

# COMPACT 22

AUTOMATIC DEVICE FOR ELECTRIC PUMPS INTEGRAL CONTROL

 **COELBO**



## ART (Automatic Reset Test)

COMPACT 22 is a compact device for the automatic control and protection of electric pumps, which patented system includes special electronic sensors of flow and pressure, integrates in an electronic circuit that guides the electric pump operation and keeps pressure and flow accordingly. Moreover, it has a safety system to avoid the dry operation of the pump. The COMPACT 22 substitutes the traditional system of hydrosphere, pressostat, retention valve and level switches, with the advantage of smaller dimensions and periodic maintenance elimination. The operation automatically starts the electric pump when any point of use is open and closes it - after a 10 second programmed time - when closing the consumption point.

### ADVANTAGES

- No maintenance.
- installation time savings.
- Compact and reduced dimensions.
- Removal of protecting devices (level switch).
- Avoids pump oversizing because it makes integral use of its flow-pressure curve.
- Safety system against dry running.

### SERIAL EQUIPMENT

- YELLOW LED POWER.
- GREEN LED ON.
- RED LED FAILURE.
- Tactile starter push-button.
- Electronic circuit group with monobloc box easily replaceable.
- For other options like pressure gauge, cables, regulation, etc., look at MODELS and OPTIONS.

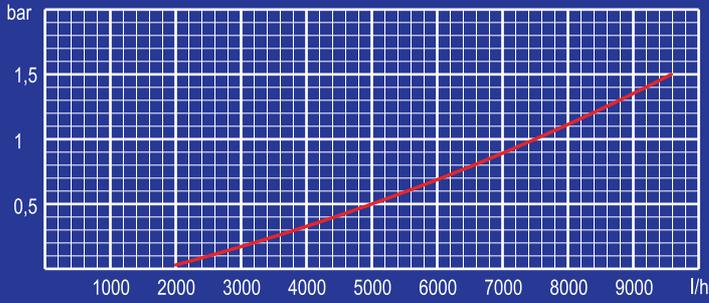
## CONSTRUCTION CHARACTERISTICS

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

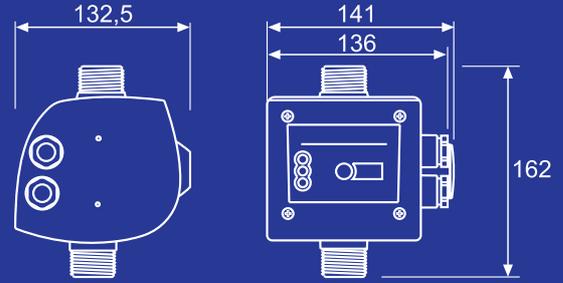
## TECHNICAL SPECIFICATIONS

Starting pressure:	Model R : de 1,5 a 4,5 bar
Maximum pressure:	10 bar
Connection threads:	G1 - ISO 228
Operating temperature:	0-60°C
Protection degree:	IP 65
Nominal voltage:	1~220-240V
Frequency:	50/60 Hz.
Maximum intensity:	30(16)A – 3HP
Maximum flow:	10m <sup>3</sup> /hour (find attached pressure loss graphic)
Net weight:	0,719 Kg. (basic model)

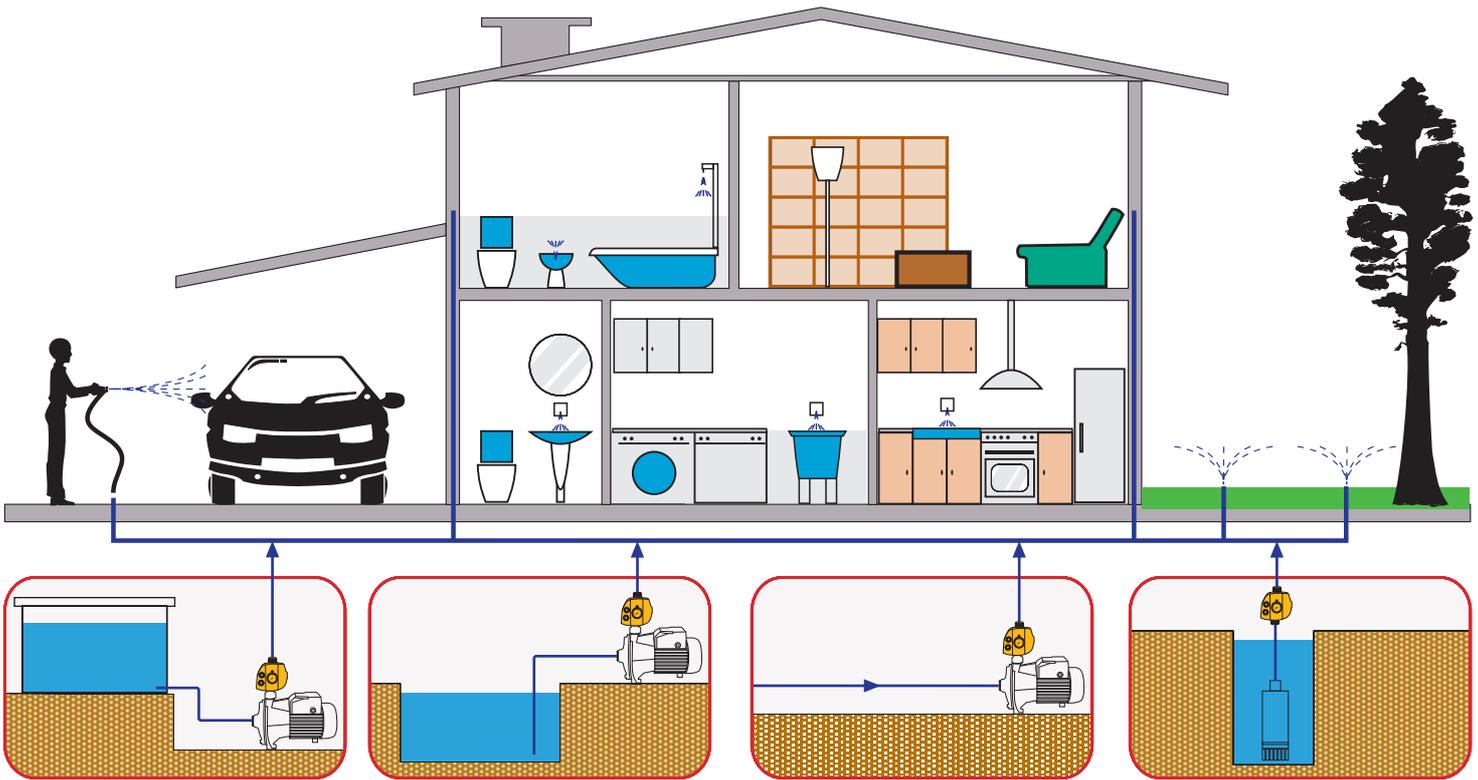
## PRESSURE LOSS



## DIMENSIONS



## INSTALLATION EXAMPLES



MODEL	1	2	3	4
F 15				
FM 15	X			
FMC 15	X		X	
R		X		
RM	X	X		
RMC	X	X	X	
___/U				X

## OPTIONS

- 1: Pressure gauge, 10 bar.
- 2: Starting pressure regulation, from 1,5 to 4,5 bar.
- 3: Cables H07RN-F. 1,5m lenght for line connection with Schucko socket and 0,5m lenght for pump connection.
- 4: Fitting 3 pieces to make easy the assembly. R "1M-R1"F. usefull all models.

Example of model code: with starting pressure 1,5 bar, pressure gauge, wiring cables and three pieces fitting: Compact 22 FMC 15/U

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