x210x110
PFC-M 18-60	1 - 18	60 µF	1,5	220x210x110
PFC-M 18-70	1 - 18	70 µF	2,2	220x210x110

### Construction

Control panel for controlling one submersible pump with single-phase motor. Electronic control of the operation and dry-running protection through the power factor (PF) control.  
The installation of level probes into the well is not required.  
It stops the pump in case of lack of air cushion in the pressure vessel (patented system).  
Displayed operating data and alarms available in four languages.

### Technical data

- Mains single-phase 220-240V, 50/60 Hz.
- Max output current: 18 A.
- Ambient temperature from -5 °C to +40 °C.
- Relative humidity: from 20% to 90% without condensation
- Protection IP 55.
- Control through pressure switch (pressure booster set).
- Control through float switch (for filling a tank).
- Alarm output signal.
- Constructed in accordance with: IEC/EN 60439-1.

### Setting

- Min – Max voltage range.
- Motor rated current.
- Power factor (PF) value for dry-running protection.
- Up to four programmable restarts in case of no water condition.

### Alarms (with pump stop)

- Mains failure.
- Undervoltage and overvoltage.
- Motor overload.
- No water.
- No air cushion in the pressure vessel.

### Components

- Enclosure in thermoplastic material.
- Capacitor.
- Terminal board.
- Display : 2x16 characters.
- 6 button key board.
- In/Out Cable glands.

**On request:** - RA 100 control panel for remote alarm.