

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



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-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
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) (20 Nm ³ /hr)
Inlet Pressure 100 psig	10.0 SCFM (283 lpm) (17 Nm ³ /hr)
Inlet Pressure 80 psig	8.3 SCFM (235 lpm) (14 Nm ³ /hr)
Inlet Pressure 60 psig	6.5 SCFM (184 lpm) (11 Nm ³ /hr)
Air Loss for Regeneration	2.5 SCFM (71 lpm) (2) (4.2 Nm ³ /hr)
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-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

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.

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North America

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