



The GIBSON X F4 Automatic Pressurization Dehydrator is designed to protect air dielectric cable systems up to 950 l.

The dehydrator includes a self contained completely automated air drying system that utilizes a pressure swing moisture absorption cycle to provide pressurized dry air. This eliminates the need for replacement or manual reactivation of the desiccant and together with the flowmeter leakage monitoring makes the GIBSON X F4 dehydrator ideal for unattended operation.

The diaphragm pumps hold a pressure of 12 kPa.

FEATURES / BENEFITS

- Flow rate 250 l/h +/- 10%
- dew point better than -40°C @ 30°C Ambient temperature and 85° relativ humidity
- two pumps each with one drying chambers running alternatively
- drying chamber automatic regeneration
- microprocessor controls low pressure and power failure alarm
- local alarm signalling
- mounting: wall, floor, 19" rack
- including flowmeter for leakage easy detection



Technical features

GENERAL SPECIFICATIONS

Product Type		Automatic Dehydrator
max. System Volume @Sea Level	l	950
Output Capacity	l/h	250
Output Pressure	kPa (PSIG)	11 kPa factory pre-adjusted
Output Dew Point	°C	-40
Number of Outlets		4
Output Fitting		10 mm OD tube or adapter

ELECTRICAL SPECIFICATIONS

Operating Voltage	V	230 V AC
Operating Current	A	0.15

MECHANICAL SPECIFICATIONS

Dimension H x D x W	cm	13.3 x 34.5 x 48.2 (wall mount) 13.3 x 30.5 x 48.2 (19" rack mount)
Weight	Kg	11

ENVIRONMENTAL

Ambient Temperature Range	°C	-10 to +40
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ALARMS

Alarm		Summary alarm provided by internal SPDT (Single Pole Double Throw) relay contacts. Power failure Low pressure alarm (pressure 7 kPa and restored at >8 kPa) High humidity, visual monitoring with humidity indicator by changing salt's color. Leakage monitor by flow meter (range 0 - 25 l/h)
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ACCESSORIES

Model Name	Description
TUBE-01-G18	Gas inlet adaptor G 1/8" for 6mm tube
TUBE-0816	Tube Clamp, 8-16 mm
TUBE-SEAL	Teflon Tape 10mm, 12m



External Document Links

[Service Manual](#)

Notes

Delivery includes following accessories:

1x Power connector : IEC socket

1x Alarms connector : female connector with plastic case

25 meter Tube PR-5 or MB Ø10 mm.

4x Output angle adapters : plastic L code H2291(Dehydrator side)

4x Quick release union elbow : code H22106 (Cables side)

4x Adapters for cables connectors : code H0905 (1/8" thread)