



ESPRES 1000 & 2000

ESPRES – A floor mounted heating or chilled water pressurisation unit, for cold fill pressures up to 5.0 Bar (50 metres)



A simple to use controller that offers single or dual pump control and standard pumping requirements in a single controller. Many features in the unit are automatic and parameters are pre-set to the most common requirements.

- ESPA Pressurisation equipment automatically controls the pressure in a sealed system delivering water at a pre-determined pressure
- Once the system has been filled the ESPRES will take over and maintain the optimum system conditions
- Should a loss of water occur in the system, for any reason, the built in electronic pressure sensor will detect the drop in pressure and automatically start the pump restoring the system to the original cold fill pressure
- All units incorporate dry run protection. If the supply tank should run dry the pump will automatically stop, preventing serious damage.



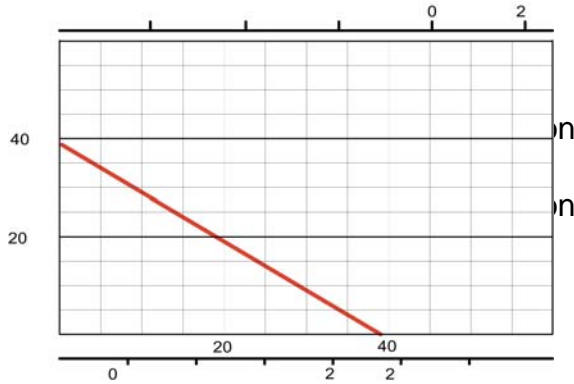
ESPRES 1000 & 2000

Features:

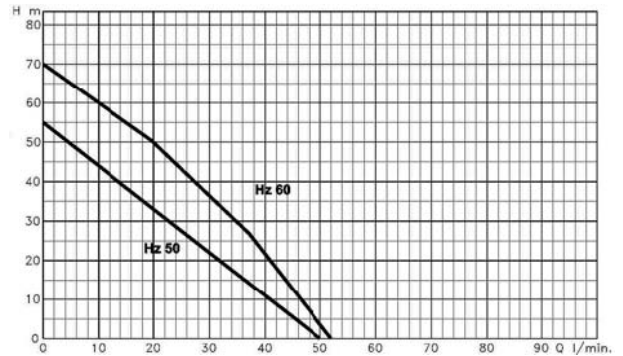
- Set point and differential can be adjusted with an accuracy of 0.1 bar.
- High pressure and Low pressure alarms can be set with an accuracy of 0.1 bar. Alarm relay and onboard buzzer, with auto reset.
- Dry run protection with auto reset. (Low level switch).
- Flood protection - Maximum pump run timer can be set in increments of 10 minutes up to 990 minutes and 0 to disable function. Alarm relay and onboard buzzer with manual reset.
- Single or dual pump, configurable in the parameters.
- Auto change over on dual pump setting.
- Pump current monitoring will detect a fault (excess current) and will isolate the pump and sound alarm. On dual pump versions it will automatically activate the second pump until the process is complete.
- Continuous pressure displayed on screen.
- Hours run for each pump.
- Log of number of alarms.
- Alarm messages displayed on screen
- Internal buzzer with mute and reset.
- Activation delay to stop false starts.
- Common alarm volt free or powered output. Switch able between N/O or N/C.
- 3 Digit high visibility LED display.
- Intelligent overrun on pump to prevent repetitive starts and guarantee set point is achieved.
- 60 Day pulse of pump to prevent seizing and flush pump.
- Keypad lock function to prevent tampering.
- Safe low voltage user interface.
- CE and EMC approved.
- Proven reliable technology.



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ESPRES 1000 (3.5 Bar CPF)



ESPRES 1000.H (5.0 Bar CPF)

MODEL	Voltage	FLC each pump	Kw	Outlet	CPF Max
ESPRES 1000	230v/1ph/50hz	2.1 Amps	0.37	15mm	3.5 Bar
ESPRES 1000.H	230v/1ph/50hz	2.1 Amps	1.00	15mm	5.0 Bar
ESPRES 2000	230v/1ph/50hz	2.1 Amps	0.37	15mm	3.5 Bar
ESPRES 2000.H	230v/1ph/50hz	2.1 Amps	1.00	15mm	5.0 Bar
H = For sets with higher cold fill pressure of 5.0 Bar.					

Dimensions

MODEL	Height	Width	Depth
ESPRES 1000	793	465	315
ESPRES 2000	793	465	315

Steel cabinet finished in epoxy powder paint.

Electrical Connections

The unit should be connected to a 240v single phase supply, via a fused switched outlet fitted with a 3 amp fuse.

Packaged units complete with vessel available on request.