The CONTROLMATIC is a compact device for the automatic control and protection of electric pumps. This patented system, includes special electronic sensors of flow and pressure integrated in the electronic circuit, which controls the correct working of the electric pump and keeps the pressure and the flow constant. Moreover, it has a safety system against pump dry working. The CONTROLMATIC replaces the traditional expansion tank, pressostat, retention valve and level switches, with the advantage of smaller dimensions and the elimination of periodical maintenance. It works starting automatically the electrical pump when any point of the installation is opened and it closes the pump –after 10 seconds of temporization- at closing the using point.
ADVANTAGES
- No maintenance.
- Installation time saving.
- Protection against water hammer effect.
- Compact and reduced dimensions.
- Removal of protecting devices (level switches).
- Avoids the pump oversizing using integrally their flow-pressure curve.
- Integrated protection system which stops the pump in case of lack of water.

CONSTRUCTIVE FEATURES
Body: Non-toxic thermoplastic with fibre-glass  
Membrane: Special natural rubber  
Spring: Steel DIN17223 C/84.  
Joints: Special synthetic rubber  
Sensor-valve: Technical high resistance thermoplastic.  
Magnets: Alnico inserted and hermetic with ultrasound welding.  
Electronic circuit: FR4 with protective casing and Terminal strip in plastic material V0 auto-extinguishing.

PRESSURE LOSS

TECHNICAL FEATURES
Starting pressure:: Model F12: 1,2 bar  
Model F15: 1,5 bar  
Model F22: 2,2 bar  
Model R: from 1,5 to 2,5 bar  
Maximum pressure: 10 bar  
Connecting threads: R1"  
Operating Temperature: 0-60ºC  
I.P. protection degree: IP 65  
Nominal voltage: 1~220-240V  
Frequency: 50/60 Hz.  
Max. intensity: 16(8)A – 1,5kW (2HP)  
Maximum flow: 10m³/hour (see attached graphic)  
Nett weight: 1,15 Kg (model FM)

OPTIONS

MODEL | M | R | E | C | U |
------|---|---|---|---|---|
F*   |   |   |   |   |   |
FM   | X |   |   |   |   |
FMC  | X |   |   |   |   |
FME  | X |   | X |   |   |
R    |   | X |   |   |   |
RM   | X | X |   |   |   |
RMC  | X | X | X |   |   |
RME  | X | X | X | X |   |
\_/U | X |   |   |   |   |

* 12, 15 or 22 according to the pump starting pressure.

Example of codification model with adjusting starting pressure and pressure gauge (M) CONTROLMATIC RM

SERIAL EQUIPMENT
- Yellow Led POWER.
- Green Led ON.
- Red Led FAILURE.
- Tactile push button for manual start.
- Electronic circuit group with protection cover easily replaceable.
- Reserve against leaks in the installation.
- For other options like pressure gauge, connecting cables, adjusting starting pressure, etc, look at OPTIONS.

DIMENSIONS mm

INSTALLATION MODELS

The manufacturer can modify the device by technical or commercial reasons without any notice.