DIELECTRIC® ⁊⁊

Model 200

Series A -D – Special Application Air Dryers

Dielectric's Model 200 series air dryers are fully self-contained compressor dehydrators capable of providing dry air for small volume demands. These compact free-standing units are small enough to be easily mounted in even the most out-of the way spaces, yet provide a normal output of up to 200 S.C.F.D.* (234 liters/hr) and a maximum capacity of 300 S.C.F.D. (354 liters/hr). The Model 200 series is available in four alarm/output pressure configurations and in 115V/60-50Hz or 220V/50-60Hz to provide optimum capabilities for all applications. With an adjustable outlet pressure of 2 to 15 PSIG (0.14 to 1.03 bar) or 0.1 to 2.0 PSIG (0.007 to 0.14 bar) in the "D" series. Standard units are available to fit most requirements.

The Model 200 Series air dryers are ideally suited for all your specialty pressurization requirements including toll cable, microwave repeater sites, CEV (Controlled Environment Vault), broadcast transmission line and wave-guide pressurization. In addition, these units can be manufactured to military specifications for applications in ground based and mobile radar systems.

The Model 200 series air dryers utilize a reliable twin tower heatless drying system and a long life oil-less compressor well suited for operation even at high altitudes. In addition, special consideration has been given to accessibility and ease of maintenance to provide a versatile, full featured pressurization package.

*S.C.F.D = Standard Cubic Feet per Day

FEATURES

- Adjustable system pressure allows for altitude compensation to assure peak efficiency at any elevation.

- Built-in air storage tank provides 0.22 cubic foot (6.2 liters) of dry air storage to reduce cycling and extend component life.

- Self-regenerating twin tower heatless drying system for years of trouble free operation.

- Compact and efficient design makes this unit ideal for all small capacity dry air requirements.

OPTION DESIGNATIONS

Options are keyed to last letter of model designation

Letter:

A The output pressure regulator allows adjustment of the output pressure from 2 to 15 PSIG (0.14 to 1.03 bar). This unit comes equipped with a color-change Humidity Indicator, an adjustable Low Output Pressure Alarm, Power Off Alarm, Power On indicator light, and Summary Alarm Terminal Board. Both "Closed in Alarm" and "Open in Alarm" conditions can be monitored from the alarm terminal board.

B The output pressure regulator allows adjustment of the output pressure from 2 to 15 PSIG (0.14 to 1.03 bar). This unit is equipped with an Electronic Humidity Alarm factory preset to alarm at 2% RH -20ºF (-28ºC). Other standard features include an adjustable Low Output Pressure Alarm, and Power Off Alarm Power-On Indicator Light and a Summary Alarm Terminal Board. Both "Closed in Alarm" and "Open in Alarm" conditions can be monitored from the alarm terminal board.

C The output pressure regulator allows adjustment of the output pressure from 2 to 15 PSIG (0.14 to 1.03 bar). This unit is equipped with an Electronic Humidity Alarm, factory preset to alarm at 2% RH -20ºF (-28ºC) and a Humidity Bypass with automatic reset. Other standard features include an adjustable Low Output Pressure Alarm, adjustable High Output Pressure Alarm, Excessive Operation Alarm, and Power Off alarm. Front panel indicator lights provide confirmation of alarm status and a segregated Alarm Terminal Board provides for remote recognition of 5 separate alarm conditions or a single "Summary" alarm condition. Both "Closed in Alarm" and "Open in Alarm" conditions can be monitored from the alarm terminal board.

D A precision low pressure regulator allows adjustment of the output pressure from 0.1 to 2.0 PSIG (0.07 to 0.14 bar). This model is equipped with an Electronic humidity alarm, factory preset to alarm at 2% RH -20ºF (-28ºC) and a Humidity Bypass with automatic reset. Other standard features include adjustable Low Output and High Output Pressure Alarms, Excessive Operation Alarm, and Power Off Alarm. Front panel indicator lights provide verification of alarm status and a Segregated Alarm Terminal Board provides remote recognition of five separate alarm conditions or a single "Summary" alarm condition. Both "Closed in Alarm" and "Open in Alarm" conditions can be monitored from the alarm terminal board.

SPECIFICATIONS

CHARACTERISTICS	MODEL 200, SERIES A - D
Normal Capacity	200 SCFD (234 Litres/hour)
Emergency Capacity	300 SCFD (354 Litres/hour)
Air Compressor	0.125 hp. (93W)
Electrical Options	115/110V, 60/50Hz, 1 ph. 230/220V, 60/50Hz, 1 ph.
Operating Current	115V - 2.0A 230V - 1.0A
Compressor Circuit Protection (manual reset)	115V - 5.0Amp 230V - 1.25Amp
Control Circuit Protection (5 x 20 mm fuse)	115V - 1/4 Amp 230V - 1/8 Amp
Height	16.5" (42cm)
Width	15.0" (38.1cm)
Depth	8.0" (20.3cm)
Weight	35 lbs. (15.9kg)

ELECTRICAL OPTIONS	MODEL 200A	MODEL 200B	MODEL 200C	MODEL 200D
115/110V, 60/50Hz, 1 ph.	46341	46343	46345	46347
230/220V, 60/50Hz, 1 ph.	46342	46344	45352	46294

Specialists in Cable Pressurization