Future-proof compressed air dryers

Maximize system efficiency and streamline your operations

omi-italy.it

Company profile

OMI is a global company present in over 56 countries with a **wide network of capillary distribution** and a range of products that can be adapted to the most diverse applications on the market. Through our avant-garde centre of research and development, we develop innovative projects customized and turnkey that in addition to meeting the more diverse customer needs is direct the market towards new solutions.

We aim to be the market benchmark by offering **innovative, efficient and customized solutions for compressed air treatment** and industrial refrigeration. We focus on quality and performances of our products, enhancing the talent, the passion and our team experience.

Design and manufacturing high quality and high efficiency products to satisfy our customers and to make them more competitive on the market, applying innovative technologies, deploying the culture of safety, caring about the environment and **providing excellent support during the entire life cycle of the product.**

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OMI Compressed Air Dryers

OMI emerges as a leading innovator in compressed air treatment, distinguished by its exceptional technology including **unique, patented design features** that set us apart from competition. Catering to industries like automotive, textile, printing, and pharmaceutical, OMI's systems are pivotal in processes like pneumatic transport of powders, high-quality sandblasting, and spray painting and wherever high quality compressed air is needed. We provide compressed air OEMs and distributors with unparalleled support and a **wide range of products that deliver multiple benefits** to them and their customers:

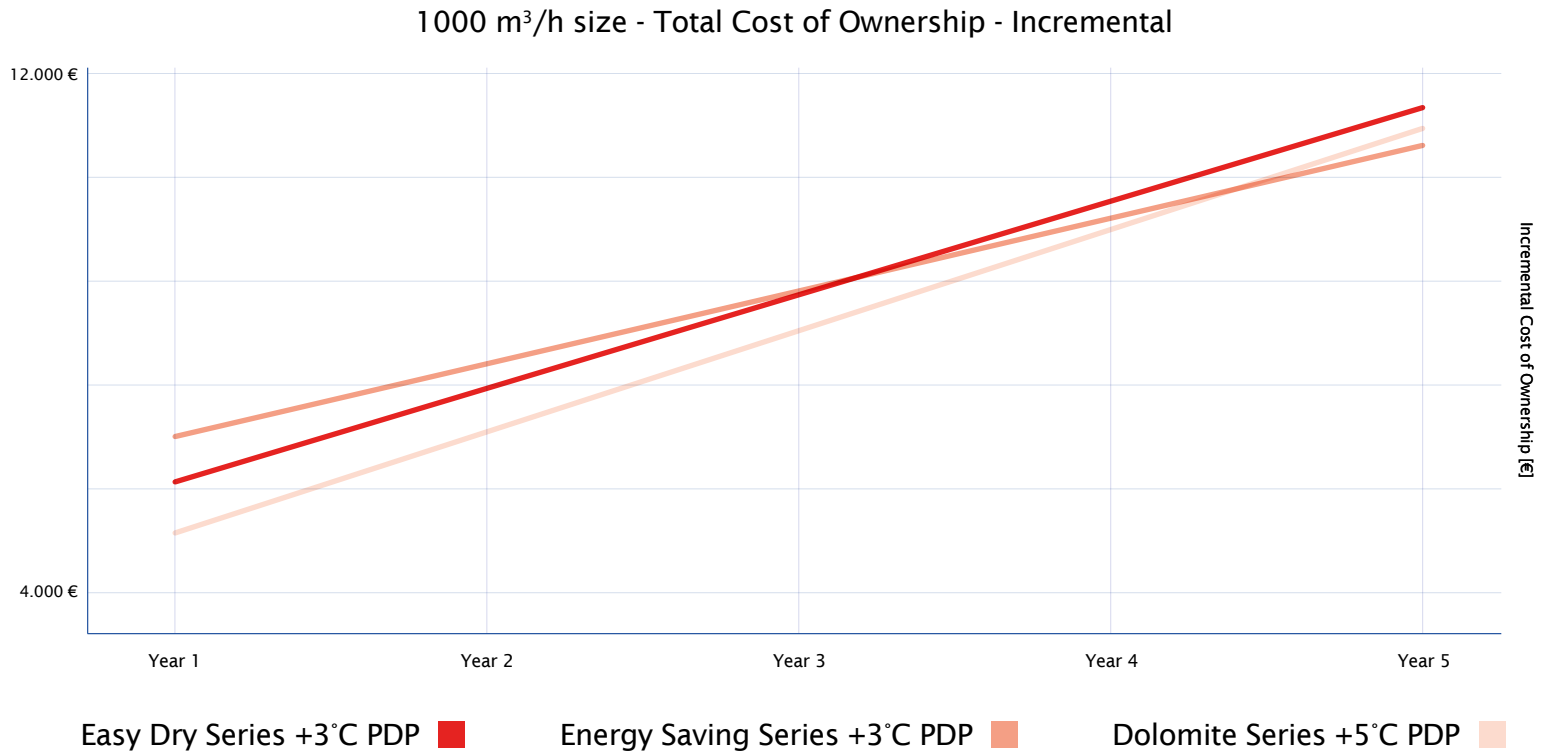
- Energy-efficient
- Environmentally friendly refrigerants (R513A and R407C)
- Certified ISO-9001

- Industry 4.0 Ready
- Optimized Cost of Ownership
- User-friendly solutions

Request a Quote

Air Dryers Overview

At OMI we pay close attention to your unique requirements and we're able to help you choose the best solution to satisfy your needs. Our broad product range ensures that different approaches can be applied, either minimizing the initial investment or optimizing the Total Cost of Ownership.



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Energy Cost: 0,2 €/kWh	Working Hours per Year: 3200 h/year	Air Inlet PDP Temp. @7bar: 35ºC	Air Pressure: 7 bar

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Refrigerated Air Dryers

OMI Refrigerated air dryers are the trusted choice for industries that demand clean, dry, and reliable compressed air. With a wide range of products designed for various applications, OMI ensures energy efficiency, reliability, and optimal air quality. Our refrigerated compressed air dryers feature unique design solutions and energy saving functions and systems, making us the market leader and setting us apart from competition. Handling airflow rates up to 24000 m³/h and featuring ISO Class 3 & 4 water content, OMI refrigerated compressed air dryers are a perfect choice for a wide range of applications. Delivering dry, clean air to you and your customers, OMI dryers help prevent corrosion and compressed air systems' costly downtime and ensure maximum end product quality. Particularly recommended for:

- Machinery manufacturing
- Pneumatic
- Water jet painting
- Textile
- Painting
- Pharma
- Chemical
- PET

Request a Quote

Low purchase cost

Easy maintenance

Class 5 Dew Point

Environmentally friendly refrigerants (R513A and R407C)

Dolomite Dryers Overview

The Dolomite Dryers Series (DD series) offers **airflow range expansion up to 1300 m³/h and a guaranteed Class 5 Dew Point.**

Cost-effectiveness is a key strength of the DD series, characterized by a **lower purchase price and reduced power consumption**, thanks to new, more energy-efficient heat exchangers. Additionally, the optional No-Loss Drain feature minimizes compressed air losses, further amplifying profitability.

With options like customized painting, marine painting, and a 60 Hz version available, and more, the DD series caters to diverse industrial requirements. **Standard refrigerant gas R513A up to model DD 216** underscores the series' commitment to environmental responsibility.

The series shines in serviceability with its simplified maintenance approach, featuring an easily removable frame. For those seeking advanced control, the optional Modbus RS485 interface allows for remote dryer management and monitoring, showcasing the series' adaptability to modern industrial needs.

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Dolomite Dryers Specifications

Models range and performances

Weight and dimensions

Applications

CLICK

Model	Code	Connections	Flow rate			Nominal power consumption	ISO8573-1:2010 Classification
		BSP	m³/h	l/min	CFM	kW	
DD36	08F.0036CG0	⅜"	36	600	21,2	0,12	Water content Class 5
DD54	08F.0054CG0	½"	54	900	31,8	0,17	
DD72	08F.0072CG0		72	1200	42,4	0,17	
DD108	08F.0108CG0		108	1800	63,6	0,29	
DD144	08F.0144CG0	¾"	144	2400	84,8	0,41	
DD180	08F.0180CG0		180	3000	105,9	0,47	
DD216	08F.0216CG0		216	3600	127,1	0,61	
DD280	08F.0280BG0	1"	280	4667	164,8	0,60	
DD340	08F.0340BG0		340	5667	200,1	0,60	
DD500	08F.0500AG0	1" ½	500	8333	294,3	0,90	
DD610	08F.0610AG0		610	10167	359,0	0,90	
DD750	08F.0750.G0	2"	750	12500	441,4	1,23	
DD1000	08F.1000.G0	2" ½	1000	16667	588,6	1,43	
DD1300	08F.1300.G0		1300	21667	765,2	2,14	

Performances refer to air suction of FAD 20°C (68°F), 1 bar (14.5 psig), and the following operating conditions: 7 bar (100 psig) working pressure, 7°C (44.5°F) pressure dewpoint, 25°C (77°F) ambient temperature, 35°C (95°F) compressed air inlet temperature. NPT connections are available on request.

Contact us to obtain the newest datasheets and more information about options, correction factors and suggested filtration.

Request a Quote

Wide performance range

High reliability

Class 4 Dew Point

Environmentally friendly refrigerants (R513A)

Easy Dry Dryers Overview

The Easy Dryers (ED series) revolutionize industrial air drying with a vast **airflow capacity ranging up to 24,000 m³/h**, ensuring superior air quality and a consistent **dew point class 4**. This series champions energy efficiency, dramatically reducing end-users' operating costs and featuring a compact design that maximizes space efficiency. These dryers are synonymous with reliability and versatility, catering to a broad spectrum of industries from manufacturing to automotive.

The ED series apart also features the ecological refrigerant gas R513A and a optional no-loss "smart drain" system, enhancing both performance and sustainability. **The user-friendly control panels offer advanced features such as anti-freeze mode and comprehensive alarm systems**, ensuring ease of use and maintenance. With their reduced footprint, **up to 40% smaller than previous models**, and the promise of consistent performance meeting ISO 8573-1 standards, the Easy Dryers range is not just an investment in efficiency, but a commitment to quality and innovation.

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Easy Dryers
Specifications

Models range and performances 1

Models range and performances 2

Models range and performances 3

Weight and dimensions 1

Weight and dimensions 2

Applications

Contact us to obtain the newest datasheets and more information about options, correction factors and suggested filtration.

Air Cooled Models
No-Loss Drain

Model	Code	Connections	Flow rate			Nominal power consumption	ISO8573-1:2010 Classification
		BSP	m³/h	l/min	CFM	kW	
ED 54	08L.0054BG0.00B1QK	½"	54	900	32	0,21	Water content: class 4 Dewpoint °C: 3 / °F: 37,4
ED 72	08L.0072BG0.00B1QK		72	1200	42	0,24	
ED 108	08L.0108BG0.00B1QK	¾"	108	1800	64	0,47	
ED 144	08L.0144BG0.00B1QK		144	2400	85	0,63	
ED 180	08L.0180BG0.00B1QK		180	3000	106	0,68	
ED 225	08L.0225DG0.00B1QK	1"	225	3750	132	1,14	
ED 260	08L.0260DG0.00B1QK		260	4333	153	1,14	
ED 300	08L.0300DG0.00B1QK	1"½	300	5000	177	0,92	
ED 360	08L.0360DG0.00B1QK		360	6000	212	0,92	
ED 480	08L.0480DG0.00B1QK		480	8000	283	1,26	
ED 600	08L.0600DG0.00B1QK	2"	600	10000	353	1,26	
ED 780	08L.0780DG0.00B1QK		780	13000	459	3,42	
ED 1000	08L.1000DG0.00B1QK		1000	16667	589	3,42	
ED 1500	08L.1500DG0.00BGQK	3"	1500	25000	883	5,22	
ED 1800	08L.1800DG0.00BGQK		1800	30000	1059	5,22	
ED 2250	08L.2250DG0.00BGQK		2250	37500	1324	7,13	
ED 2600	08L.2600DG0.00BGQK		2600	43333	1530	7,13	
ED 3200	08L.3200DG0.00BGQK	DN150 PN16	3200	53333	1883	10,76	
ED 4200	08L.4200DG0.00BGQK		4200	70000	2472	11,29	
ED 4800	08L.4800DG0.00BGQK		4800	80000	2825	11,29	
ED 5300	08L.5300DG0.00BGQK		5300	88333	3119	17,86	
ED 6000	08L.6000DG0.00BGQK		6000	100000	3531	17,86	
ED 8800	08L.8800DG0.00BGQK	DN200 PN16	8800	146667	5179	22,1	
ED 10000	08L.A100DG0.00BGQK		10000	166667	5886	26,93	
ED 12000	08L.A120DG0.00BGQK		12000	200000	7063	26,93	
ED 17600	08L.A176DG0.00BGQK	2 x DN200 PN16	17600	293333	10359	44,2	
ED 20000	08L.A200DG0.00BGQK		20000	333333	11772	53,86	
ED 24000	08L.A240DG0.00BGQK		24000	400000	14126	53,86	

60 Hz versions available. Performances refer to air suction of FAD 20°C (68°F), 1 bar (14.5 psig), and the following operating conditions: 7 bar (100 psig) working pressure, 3°C (37,4°F) pressure dewpoint, 25°C (77°F) ambient temperature, 35°C (95°F) compressed air inlet temperature. NPT/ANSI connections are available on request.

Energy-efficient

Partial load operation

User-friendly

Class 4 Dew Point

Environmentally friendly refrigerants (R513A)

Energy Saving Dryers Overview

The Energy Saving Dryers (ESD series) are at the forefront of drying technology, distinguished by their **innovative three-circuit heat exchanger** that synergizes refrigerant, glycol, and compressed air. This unique configuration enables the ESD dryers to maintain **optimal efficiency across a 0 to 100% load range**, delivering a remarkable reduction in operating costs by up to 90%. Tailored for applications with variable or intermittent air demand, these dryers also feature an intelligent display for real-time monitoring of energy savings and historical data.

The ESD series utilizes eco-friendly refrigerant gas R513A. This, coupled with features such as an **automatic shut-off of the refrigerant compressor during low load periods**, substantially minimizes energy waste and improves environmental compliance. These dryers boast features such as self-regulation, plug-and-play installation, and compatibility with Industry 4.0 standards for remote management, making them a user-favorite.

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Energy Saving Dryers Specifications

Models range and performances

Weight and dimensions

Applications

CLICK

Model	Code	Connections	Flow rate			Nominal power consumption	ISO8573-1:2010 Classification
		BSP	m³/h	l/min	CFM	kW	
ESD 54	08S.0054AG0	½"	54	900	32	0,24	
ESD 72	08S.0072AG0		72	1.200	42	0,32	
ESD 108	08S.0108AG0	¾"	108	1.800	64	0,45	
ESD 144	08S.0144AG0		144	2.400	85	0,51	
ESD 180	08S.0180AG0	1"	180	3.000	106	0,54	
ESD 240	08S.0240.G0		240	4.000	141	0,85	
ESD 300	08S.0300.G0	1"½	300	5.000	177	0,65	
ESD 360	08S.0360.G0		360	6.000	212	0,78	
ESD 480	08S.0480.G0		480	8.000	283	0,84	
ESD 660	08S.0660.G0	2"	660	11.000	388	1,05	
ESD 780	08S.0780.G0		780	13.000	459	1,62	
ESD 1000	08S.1000.G0		1.000	16.667	589	2,07	
ESD 1500	08S.1500AG0	3"	1.500	25.000	883	2,68	
ESD 1800	08S.1800AG0		1.800	30.000	1.059	3,22	
ESD 2250	08S.2250AG0		2.250	37.500	1.324	3,74	
ESD 2600	08S.2600AG0		2.600	43.333	1.530	4,32	
ESD 3200	08S.3200BG0	DN 150	3.200	53.333	1 883	6,68	
ESD 4200	08S.4200BG0		4.200	70.000	2.472	6,80	
ESD 4800	08S.4800BG0		4.800	80.000	2.825	7,18	
ESD 5300	08S.5300.G0		5.300	88.333	3.119	11,27	
ESD 6000	08S.6000.G0		6.000	100.000	3.531	12,15	

Water content: class 4

Dewpoint	
°C	°F
3	37,4

Performances refer to air suction of FAD 20°C (68°F), 1 bar (14.5 psig), and the following operating conditions: 7 bar (100 psig) working pressure, 3°C (37,4°F) pressure dewpoint, 25°C (77°F) ambient temperature, 35°C (95°F) compressed air inlet temperature. NPT/ANSI connections are available on request.

Contact us to obtain the newest datasheets and more information about options, correction factors and suggested filtration.

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High Temperature Dryers Overview

The High Temperature Dryers (HTD series) from OMI redefine the approach to handling high-temperature compressed air. Designed to **efficiently manage air pre-cooled to near-ambient temperatures**, this series stands out for its ability to **lower installation costs and overcome sizing challenges commonly associated with systems requiring multiple components**. By integrating functions such as pre-cooling, separation, and drying into one package, the HTD series significantly reduces system pressure drops and running costs, offering a more streamlined and cost-effective solution.

Key to the HTD series is its innovative feature set, including an aftercooler **capable of handling inlet temperatures up to 90˚C** and a highly effective particle prefilter/separator. This combination ensures the removal of both liquid and solid contaminants, delivering **exceptionally clean and high-quality compressed air**. Additionally, the series boasts energy-saving features like an Auto-sleep mode that activates during zero-load conditions and an environmentally friendly R513A refrigerant.

High temperature operation

Optimized package

Class 4 Dew Point

Environmentally friendly refrigerants (R513A and R407C)

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High Temperature Dryers Specifications

Models range and performances

Weight and dimensions

Applications

CLICK

Model	Code	Connections	Flow rate			Nominal power consumption	ISO8573-1:2010 Classification
		BSP	m³/h	l/min	CFM	kW	
HTD 35	08C.0035CG0	½"	35	583	21	0,16	Water content: class 4
HTD 50	08C.0050CG0		50	833	29	0,28	
HTD 70	08C.0070CG0		70	1167	41	0,41	Dewpoint
HTD 102	08C.0102CG0	¾"	102	1700	60	0,41	°C: 3 / °F: 37,4
HTD 140	08C.0140CG0		140	2333	82	0,5	
HTD 170	08C.0170CG0		170	2833	100	0,61	

Performances refer to air suction of FAD 20°C (68°F), 1 bar (14.5 psig), and the following operating conditions: 7 bar (100 psig) working pressure, 3°C (37.4°F) pressure dewpoint, 25°C (77°F) ambient temperature, 60°C (140°F) compressed air inlet temperature. NPT connections are available on request.

Contact us to obtain the newest datasheets and more information about options, correction factors and suggested filtration.

Request a Quote

High Pressure Dryers Overview

The High Pressure (HP) series covers uniform **airflow rates up to 1200 m³/h for high-pressure applications up to 45 barg**. This series is particularly **suited for blow molding for PET container and bottling production, water jet cutting, aeronautical valves, and other specialized uses.**

The HP series stands out for its guarantee of a **+3°C dew point**, ensuring maximum reliability and optimal air quality for sensitive processes. A key innovation in this series is the new heat exchanger design, which is more compact and efficient than previous models, enhancing performance and energy efficiency. Safety is also a paramount feature of the HP series, with all models equipped with a **safety valve** that activates in case of direct contamination between refrigerant gas and compressed air.

Class 4 Dew Point

Up to 45 barg pressure

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High Pressure Dryers Specifications

Models range and performances

Weight and dimensions

Applications

CLICK

Model	Code	Connections	Flow rate			Nominal power consumption	ISO8573-1:2010 Classification
		BSP	m³/h	l/min	CFM	kW	
ED 88 HP	08N.0088BG0	½"	88	1.470	52	0,17	Water content: class 4
ED 108 HP	08N.0108BG0		108	1.800	64	0,17	
ED 180 HP	08N.0180BG0		180	3000	106	0,41	
ED 225 HP	08N.0225BG0		225	3750	132	0,41	
ED 270 HP	08N.0270BG0		270	4500	159	0,55	
ED 360 HP	08N.0360BG0		360	6000	212	0,81	
ED 480 HP	08N.0480BG0	1" ¼	480	8000	283	0,90	
ED 660 HP	08N.0660BG0		660	11000	389	1,23	
ED 990 HP	08N.0990BG0		990	16500	583	1,23	
ED 1200 HP	08N.1200BG0		1200	20000	706	1,43	

Dewpoint	
°C	°F
3	37,4

Performances refer to air suction of FAD 20°C (68°F), 1 bar (14.5 psig), and the following operating conditions: 40 bar (580 psig) working pressure, 3°C (37.4°F) pressure dewpoint, 25°C (77°F) ambient temperature, 35°C (95°F) compressed air inlet temperature.

Contact us to obtain the newest datasheets and more information about options, correction factors and suggested filtration.

Request a Quote

Energy-efficient

Easy installation

Class 3 Dew Point

Zero purge air

Sub Freezing Dryers Overview

The Sub Freezing Dryers (SFD) series stands out in the air treatment market as **the only -20˚C (PDP) refrigerant dryer available**, while offering airflow rates of up to **1600 m³/h**. This series blends the best of both worlds: the low operational and energy costs of a refrigerant dryer with the subfreezing PDP of traditional regenerative adsorption dryers. This innovative approach **significantly reduces the total cost of ownership**. The SFD dryer delivers **high air quality, meeting Class 3 ISO 8573-1 standards**, and is particularly effective in environments where equipment is exposed to subfreezing temperatures. Its **patented heat exchanger** with a double cooling chamber ensures this high performance while keeping functioning and energy costs low.

What sets the SFD series apart is its **no purge air requirement for regeneration**, which drastically improves energy efficiency and reduces the need for high-maintenance equipment. This feature, coupled with the absence of costly consumables like desiccant media, translates to lower maintenance costs. The SFD dryer is easy to install, requiring **40% less footprint than comparable adsorbing dryers** and is fully compatible with all types of compressors, eliminating the need for expensive modifications.

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Sub Freezing Dryers Specifications

Models range and performances

Weight and dimensions

Applications

CLICK

Model	Code	Connections	Flow rate			Nominal power consumption	ISO8573-1:2010 Classification
		BSP	m³/h	l/min	CFM	kW	
SFD 360	08K.0360.G0	1" ½	360	6.000	212	1,46	Water content: class 3
SFD 420	08K.0420.G0		420	7.000	247	1,78	Dewpoint
SFD 1600	08K.1600.G0	3"	1600	26.667	942	5,75	°C: -20 / °F: -4

Performances refer to air suction of FAD 20°C (68°F), 1 bar (14.5 psig), and the following operating conditions: 7 bar (100 psig) working pressure, -20°C (-4°F) pressure dewpoint, 25°C (77°F) ambient temperature, 35°C (95°F) compressed air inlet temperature.

Contact us to obtain the newest datasheets and more information about options, correction factors and suggested filtration.

Request a Quote

Adsorption Air Dryers Overview

OMI adsorption compressed air dryers offer advanced desiccant technology for superior moisture removal, ensuring dry, clean air for optimal pneumatic system performance. Tailored for energy efficiency, these dryers feature smart control systems that reduce operational costs as well as other energy-saving features. Handling airflow rates up to 14900 m³/h and featuring ISO Class 1 & 2 water content and stable dew points down to -70˚C , they cater to various flow rates and pressure needs, ensuring a perfect fit for any industrial application. Their design not only promises enhanced air quality and reliability but also significant long-term savings and reduced environmental impact, delivering unmatched value to you and your customers. Particularly recommended for:

- Automotive
- Micro-electronics, semiconductors
- Textile
- Painting
- Pharma
- Chemical, petrochemical

Request a Quote

High reliability | Flexible solution | Easy maintenance | Modularity | Class 1 & 2 Dew Point

Karst Modular Dryers Overview

The Karst Modular Dryers (KMD) series covers a broad range of needs with models offering **extended pressure ranges up to 14 barg and airflow coverage up to 300 m³/h**. Constructed with robust extruded aluminum and equipped with NEMA 3/IP54 Protection, these dryers are perfectly suited for both indoor and outdoor use. The series stands out for its **Point Of Use design**, significantly reducing compressed air costs with a conservative pressure drop of 0.2 barg. An optional **Energy Management System (EMS)** further enhances efficiency, adjusting operations based on demand and potentially **offering a quick return on investment.**

The KMD series features a user-friendly electronic interface, quick installation, and low operational noise. Versatile installation options, including adaptable connection piping and multiple mounting choices, cater to different space requirements. Advanced features like proactive maintenance alerts and seamless integration into control systems via Modbus-Ready and RS-485 communications highlight the series' commitment to operational efficiency and reliability.

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Karst Modular Dryers Specifications

Models range and performances

Weight and dimensions

Applications

CLICK

Model	Code	Connections	Flow rate			ISO8573-1:2010 Water content	
						Class 2 Standard	Class 1 Option
		BSP	m³/h	l/min	CFM		
KMD 5	08U.0005FG.0	⅜"	5	83	3		Not available
KMD 15	08U.0015FG.0		15	250	9		
KMD 25	08U.0025FG.0		25	417	15		
KMD 40	08U.0040FG.0	¾"	40	667	24		
KMD 55	08U.0055FG.0		55	917	32	Dewpoint °C -40 / °F -40	Dewpoint °C -70 / °F -100
KMD 80	08U.0080FG.0		80	1.333	47		
KMD 120	08U.0120FG.0	1"	120	2.000	71		
KMD 160	08U.0160FG.0		160	2.667	94		
KMD 200	08U.0200FG.0	1"½	200	3333	118		
KMD 250	08U.0250FG.0		250	4167	147		
KMD 300	08U.0300FG.0		300	5000	177		

Performances refer to air suction of FAD 20°C (68°F), 1 bar (14.5 psig), and the following operating conditions: 7 bar (100 psig) working pressure, -40°C (-40°F) pressure dewpoint, 25°C (77°F) ambient temperature, 35°C (95°F) compressed air inlet temperature. NPT connections are available on request.

Contact us to obtain the newest datasheets and more information about options, correction factors and suggested filtration.

Request a Quote

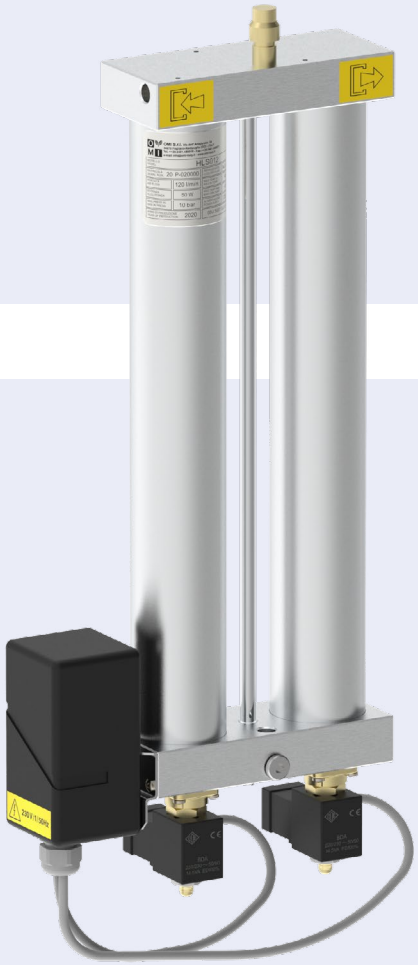
Heatless Dryers HL
Overview

The smallest range of adsorption dryers, for flow rates up to 18 m3/h. Compactness, simplicity of construction and use, make this series suitable for the requirements of small flow rates and high air quality. All the models guarantee air purity class 3 for humidity and liquid water (ISO 8573-1), while the HU0030 model guarantees class 1.

Compact

Simple design

Low maintenance



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Heatless Dryers HL
Specifications

Models range and performances

Weight and dimensions

Applications

CLICK

Model	Code	Connections	Flow rate			Dewpoint	
		BSP	m³/h	l/min	CFM	°C	°F
HL 0003	08U.0003.G.0	¼"	1,8	30	1	-20 ÷ -40	-4 ÷ -40
HL S012	08U.S007.G.0		7,0	120	4	-20 ÷ -40	-4 ÷ -40
HL R012	08U.R007.G.0		7,0	120	4	-20 ÷ -40	-4 ÷ -40
HL 0030	08U.0018.G.0		18,0	300	11	-20 ÷ -40	-4 ÷ -40
HL 0030 CLASS 1	08U.0018.GA0		7,0	117	4	-70	-94

Performances refer to air suction of FAD 20°C (68°F), 1 bar (14.5 psig), and the following operating conditions: 7 bar (100 psig) working pressure, 25°C (77°F) ambient temperature, 35°C (95°F) compressed air inlet temperature

Contact us to obtain the newest datasheets and more information about options, correction factors and suggested filtration.

Request a Quote

High performance

Easy maintenance

Class 1 Dew Point

Heatless Dryers HLA
Overview

The HLA Heatless Desiccant Dryers Series from OMI stands out for its superior air quality and efficiency, covering a **airflow range from 400 to 2000 m³/h** with a guaranteed **dew point Class 1** and 2, conforming to ISO 8573-1 standards. This series, recognized as OMI's most economical desiccant dryer option, further reduces operating costs with an optional Energy Management System (EMS) that optimizes compressed air usage and purge cycles.

HLA Dryers feature optimized, long-life valves for efficient switching and purging, and a low-profile design for simplified maintenance and lower transportation costs. Standard features include an IP54 electrical enclosure, tower pressure gauges, and a new digital controller with MODBUS RS-485 compatibility. Additionally, the series offers a range of optional enhancements like high-efficiency filters and fail-to-shift alarms for larger models. Its proactive maintenance alerts ensure consistent operation and minimal downtime.

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Heatless Dryers HLA Specifications

Models range and performances

Weight and dimensions

Applications

CLICK

Model	Code	Connections	Flow rate			ISO8573-1:2010 Water content			
						Class 2 Standard		Class 1 Option	
		BSP	m³/h	l/min	CFM	Dewpoint		Dewpoint	
						°C	°F	°C	°F
HLA 400	08U.0400GG.0	1"½	400	6.667	235	-40	-40	-70	-100
HLA 500	08U.0500GG.0		500	8.333	294				
HLA 750	08U.0750GG.0	2"	750	12.500	441				
HLA 900	08U.0900GG.0		900	15.000	529				
HLA 1200	08U.1200GG.0	2"½	1200	20.000	706				
HLA 1500	08U.1500GG.0		1500	25.000	882				
HLA 2000	08U.2000GG.0		2000	33333	1176				

Performances refer to air suction of FAD 20°C (68°F), 1 bar (14.5 psig), and the following operating conditions: 7 bar (100 psig) working pressure, -40°C (-40°F) pressure dewpoint, 25°C (77°F) ambient temperature, 35°C (95°F) compressed air inlet temperature. NPT connections are available on request.

Contact us to obtain the newest datasheets and more information about options, correction factors and suggested filtration.

Request a Quote

High reliability

Versatility

Class 1 & 2 Dew Point

Zero purge air

Heatless Dryers HLA PRO Overview

The HLA PRO Heatless Desiccant Dryers Series from OMI marks a significant advancement in air drying technology, offering a broad range of 16 models covering **airflows from 160 to 8500 m³/h**. This series ensures top-tier air quality, meeting **dew point Class 1 and 2** standards as per ISO 8573-1, particularly when used with OMI filters. It features a new, precise pneumatic valve sequencing controller and an easy-to-use system controller with a backlit display, enhancing operational reliability. The series is also Industry 4.0 ready, with Modbus external communication capabilities via RS-485 port, making it a future-proof investment for various industrial applications.

Designed for cost efficiency, the HLA PRO series reduces compressed air costs with the optional Energy Management System (EMS) and features a Compressor Interlock Function that minimizes purge requirements based on air demand. Its low-profile, space-saving design, combined with rear-mounted manifolds for easy access to critical components, and new long-life valves, ensures ease of maintenance and service.

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Heatless Dryers HLA PRO Specifications

Models range and performances

Weight and dimensions

Applications

CLICK

Model	Code	Connections	Flow rate			ISO8573-1:2010 Water content	
						Class 2 Standard	Class 1 Option
		BSP	m³/h	l/min	CFM		
HLA 160 Pro	08U.0160EG.0	1"	160	2.667	94		
HLA 200 Pro	08U.0200EG.0		200	3.333	118		
HLA 275 Pro	08U.0275EG.0	1" ½	275	4.590	162		
HLA 350 Pro	08U.0350EG.0		350	5.840	206		
HLA 500 Pro	08U.0500EG.0	2"	500	8.333	294		
HLA 700 Pro	08U.0700EG.0		700	11.670	412		
HLA 900 Pro	08U.0900EG.0		900	15.000	530		
HLA 1000 Pro	08U.1000EG.0		1000	16667	589		
HLA 1600 Pro	08U.1600EG.0	3"	1600	26667	942		
HLA 2000 Pro	08U.2000EG.0		2000	33333	1177		
HLA 2500 Pro	08U.2500EG.0	DN 100	2500	41660	1471		
HLA 3300 Pro	08U.3300EG.0		3300	55000	1942		
HLA 4600 Pro	08U.4600EG.0		4600	76667	2707		
HLA 5600 Pro	08U.5600EG.0	DN 150	5600	93333	3296		
HLA 6800 Pro	08U.6800EG.0		6800	113333	4002		
HLA 8500 Pro	08U.8500EG.0		8500	141667	5003		

Dewpoint	
°C	°F
-40	-40

Dewpoint	
°C	°F
-70	-100

Performances refer to air suction of FAD 20°C (68°F), 1 bar (14.5 psig), and the following operating conditions: 7 bar (100 psig) working pressure, -40°C (-40°F) pressure dewpoint, 25°C (77°F) ambient temperature, 35°C (95°F) compressed air inlet temperature. NPT connections are available on request.

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Request a Quote

Versatility

Class 1 & 2 Dew Point

Zero purge air

Heated Blower Dryers
HBA Overview

The heated blower desiccant dryers series HBA offers **airflow rates up to 14.900 m³/h and guarantees dry air at -40°C, without any consumption of compressed air**. This technology uses an innovative blower which draws ambient air, which is subsequently warmed up by a heater and sent to the column to regenerate the adsorbent material. Then, the reverse blower produces a counter airflow to effectively cool down the desiccant media inside the column. This technology allows to reduce to zero the air consumption related to the cooling sweep. Heated blower dryers requires a greatest initial capital investment and a greater expense for electricity, but it **guarantees a complete reduction in the consumption of compressed air**, which in many applications makes it more competitive with respect to heatless technology.

Request a Quote

Heated Blower Dryers HBA Specifications

Models range and performances

Weight and dimensions

Applications

CLICK

Model	Code	Connections	Flow rate			Nominal power consumption	ISO8573-1:2010 Classification
		BSP	m³/h	l/min	CFM	kW	
HBA 500	08V.0500HGB0	2”	500	8333	294	5	Water content: class 2 Dewpoint °C: -40 °F: -40
HBA 900	08V.0900HGB0		900	15000	530	10	
HBA 1100	08V.1100HGB0	3”	1100	18333	647	10	
HBA 1400	08V.1400HGB0		1400	23333	824	16	
HBA 1800	08V.1800HGB0		1800	30000	1060	20	
HBA 2200	08V.2200HGB0		2220	36667	1295	23	
HBA 2600	08V.2600HGB0		2600	43333	1531	27	
HBA 3200	08V.3200HGB0	DN 100	3200	53333	1884	31	
HBA 3900	08V.3900HGB0		3900	65000	2296	40	
HBA 4500	08V.4500HGB0	DN 150	4500	75000	2648	40	
HBA 5300	08V.5300HGB0		5300	88333	3120	54	
HBA 7000	08V.7000HGB0		7000	116667	4121	77	
HBA 9300	08V.9300HGB0		9300	155000	5475	91	
HBA 10600	08V.A106HGB0		10600	176667	6241	113	
HBA 14900	08V.A149HGB0	DN 200	14900	248333	8772	161	

Performances refer to air suction of FAD 20°C (68°F), 1 bar (14.5 psig), and the following operating conditions: 7 bar (100 psig) working pressure, -40°C (-40°F) pressure dewpoint, 25°C (77°F) ambient temperature, 35°C (95°F) compressed air inlet temperature. ANSI flanges are available on request.

Contact us to obtain the newest datasheets and more information about options, correction factors and suggested filtration.

Request a Quote

Filter models
Overview

F-SERIES
Air flow rate from 33m³/h to 31000 m³/h

LEARN MORE

ALPS SERIES
Air flow rate from 30 m³/h to 2700 m³/h

LEARN MORE

F-HD SERIES
Air flow rate from 108 m³/h to 31000 m³/h

LEARN MORE

Filtration Guide

Filtration grades		ISO 8573-1 Max solid dimension intercepted		ISO 8573-1 Max oil concentration (included steam)	
		µm	Class	mg/m³	Class
QF	Pre-filter suitable for the removal of solid particles. The strong mechanical resistance makes this filter the ideal initial protection of a compressed air system to retain impurities.	1	3	-	-
PF	Interception type filters suitable for solid and oil particles. These filters, by means of the impact, interception and coalescing principles, compel the submicronic liquid particles, which from the inside strain through the element, to collide and thus become larger micro droplets, which will drip to the bottom of the filter housing.	0,1	2	0,1	2
HF		0,01	1	0,01	1
CF	The activated carbon filter through the adsorption process attracts all odors and vapors left after desoiling and keep them on the surface of the activated carbon grain molecules. The element is made by thick activated carbon layer covered by fiber coating kept in place by an inside and outside stainless steel wall.	-	-	0,003	1

Other Equipment

Aftercoolers

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Oil-Water Separators

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Condensate Drains

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Piping

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Condensate Separators

LEARN MORE

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Service Support & Distribution Network

At OMI, our commitment to our customers extends far beyond the initial purchase. We pride ourselves on providing unwavering support throughout the entire lifetime of our equipment, ensuring that our clients always have the assistance they need to keep their operations running smoothly.

In our quest to deliver timely and efficient support, OMI has fostered close collaborations with a broad network of trusted distribution centers. This strategic alliance allows us to offer shorter lead times and the added benefit of local support, ensuring that our customers receive prompt and personalized assistance.

Furthermore, the quality and integrity of our products are of paramount importance to us. Every piece of equipment from OMI is meticulously crafted using original parts. This not only ensures the longevity and reliability of our products but also translates to optimum spare parts and service availability. With OMI, customers can be confident in the knowledge that they have a partner dedicated to their long-term success.

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With a global footprint spanning over 56 countries, OMI stands as a leader in compressed air treatment and industrial refrigeration. Our cutting-edge research center crafts tailored solutions, meeting diverse market demands. Our commitment to quality, safety, and environmental stewardship is unwavering. Producing over 25,000 machines annually, we're a testament to innovation and excellence.

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