

Laboratory Membrane Air Dryers

The Parker Balston® 64-01, 64-02 and 64-10 Membrane Air Dryers will supply oil and particulate free dry compressed air to atmospheric dewpoints as low as -40°F (-40°C), and at flow rates of up to 25 SCFM. Parker Balston Membrane Air Dryers are engineered for easy installation, operation, and long term reliability. The dryers incorporate the highest efficiency membrane available, offering low cost operation and minimal maintenance.

Parker Balston Membrane Air Dryers are designed to operate continuously, 24 hours per day, 7 days per week. The only maintenance required is

changing the prefilter cartridge once each year. This annual maintenance takes approximately 5 minutes.

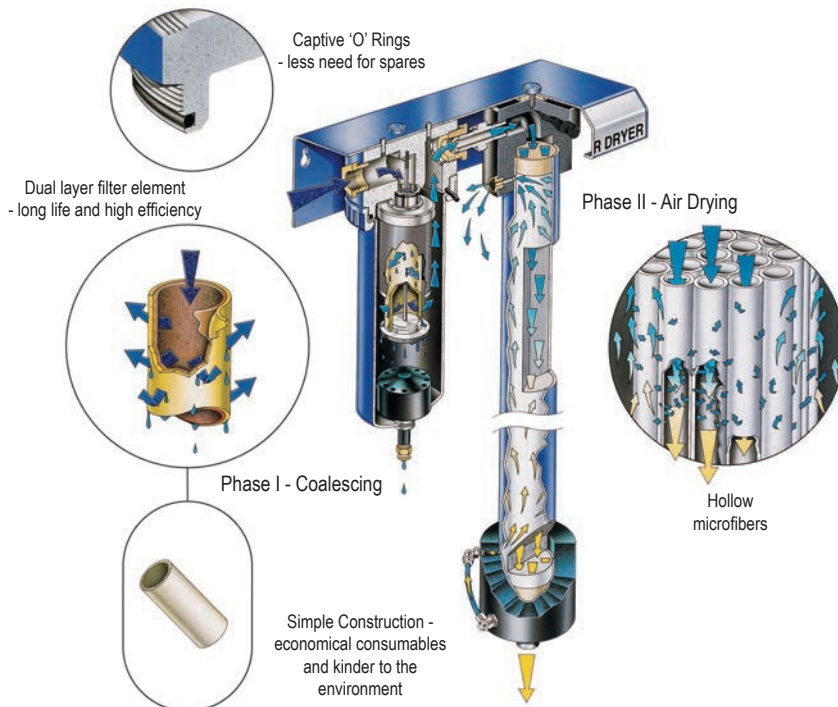
The dryers are lightweight, compact, and can be easily installed on an existing air line. In a vertical or horizontal orientation (depending upon model), a high efficiency coalescing prefilter is installed directly upstream from the dryer module to protect the membrane from potential contamination caused by pipe scale, liquids, or other solids. Parker Balston Membrane Air Dryers require no electrical connections, making them ideal for remote and point-of-use installations or for installation in hazardous areas.



Model 64-02

Features and Benefits

- Low dewpoint instrument air - prevents analytical instrument contamination
- Dry air for hazardous areas
- No electricity required - low operating costs
- No refrigerants or freons - environmentally sound
- Explosion proof
- No moving parts or motors - silent operation



- Phase 1: Coalescing Filtration; oil, water droplets and particulate contamination removed with an efficiency of 99.99% at 0.01 micron. Water-laden air passes through membrane filter.
- Phase 2: Drying - As the compressed air passes through the hollow membrane fibers, water vapor permeates through the fiber walls, and dry air exits the end of the fiber, piping to the application.

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Principal Specifications

| Membrane Air Dryer Model | 64-01 | 64-02 | 64-10 |
|--|---|--|---|
| Max. Flow Rate (1) at 40°F (-40°C) at Dewpoints Shown at 32°F (0°C) | 28 LPM 71 LPM | 57 LPM 142 LPM | 283 LPM 708 LPM |
| Min/Max Inlet Air Temp. (2) | 40°F/140°F (4°C/60°C) | 40°F/140°F (4°C/60°C) | 40°F/140°F (4°C/60°C) |
| Recommended Operating Temp. Range | 60°F-100°F (16°C-38°C) | 60°F-100°F (16°C-38°C) | 60°F-100°F (16°C-38°C) |
| Min/Max Inlet Pressure | 60 psig/150 psig | 60 psig/150 psig | 60 psig/150 psig |
| Maximum Pressure Drop | <4 psig | <4 psig | <4 psig |
| Wall Mountable | Yes | Yes | Yes |
| Inlet/Outlet Port Size | 1/4" NPT (female) | 1/4" NPT (female) | 1/2" NPT (female) |
| Electrical Requirements | None | None | None |
| Shipping Weight | 9 lbs. (4 kg) | 10 lbs. (5 kg) | 18 lbs. (9 kg) |
| Dimensions | 6" w x 22" h x 5" d (15cm x 57cm x 13cm) | 6" w x 23" h x 5" d (15cm x 112cm x 13cm) | 6" w x 37" h x 5" d (15cm x 93cm x 13cm) |

NOTES

- 1 Dewpoint specified with inlet air at 100°F (38°C) saturated at 100 psig.
- 2 Inlet compressed air dewpoint must not exceed the ambient air temperature.

Ordering Information

for assistance, call 800-343-4048, 8 to 5 Eastern Time

| Description | 64-01 | 64-02 | 64-10 |
|---|-------------|-------------|-------------|
| Annual Maintenance Kit | MK7601 | MK7601 | MK7610 |
| Installation Kit | IK7572 | IK7572 | IK75880 |
| Pressure Regulator | 72-130-V883 | 72-130-V883 | 72-130-V883 |
| Preventive Maintenance Plan | 64-01-PM | 64-02-PM | 64-10-PM |
| Extended Support with 24 Month Warranty | 64-01-DN2 | 64-02-DN2 | 64-10-DN2 |

