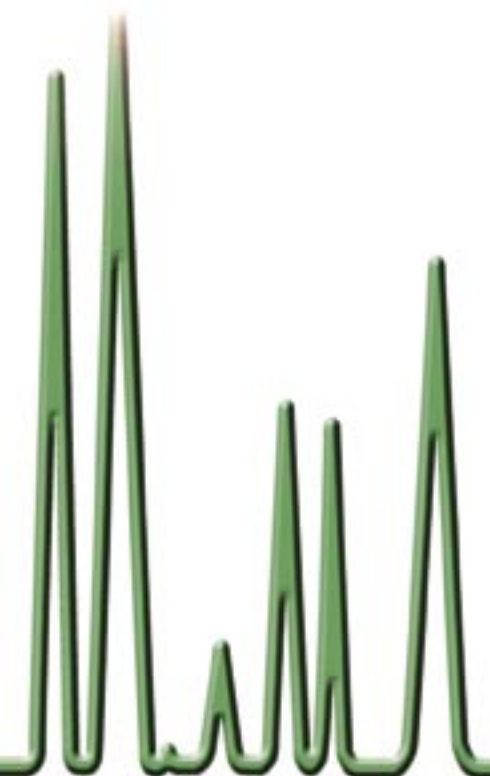
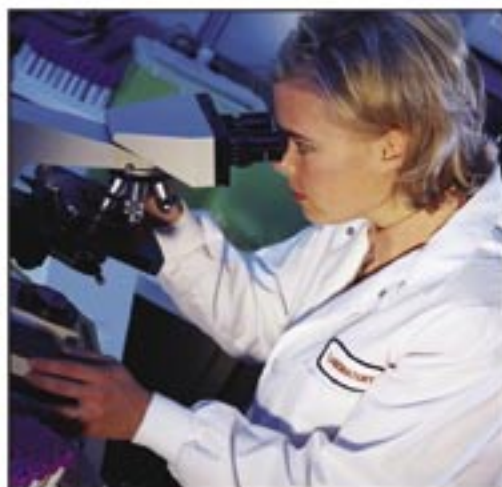




Analytical Gas Systems

Analytical Gas Systems Product Catalog

Products for the Laboratory



Laboratory Membrane Air Dryers

- ▲ 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

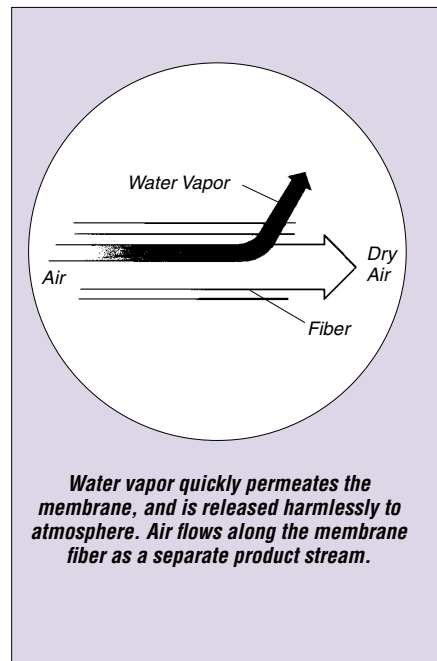


Model 64-02

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.



Laboratory Membrane Air Dryers

Principal Specifications

Membrane Air Dryers	Model	At -40°F Dewpoint (-40°C)	At 32°F Dewpoint (0°C)
Max. Flow Rate (1)	64-01	47 LPM	113 LPM
	64-02	125 LPM	307 LPM
	64-10	517 LPM	1,203 LPM
Min/Max Inlet Air Temp. (2)		40°F/140°F (4°C/60°C)	
Recommended Operating Temp. Range		60°F-100°F (16°C-38°C)	
Min/Max Inlet Pressure		60 psig/150 psig	
Maximum Pressure Drop		<4 psig	
Wall Mountable		Yes	
Inlet/Outlet Port Size	64-01	1/4" NPT (female)	
	64-02	1/4" NPT (female)	
	64-10	1/2" NPT (female)	
Electrical Requirements		None	
Shipping Weight	64-01	9 lbs. (4 kg)	
	64-02	10 lbs. (5 kg)	
	64-10	18 lbs. (9 kg)	
Dimensions	64-01	6"w x 22"h x 5"d (15cm x 57cm x 13cm)	
	64-02	6"w x 23"h x 5"d (15cm x 112cm x 13cm)	
	64-10	6"w x 37"h x 5"d (15cm x 93cm x 13cm)	

Notes:

- Dewpoint specified with inlet air at 100°F (38°C) saturated at 100 psig.
- 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		Model Number
Parker Balston Membrane Dryer		64-01, 64-02, 64-10
Inlet Compressed Air Conditioner	All	72-100NA
Annual Maintenance Kit	64-01	MK7601
	64-02	MK7601
	64-10	MK7610
Installation Kit	64-01	IK7572
	64-02	IK7572
	64-10	IK75880
Pressure Regulator	All	72-130-V883
Preventative Maintenance Contract	64-01	LFMEMDRY-PM
	64-02	LFMEMDRY-PM
	64-10	HFMEMDRY-PM
Extended Support with 24 Month Warranty	64-01	64-01-DN2
	64-02	64-02-DN2
	64-10	64-10-DN2

Ultra Dry Gas Generator

- ▲ Supplies ultra-dry, purified compressed air to NMR Spectrometers and other analytical instruments
- ▲ Ideal gas supply for spindle and automatic sample changer
- ▲ Completely eliminates costly, inconvenient nitrogen dewars - never pay for or change out another dewar
- ▲ Compact design frees up valuable laboratory floor space
- ▲ Completely automatic - plug it in and forget about it



Model UDA-300NA

The Parker Balston® Model UDA-300NA Compressed Air Dryer provides ultra-dry, purified compressed air to analytical instruments. The model UDA-300 reduces the dewpoint to -100°F (-73°C) without operator attention.

Each system is delivered complete, and ready for easy installation. A high efficiency prefiltration system, automatic drains, a 0.01µm final filter, a moisture indicator, and pretested controls are integral to the design of each dryer.

To install, simply connect your house compressed air supply (at least 60 psig and 1/4 inch pipe) to the dryer inlet port, and connect the dryer outlet port to your instruments. Plug the electrical cord into a wall outlet - no electrician required - and the unit is ready for trouble-free operation.

Designed specifically for NMR instrumentation, the generator is completely automatic, and virtually maintenance free. It is ideal for injecting, spinning, and lifting operations. It is recommended by major NMR instrument manufacturers and is currently installed in several thousand locations.

Principal Specifications

Model UDA-300NA Compressed Air Dryer

Dew Point	-100°F (-73°C)
Flow Rate at 60 psig	390 scfh (184 lpm)
Flow Rate at 125 psig	720 scfh (340 lpm)
Min/Max Inlet Air Pressure	60 psig/125 psig
Max Inlet Air Temperature (1)	78°F (25°C)
Inlet/Outlet Port Size	1/4" NPT (female)
Electrical Requirements	120 VAC/60 Hz, 10 Watts
Dimensions	41"h x 15"w x 8"d (104cm x 38cm x 20cm)
Shipping Weight	50 lbs (23 kg)

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

Description	Model Number
Compressed Air Dryer	UDA-300
Inlet Pressure Regulator	72-130-V883
Annual Maintenance Kit	MK7525
Annual Preventative Maintenance Contract	NMRDRY-PM
Extended Support with 24 Month Warranty	UDA-300-DN2

Notes:

- 1 Outlet dew point will increase at higher inlet compresses air temperatures
- 2 Power consumption - less than 10 watts; dryer is supplied with a 12 VDC transformer to connect to the local power supply

