

Compressed Air Dryers

PSA Air Dryer



Balston
Compressed Air
Dryer

Reduce the dewpoint of compressed air to -100°F (-73°C)

Unattended 24 hour operation

Lightweight and compact

No desiccant to change

Applications

Pneumatic Tool Stations
HVAC Systems
Purge Electrical Boxes
Air Lines Subject to Sub-Freezing Temperatures
Blanketing Moisture Sensitive Materials
Spray Painting
Pneumatic Instrumentation
Robotics
Lasers
Dry Boxes

Model 75-A20NA

Balston regenerative PSA desiccant dryer reduces the atmospheric dewpoint of compressed air without operator attention. Model 75-A20NA will reduce the dewpoint to -100°F (-73°C). The dryer is delivered complete and ready for easy installation. The dryer has coalescing prefilters with automatic drains, PSA drying towers, a particulate final filter, a moisture indicator, differential pressure indicator, and pretested controls.

The Balston regenerative dryer has safe, 12 VDC electrical controls. To install, simply attach the inlet (60 psig/4.1 BARG minimum) and outlet air lines, plug the electrical transformer into a wall outlet - no electrician required - and the unit is ready for trouble-free operation.

This reliable dryer can be easily installed, operated, and maintained by personnel not trained in instrumentation. The Balston dryer is useful when air comes into contact with moisture-sensitive materials, or when outside compressed air lines are subjected to sub-freezing temperatures.

The 75-A20NA is a wall mountable unit. It has a 10 SCFM/min. (283 lpm) capacity (at 100 psig/6.9 BARG inlet pressure).

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Principal Specifications

Model	75-A20NA
Dewpoint	-100°F (-73°C) (1)
Max. Dry (outlet) Air Flow Rate for Specified Dew Point (1)	
Inlet Pressure 125 psig	12.0 SCFM (340 lpm)
Inlet Pressure 100 psig	10.0 SCFM (283 lpm)
Inlet Pressure 80 psig	8.3 SCFM (235 lpm)
Inlet Pressure 60 psig	6.5 SCFM (184 lpm)
Air Loss for Regeneration	2.5 SCFM (71 lpm) (2)
Min/Max Inlet Air Pressure	60 psig/125 psig (4.1 BARG/8.6 BARG)
Max. Inlet Air Temperature	78°F (25°C) (3)
Pressure Drop at Max. Flow Rate	8 psid (0.055 BARD)
Inlet/Outlet Port Size (female)	1/4" NPT
Electrical Requirements	120 VAC/60 Hz. (4)
Shipping Weight	50 lbs. (23 kg)
Dimensions	15"W X 41"H (38cm X 104cm)

Notes:

1 Dewpoint will be lower than specified at lower air flow.

2 Total air required = air loss for regeneration + process demand (up to max. dry air flow rate).

3 Outlet dewpoint will increase at higher inlet compressed air temperatures.

4 Power consumption - less than 10 watts. Each dryer is shipped with a 12 VDC plug-in transformer to connect to the local electrical supply.

5 Filtration efficiency: 99.99% at 0.01 micron.

Ordering Information

For Assistance, call toll-free at 1-800-343-4048 8AM to 5PM Eastern Time

Description	Model Number
Balston Compressed Air Dryer	75-A20NA
Replacement Filter Cartridges 1st stage (box of 10)	100-18-DX
Replacement Filter Cartridges 2nd stage (box of 10)	100-18-BX
Maintenance Kit, 1 year supply of filter cartridges	MK7525P

Offer of Sale

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12. Entire Agreement/Governing Law: The terms and conditions set forth herein, together with any amendments, modifications and any different terms or conditions expressly accepted by Seller in writing, shall constitute the entire Agreement concerning the items sold, and there are no oral or other representations or agreements which pertain thereto. This Agreement shall be governed in all respects by the law of the State of Ohio. No actions arising out of the sale of the items sold hereunder or this Agreement may be brought by either party more than two (2) years after the cause of action accrues.