MODELS 600/850

SERIES A-D
SPECIAL APPLICATION AIR DRYER

Features

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

♻ Compressor isolation provides quiet, vibration free operation and extends service life.

♻ Large ASME air storage tank reduces cycling for improved component life.

♻ Forced air ventilation allows cooler operation and improved efficiency.

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

Fully automatic, self-contained compressor dehydrators, Radiodetection's Models 600 and 850 provide a dry air source for a variety of small volume applications. These units are quiet and compact making them the ideal choice for your low volume dry air (less than 2% RH) requirements. The Models 600 and 850 air dryers are available in four alarm / output pressure configurations and in 115V / 60-50Hz to provide optimum capabilities for all applications. With an adjustable outlet pressure of 2 to 15 PSIG. (0.1 to 2.0 PSIG in the "D" series) standard units are available to fit most requirements.

These units are ideally suited for specialty pressurization requirements such as toll cable, repeater site, broad-cast transmission line, waveguide, and CEV (Controlled Environment Vault) pressurization. In addition, these units can be manufactured to either commercial or military specifications for applications in ground based and mobile radar systems.

Models 600 and 850 air dryers feature a reliable twin tower heatless air dryer and a long life compressor well suited for high altitude operation. Cabinet air flow via forced air ventilation as well as sophisticated vibration isolation optimize the service life of these units. In addition, special consideration has been given to accessibility and ease of maintenance to provide a versatile, full featured pressurization package.

LETTER

-A   The output pressure regulator allows adjustment of the output pressure from 2 to 15 PSIG. 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. This unit is equipped with an Electronic Humidity Alarm factory preset to alarm at 2% RH (-20° dew point). 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. This unit is equipped with an Electronic Humidity Alarm, factory preset to alarm at 2% RH (-20° dew point), 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 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. This model is equipped with an Electronic humidity alarm, factory preset to alarm at 2% RH (-20° dew point), 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 600	MODEL 850
Normal Capacity	600 S.C.F.D.	850 S.C.F.D.
Maximum Capacity	750 S.C.F.D	1080 S.C.F.D.
Dew Point	-40°F (-40°C)	-40°F (-40°C)
Operating Voltage	115V/60-50Hz, 230V/60-50Hz	115V/60-50Hz, 230V/60-50Hz
Operating Amps	6.0 (115V), 3.0 (230V)	6.5 (115V), 3.2 (230V)
Circuit Protection (manual reset) Compressor	10 Amp (115V), 5 Amp (230V) 1⁄4 H.P.	10 Amp (115V), 5 Amp (230V) 1⁄4 H.P.
Width	17.5 Inches	17.5 Inches
Height	15.5 Inches	15.5 Inches
Depth	17.5 Inches	17.5 Inches
Weight	85 Lbs.	85 Lbs.
Air Outlet	3/8" O.D. Tube Fitting	3/8" O.D. Tube Fitting

Specialists in Cable Pressurization

SPX

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