



APD72-C Automatic Dehydrator, with LP alarm, 0.58 SCFM, 230V 50 Hz

Product Description

The APD72-C series is similar in design and features to the APD20-C series, except that the APD72-C has the larger 0.58 SCFM capacity and includes a protective metal rear cover as standard equipment. Like the APD20-C dehydrator, the APD72-C systems utilizes a pressure swing moisture absorption drying system that provides pressurized dry air to the system and continuously purges the collected moisture to the atmosphere. This eliminates the need for replacement or manual reactivation of the desiccant and makes our APD20-C and APD72-C series dehydrators ideal for unattended operation at even remote sites. System pressure is controlled by the dehydrator pressure switch settings. Normally, this is factory adjusted to 3 psig (20.7kPa) "on" and 5 psig (34.5 kPa) "off", but may be readjusted in the field to operate anywhere between 1.5 and 10 psig (10.3 kPa and 68.9 kPa). For additional safety, a standard low pressure alarm switch, factory-set at 1 psig (6.9 kPa), is installed in the dehydrator. The alarm switch contains a set of SPST contacts that can be used for both local and remote monitoring or alarming. Additional standard features include a 0-15 psig pressure gauge, indicating power light, and a visual moisture monitor which is dark blue when dry and turns pink when wet.

The units may be shelf mounted or placed in a 19" EIA relay rack.



Dehydrator

Features/Benefits

Technical Specifications

Product	Dehydrator
Dehydrator Type	Automatic
System Capacity	Large
Operating Voltage	230V 50/60 Hz
60 Hz Output Capacity, liters/sec (SCFM)	0.32 (0.7)
50 Hz Output Capacity, liters/sec (SCFM)	0.27 (0.58)
Output Dew Point	-40°C (-40°F)
Ambient Inlet Temperature, °C (°F)	1 - 49 (33 -120)
Ambient Humidity % maximum	95
Factory Set Output Pressure (on/off), kPa (psig)	20.7-34.5 (3/5)
Field Adjustable Output Pressure (on/off), kPa (psig)	10.3-68.9 (1.5-10)
Output Differential Output Pressure (on/off), kPa (psig)	13.8 (2) minimum
Compressor Rating	1/4 hp
Pumping Power Consumption, Watts	600
Idle Power Consumption, Watts	10
Low Pressure Alarm	Factory set for 1 psig (P/N 916814-001) 0.5 psig differential.
Output Fitting	1/8" FPT to 3/8" plastic tube fitting
Dimensions, H x W x D, mm (in)	297 x 382 x 203 (11.7 x 15 x 8)
Net Weight, kg (lb)	17 (37)

Notes

Other Documentation



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APD-70/72/73 Maximum Dehydrator Capacity Ratings

Transmission Line	Approximate Length Feet (m)
7/8"	73,000 (22,200)
1-5/8"	24,000 (7,300)
3-1/8"	7,300 (2,200)
6-1/8"	1,700 (500)
6 to 12 GHz Waveguide	28,000 (8,500)
4 to 5 GHz Waveguide	14,000 (4,300)

APD72-C Factory-Attached Options

Model Number	Description
940020-C-BVF	Bleeder Valve
940020-C-HAF	Humidity Monitor with Bleeder Valve
940020-C-TAF	Timer Alarm
940020-C-HTAF	Humidity Monitor with Timer Alarm

Order information

*Based on 2 hour continuous running.

Capacity Ratings

All information contained in the present datasheet is subject to confirmation at time of ordering