



AutoFill



Automatic filling system for pressurized dewars



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SGLAB code: EM548IM

General description: The AutoFill system is an electrical panel that can be used in different sectors: industrial, scientific and medical; it can be installed inside or outside in locals with under adequate cover, having reduces dimensions and low weight, it includes a 230VAC-24VDC power supply with relative automatic protection switches.

Thanks to the AutoFill system, the pressurized dewar filling is easier; if this process is manually performed, due to human errors, could lead to serious accidents for the users. Using this kind of system, the operator only have to connect the pressurized dewar hoses to the device and start the filling cycle; if the system through the several sensors does not detect faults (ex. hoses not connected, manual dewar valve closed, ...) starts the cycle. Once the dewar filling process is complete, the system will signal it to the operator through an optical-acoustic alarm.

Thanks to the touch display 7'' the use for the operator is simple and intuitive, each use access will be filed through badge cards utilisation, as well as any filling performed by different operators will be filed.

The system is safe and reliable for users thanks to:

- O2 tenor sensor detection in operation's station for system blocking in case of under-oxygenation;
- Emergency button for system blocking in case of emergency/critical issues;
- Emergency manual selectors usable in case of system failure;
- Acoustic buzzer for alarm signaling.

Technical features

AUTOFILL	UM	Features
Dimensions (Width x Height x Depth)	mm	650 x 800 x 350
Weight	Kg	40
Supply voltage/ Frequency	VAC / Hz	230 / 50
Nominal supply voltage of electronic hardware	VDC	19 ÷ 26
Minimum / Maximum ambient temperature	°C	0 ÷ 40
Minimum / Maximum ambient humidity	%	25 ÷ 75
Maximum altitude above level sea	m	1000
Display touch screen		
Visual area size	inch	7
Display technology		TFT
Touch screen film		Resistive
Main components		
Emergency buzzer at 1 meter distance	dB	70
Serial interface RS485		115.2 kbps 8N1
USB interface (connection with USB pendrive)		FAT
I/O device		
Clean contact relay outputs for low voltage signals	N°	1
		30VDC 1A max