

Floor and wall mounted pressurisation units with vacuum degasser

Applications

Compact, totally enclosed digital pressurisation units with vacuum degasser for use sealed systems in order to provide a minimum system pressure requirement and effective dissolved gas removal.

Installation

The **Espres Delux Plus** unit should be connected to the system at the same point as the expansion vessel to provide a neutral pressure reading. The two system connections must be installed on the return header to the heat exchanger approx 0.5 m apart.

Options

Flood protection.
Pump pulse.
Service reminder.

Features

System quick fill mode.
Password protection for parameter entry.
Pressure settings in 0.1 bar increments.
Event logging for pump start, pump run hours counter, electrical interruption & common alarm.
Volt free contacts for common fault, high pressure, low pressure, pump fault and pressure transducer.
Individual controllers for pressurisation and degassing function.
Vacuum degassing, turbo and normal Interval modes.



Technical specifications

	Espres Delux Plus 250 D		Espres Delux Plus 280D
Maximum system volume	300.000 Litres	Maximum system volume	300.000 litres
Working pressure range	1 - 6 bar(g)	Working pressure range	1 - 8 bar (g)
System temperature range	0 - 90 °C	System temperature range	0 - 90 °C
Ambient temperature range	0 - 45 °C	Ambient temperature range	0 - 45 °C
Noise rating	Approx. 75 dB(A)	Noise rating	Approx. 75 dB(A)
Electrical requirements	1x 230 V / 50 Hz	Electrical requirements	1x 230 V / 50 Hz
Full load current	2x 3.4 amps	Full load current	2x 5.6 amps
Power used	2x 0.5 kW	Power used	2x 0.75 kW
Fuse rating	13 amps	Fuse rating	13 amps
Safety rating	IP 54	Safety rating	IP 54
Maximum turbo routine	168 hours (1 week)	Maximum turbo routine	168 hours (1 week)
Maximum normal downtime	180 minutes (3 hours)	Maximum normal downtime	180 minutes (3 hours)
Control interface	RS 485	Control interface	RS 485
Volt free contacts	Common fault contact	Volt free contacts	Common fault contact
Maximum delivery pressure	6 bar(g) Cold fill	Maximum delivery pressure	8 bar(g) Cold fill
Maximum working pressure	10 bar(g)	Maximum working pressure	10 bar(g)
Break tank capacity	18 Litres	Break tank capacity	18 Litres
Fluid category protection	5 AB Weir overflow air gap	Fluid category protection	5 AB Weir overflow air gap

Dimensions and weights

Model	System	Mains supply	Overflow	Width	Depth	Height	[Kg]
Espres Delux Plus 250D	2x 15 (1/2")	15 (1/2")	22	480	330	1160	51
Espres Delux Plus 280D	2x 15 (1/2")	15 (1/2")	22	600	330	1160	61