

xebec

AD^X DRY



Modular Compressed Air Dryers

AD^XSOLUTIONS

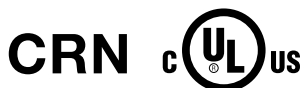
xebecinc.com

THE APPLICATION

Compressed air systems are critical components to Automotive, Food & Beverage, Electronics, Pharmaceutical, and many other general industrial use applications thanks to ever-increasing demands for cleaner, oil-free, and dry compressed air. As an important source of energy, not only does air need to be clean and contaminant-free, it also needs to be super dry to maximize overall system efficiency. Any form of water or oil vapour can cause costly downtime, machine damage and product spoilage.

Advantages of a Modular System

Taking compressed air treatment to the next level through advanced technology, Xebec's industrial modular air dryers combine proven, reliable dryer principles with unsurpassed flexibility, affordable space-saving design, and operational safety and efficiency.



UNSURPASSED FLEXIBILITY

Designed for any space challenge. Lightweight, the **ADX**DRY is less than half the weight and size of a traditional twin tower design. Even the largest model can easily pass through a doorway.

Designed for any environment. Aesthetically pleasing and quiet, the X-Dry can be located from a front office to a back-end compressor room.

Designed for a range of flows. From 3 to 213 scfm (4 to 343 Nm³/h) with dew points of -40°F/-40°C (-100°F/-70°C optional), these dryers are fully-equipped, requiring only air inlet/outlet connections. A pre-filter and after-filter are recommended when the dryer is to be installed downstream of an oil-lubricated compressor.

Designed for most installation options. Wall, bench, or floor mount.



AFFORDABLE SPACE-SAVING DESIGN

Small footprint. The compact **ADX DRY** comes fully equipped with a power cable and mounting brackets.

Quality, lightweight aluminum construction. For corrosion-resistance.

Easy to install and easy to use. Plug and go, the simple digital display tells you what you need to know.

No hassle maintenance. Easy access for desiccant change-out and servicing.

EFFICIENT, RELIABLE, SAFE OPERATION

Efficient. Using a highly engineered inlet and purge manifold design, the **ADX DRY** is one of the lowest pressure drop desiccant dryers in the industry.

Lower life-cycle costs. Thanks to low energy and simplified maintenance.

Reliable and durable. Completely automatic, proven electronic controls, high performance valves, high-quality/high-density-filled desiccant.

Tested and proven. 100% tested for leaks, operation and performance. Every dryer has a 2 Year Limited Warranty.

Maximum protection against corrosive environments. Aluminum construction.

Delivers highest quality compressed air. In accordance with ISO 8573-1, Class 2 (Standard) and Class 1 (Optional).

Safe and Quiet. Reduced noise pollution.



Wall-Mounting Brackets



TECHNICAL SPECIFICATIONS

Standard Model	Capacity		Connection	Weight		Dimensions					
						Width		Length		Height	
	scfm	Nm³/h	NPT	lbs	kg	in	mm	in	mm	in	mm
MAD 3	3	4	½" NPT	38	17	13	320	13	336	22	558
MAD 5	4	7	½" NPT	42	19	13	320	13	320	25	633
MAD 10	9	14	½" NPT	60	27	13	320	13	320	36	908
MAD 15	13	21	½" NPT	68	31	15	370	14	350	32	808
MAD 20	18	20	½" NPT	93	42	15	370	14	350	44	1108
MAD 25	22	36	½" NPT	106	48	15	370	14	350	50	1258
MAD 30	27	43	½" NPT	119	54	15	370	14	350	59	1508
MAD 40	36	57	1 ½" NPT	157	71	16	410	20	495	49	1250
MAD 45	44	71	1 ½" NPT	172	78	16	410	20	495	55	1400
MAD 55	53	86	1 ½" NPT	203	92	16	410	20	495	69	1750
MAD 70	67	107	1 ½" NPT	265	120	17	430	25	622	51	1300
MAD 90	89	143	1 ½" NPT	293	133	17	430	25	622	57	1450
MAD 110	107	172	1 ½" NPT	335	152	17	430	25	622	69	1750
MAD 160	160	257	1 ½" NPT	410	186	16	410	29	734	59	1499
MAD 215	213	343	1 ½" NPT	518	235	16	410	35	889	59	1497

Pressure Dewpoint	Nominal Inlet Temperature	Nominal Working Pressure	Maximum Inlet Temperature	Maximum Working Pressure	Maximum Ambient Temperature	Voltage
-40°F (-40°C) [-100°F (-70°C) option]	100°F (37.8°C)	100 psi (7 bar)	122°F (50°C)	232 psi (16 bar)	122°F (50°C)	115-240V/ IPH/50-60H



CORRECTION FACTORS

Max Operating Pressure		Factor 1
psi	bar	
65	4.5	0.69
72	5	0.75
87	6	0.88
100	7	1
116	8	1.12
130	9	1.25
145	10	1.37
160	11	1.5
174	12	1.62
188	13	1.74
203	14	1.87
218	15	1.99
232	16	2.11

Inlet Temperature		Factor 2
°F	°C	
68	20	1.12
77	25	1.12
86	30	1.12
95	35	1.12
100	40	1.00
113	45	0.82
122	50	0.66

PLC Monitor and Easy Access Maintenance

Easy to install and easy to use.

The simple digital display tells you what you need to know.



CHOOSING THE RIGHT DRYER MODEL

EXAMPLE

Air compressor specifications

- Compressor Capacity:
120 scfm
- Max Operating Pressure:
87 psi (6 bar)
- Inlet Temperature:
113 °F

Plug the correct values into the **FORMULA** below using your present compressor specifications and the correct **FACTORS** from the chart above.

Use the **New Capacity** and round up to next size dryer. Refer to the chart on the opposite page to determine the correct dryer model.

FORMULA

$$\text{Compressor Capacity} \div \text{Factor 1} \div \text{Factor 2} = \text{New Capacity}$$

$$120 \div 0.88 \div 0.82 = 166 \text{ scfm}$$

The correct model would be the **MAD 215**.

WARRANTIES, OPTIONS AND PARTS

WARRANTY

All Xebec dryers are under warranty for two (2) years except for the following components: electrical, activated alumina, and mufflers

OPTIONS

Autodew Dewpoint Monitor Provides reliable, compact, continuous performance monitoring with alarms, etc. Can be configured for remote control monitoring

Xebec's X-Series Pre- & After-Filters Designed to give you the cleanest, driest air possible

Low Dewpoint -100°F / -70°C dewpoint

REPLACEMENTS AND SPARES

Xebec X-Series Elements To continue delivering superior results, elements within the filters should be replaced annually

Angle Body Piston Valves

Activated Alumina Desiccant Ours boasts a high crush strength with a superior surface/volume ratio



XSERIES



Global Leader in Adsorption Technology

CLEAN, DRY, RELIABLE COMPRESSED AIR.

It's essential for industry today. It takes the right dryer to properly treat your compressed air:

To maintain efficient and cost effective production

To reliably optimize process quality

To comply with ever stricter legislation

Air and gas purification have been at the core of Xebec adsorption technology since 1967. We have built, installed and continue to service over 9000 dryers worldwide.

From standard to custom solutions, we have the knowledge and expertise that comes with 50+ years of experience.

Innovation and service fuels our growth - by strengthening and broadening our range of products, applications and technology, we continually respond to cleaner, more sustainable, and more energy-efficient needs.

Choose a Xebec dryer or compressed air filter with confidence. You are buying high quality treatment products that will enhance your entire air compressor system.





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FSXSOLUTIONS

Xebec provides superior filtration solutions, ensuring quality, reliability, and complete customer satisfaction

AMXSOLUTIONS

Xebec aftermarket solutions include replacement and spare parts, and service

Custom service/maintenance contracts

Desiccants

Elements, probes, drains, hygrometers

Training
