Compressed Air Dryers

Balston Compressed Air Dryers

Balston offers both membrane and PSA technology. Balston Membrane Air Dryers combine superior coalescing technology with a proven, innovative membrane system to supply clean, dry compressed air with dewpoints as low as -40°F (-40°C).

Balston PSA Compressed Air Dryers will reduce the dewpoint of compressed air to -100°F (-73°C). Each dryer is delivered complete and ready for easy installation.



Product Features:

- Unattended 24 hour operation
- Compact
- Membrane and PSA technologies available
- Silent operation
- No desiccant to change
- Easy to install and operate

Moisture Sensitive Point of Use Areas

Main Ring Applications

Process and Production Equipment



Compressed Air Dryers

PSA Air Dryer



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-A20

Balston regenerative PSA desiccant dryer reduces the atmospheric dewpoint of compressed air without operator attention. Model 75-A20 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-A20 is a wall mountable unit. It has a 10 SCFM(17 Nm³/hr)/min. (283 lpm) capacity (at 100 psig/6.9 BARG inlet pressure).



Compressed Air Dryers PSA Air Dryer

Principal Specifications

Model	75-A20	Notes: 1 Dewpoint will b air flow.
Dewpoint Max. Dry (outlet) Air Flow Rate for Specified Dew Point (1)	-100°F (-73°C) (1)	2 Total air requi process demand
Inlet Pressure 125 psig Inlet Pressure 100 psig Inlet Pressure 80 psig Inlet Pressure 60 psig Air Loss for Regeneration Min/Max Inlet Air Pressure Max. Inlet Air Temperature Pressure Drop at Max. Flow Rate Inlet/Outlet Port Size (female) Electrical Requirements Shipping Weight Dimensions	12.0 SCFM (340 lpm) (20 Nm ³ /hr) 10.0 SCFM (283 lpm) (17 Nm ³ /hr) 8.3 SCFM (235 lpm) (14 Nm ³ /hr) 6.5 SCFM (184 lpm) (11 Nm ³ /hr) 2.5 SCFM (71 lpm) (2) (4.2 Nm ³ /hr) 60 psig/125 psig (4.1 BARG/8.6 BARG) 78°F (25°C) (3) 8 psid (0.055 BARD) 1/4" NPT 120 VAC/60 Hz. (4) 50 lbs. (23 kg) 15"W X 41"H (38cm X 104cm)	 3 Outlet dewpoi compressed air i 4 Power consur Each dryer is sh transformer to co supply. 5 Filtration effici

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-A20	
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	



Air Dryers

Customer Support and Service Network for Balston® Products



Customer Support and Assistance

Balston products are supported by a staff of 70+ highly trained sales and service specialists located throughout North America and Canada.

The Specialists are continuously trained and updated on all Balston branded products and technologies, ensuring prompt, accurate customer service.

When on-site service isn't practical, replacement items are shipped the same day you contact us directly to your facility from one of our near by Stocking Centers or directly from our Manufacturing Plant. We guarantee overnight delivery and we pay the freight!

World Class Manufacturing

All Balston branded products are manufactured within strict guidelines of a total quality management program. Each product incorporates superior workmanship and the best quality components available ensuring long term reliability and trouble free operation. Your complete satisfaction is guaranteed.

Technical Support Staff

If you have technical questions, special product modifications or unique applications, Balston's technical information and support staff are available to assist you with your requirements.

These highly trained application engineers are committed to ensuring your questions are answered accurately, and your special needs are attended to. In addition, they will work closely with you on new and unique applications.

This team of engineers can be contacted at 1-800-343-4048 8AM to 5PM Eastern Time.



Worldwide Filtration Manufacturing Locations

North America

Compressed Air Treatment Filtration & Separation/Balston Haverhill, MA 978 858 0505 www.parker.com/balston

Finite Airtek Filtration Lancaster, NY 716 686 6400 www.parker.com/pdf

Finite Airtek Filtration Oxford, MI 248 628 6400 www.parker.com/finitefilter

Engine Filtration & Water Purification Racor

Modesto, CA 209 521 7860 www.parker.com/racor

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Racor Beaufort, SC 843 846 3200 www.parker.com/racor

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Hydraulic Filtration Hydraulic Filter Metamora, OH 419 644 4311 www.parker.com/hydraulicfilter

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