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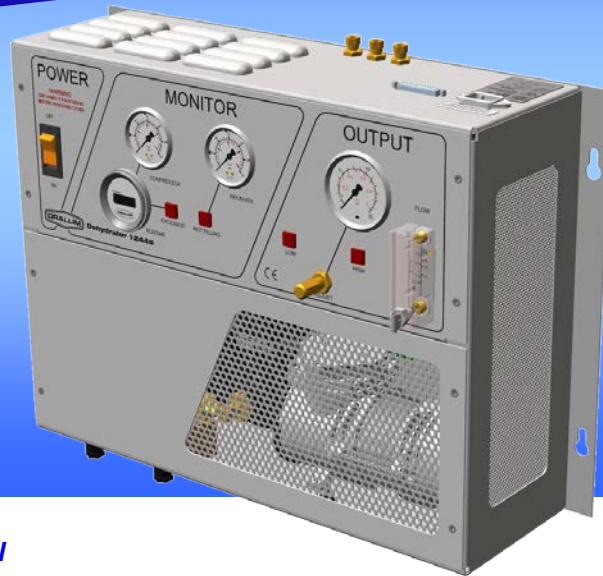
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An ISO 9001:2008 Approved Company
Registered Office: Registered in England No.606278

WAVEGUIDE DEHYDRATOR TYPE 12445/M

DATA SHEET



PRODUCT SPECIFICATION

1	Environmental Considerations	3	Dry Air Output
Operating Voltage	230V A.C. 50Hz single phase Removable mains lead and plug supplied. Current consumption – maximum: 1.3A	Pressure	0.5 - 5.0 psi controlled by front panel mounted tamperproof (relieving type) regulator.
Temperature	Ambient operating temp. 0 to 38°C (32-100°F)	Flow	13 ft ³ /hr at any set output pressure.
Dimensions	530mm wide x 430mm high x 225mm deep.	Dewpoint	Better than -35°C.
Fixings	Wall mounting. Mounting Template supplied. Slots provided either side for attachment to wall or other flat/even surface. Brackets extend 25mm either side.	Connection	3 male output bulkhead couplings, intended for 6.35mm (1/4") OD flexible hose, Supplied with 3 off union nuts and 2 blanking plugs.
Mass	24kg	4	Alarm Indication
Noise Level	Typically 63 dBA at 1 metre	Visual	High Humidity (Red) i.e. output being bypassed to atmosphere. Low Output pressure (Red) adjustable, factory set at approx. 0.5 psi. High Output pressure (Red) adjustable, factory set at approx. 4.5 psi. Excessive runtime alarm, user adjustable between 0.1 sec and 10 hours.
2	Operational Features:	Extended	25 Way "D" type connector provided to enable remote indication of all normally open and normally closed volt free contacts provided for each of: a. Mains Fail b. High Humidity (vessel/w.guide not filling) c. Low Output Pressure d. High Output Pressure e. Excessive Runtime
Compressor	1/8HP rocking piston pump (100psi max.) Stop/start pressure 20 - 40 psi. Safety relief valve (set at 60psi) fitted to protect equipment against overpressure. Minimal transmission of vibration - compressor fitted via rubber mounts.	5	Monitoring/Control
Air Drier	Twin bed heatless pressure reactivated adsorption type. Each bed on line 1 min / regenerating 1 min. Automatic changeover by electro-mechanical process timer with memory. Desiccant, grade 4A molecular sieve, 3-5mm. Inlet and outlet filtration by sintered 35 micron bronze filters at each drier bed port. Output dewpoint detection circuit with associated indication facilities	Electrical	Combined on/off switch/lamp and circuit breaker incorporating thermal protection rated at 5.0A Total running hour meter to indicate compressor usage, permanent LCD display
Humidity Detection	Automatic bypass to atmosphere of any insufficiently dried air. Set to operate at -18°C Fail safe operation	Pneumatic	"Compressor" pressure gauge 0-100psi "Receiver" pressure gauge 0-60psi. 63mm dia. "Output" pressure gauge 0-15 psi. Total flow indicator 0-40ft ³ /hr. Tamperproof precision output regulator (accurate within 10mbar over operational range of equipment).
Dry Air Storage	Internal moulded polyethylene air storage vessel provides a 0.7 litre reserve of dry air. Moulded from flame retardant material.		