



PRESSCONTROL GAS-OIL



ELECTRONIC DEVICE FOR CONTROL AND PROTECTION OF THE PUMP

Equipped with a special NBR diaphragm for use with fuel oil.

Starts and stops the pump depending on opening and closing of the taps.

Stops the pump in case of a liquid shortage and protects it from dry running.

Can be installed on surface and submersible pumps.

No need for an expansion tank, check valve, filter or fittings.

Maintenance free.

TECHNICAL FEATURES

Single-phase mains voltage	230 Vac
Acceptable voltage fluctuation	+/- 10%
Frequency	50-60 Hz
Current max.	10 A
Power max.	1,5 kW [2 HP]
Protection degree	IP 65
Operating pressure max.	12 bar
Operating temperature max.	65°C
Minimum flow	~1 l/min
Male connections	Gc 1"
Certifications	TÜV SÜD

CONTROL PANEL

SIGNALING OF THE WORKING PHASES AND ANOMALIES

	POWER ON	Green led on	Device energized
	PUMP ON	Yellow led on	Pump running
	FAILURE	Red led on	Water shortage
	RESTART	Button	Reset after failure



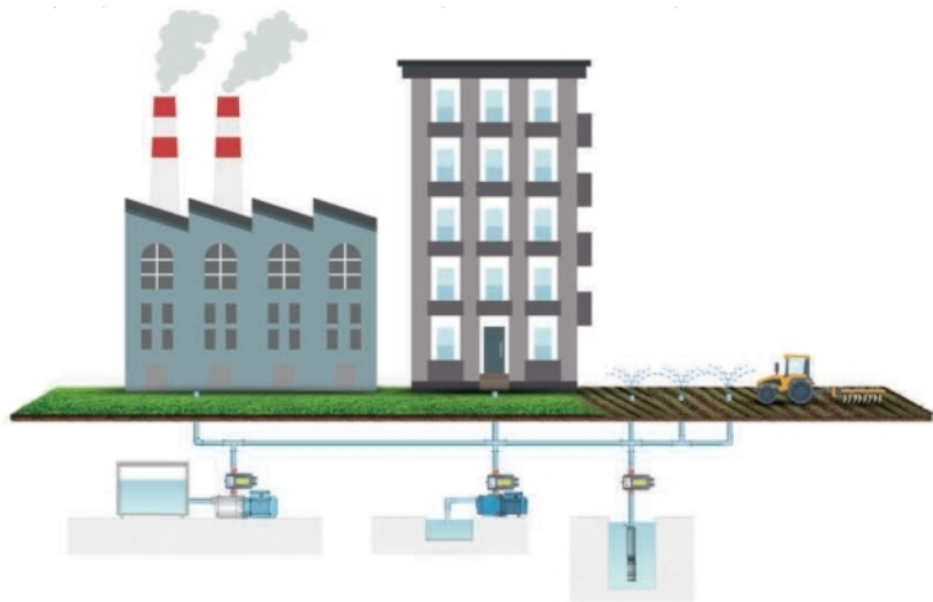
Made in Italy

INSTALLATION AND STARTUP

The device can be installed directly on the pump or between the pump and the first user.

Make all the electrical connections, check that the pump is correctly primed, open a tap and energize. The green Power on Led will light up on the control panel and the pump will start (yellow “Pump on” Led on) and will keep running for several seconds to pressurize the system. If this time is insufficient, the device will stop the pump (red “Failure” led on). Press and hold down the Restart button until the red Failure led turns off and the liquids come out of the open tap. When the tap is closed, the pump will stop after a few seconds (yellow “Pump on” led turns off). From now on, the device will turn the pump on and off depending on the opening and closing of the tap.

In case of water shortage, the device will stop the pump and protect it from dry running (red “Failure” led on). In case of a temporary blackout, the device will automatically rearm once the electricity returns.

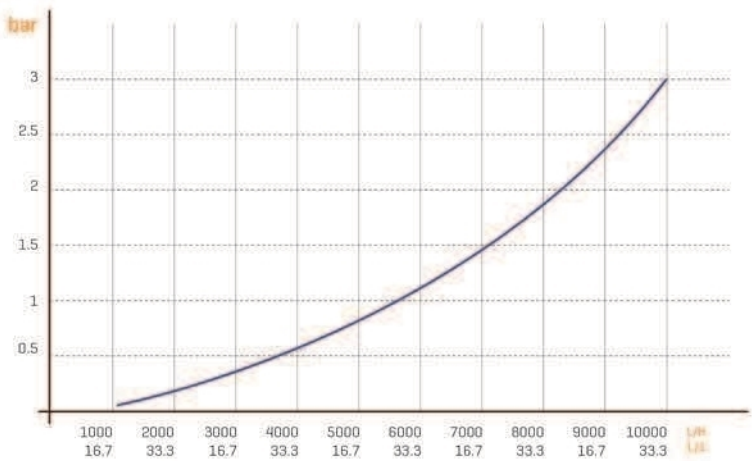


SELECTION OF THE DEVICE WITH APPROPRIATE RESTART VALUE

RESTART PRESSURE	1.2 bar	1.5 bar	2.2 bar	3 bar
FLOORS NUMBER	4	5	7	10
BUILDING HEIGHT (H)	12 mt	15 mt	22 mt	30 mt
MAX PUMP PRESSURE	min 2,5 bar	min 3 bar	min 3,5 bar	min 4,5 bar

Standard restart value: 1,5 bar. The restart values indicated in the table are available on request.

PRESSURE LOSS DIAGRAM



OPTIONALS

- On request, the device can be supplied with:
- Wired electrical cables.
 - Version 115 Vac.