

Modular Desiccant Air Dryers

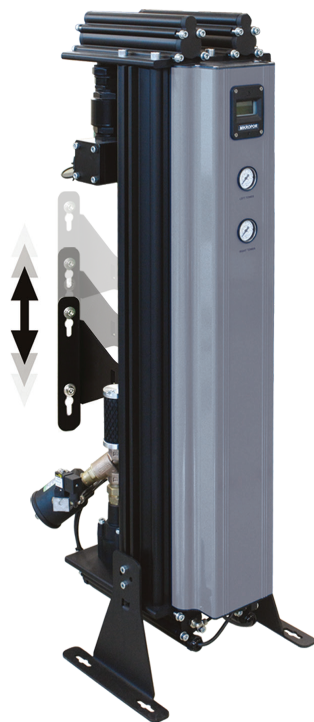
HMD Series

HMD 3 / 5 / 10 / 15 / 20 / 25 / 30 / 40 / 50 / 60 / 75 / 100 / 120 / 180 / 240

hertz[®]
KOMPRESSOREN

HERTZ MODULAR HMD DESICCANT AIR DRYERS

The new Modular Desiccant Dryers combine proven traditional dryer principles with the latest technology to provide unsurpassed efficiency, flexibility and world-renowned Hertz reliability for your critical dry air applications.



- - 40 °C dew point temperate (- 70 °C optional)
- Capacity range: 5 m³/h- 400 m³/h
- Low pressure drop
- Small footprint, lightWeight, advanced compact design
- Corrosion protected aluminum construction
- Hassle-free, reliable electronic controls
- Can be floor, bench or wall mounted
- Quite enough to be placed in any work environment
- Easy installation, easy maintenance
- Included pre, fine, particle compressed air filters

COMPACT DESIGN

The light Weight modular design of the new dryer series brings a whole new concept in compressed air technology, offering total installation flexibility to meet specific needs. Hertz's new Modular Desiccant Dryers are less than the half the Weight and size of a traditional twin tower design, allowing even the largest models to be easily moved through a standard doorway.

HMD Series

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SPECIFICATIONS



MODEL	Capacity*		Connection Size	Voltage	Maximum Working Pressure	Included Filter and Type	Dimensions (mm)			Weight
	m ³ /min	cfm					Length	Width	Height	
HMD 3	0,08	3	G 1/2"	230V/1/50/60Hz	16	HGKO 20 MX+MY+MP	336	320	558	17
HMD 5	0,17	6	G 1/2"	230V/1/50/60Hz	16	HGKO 20 MX+MY+MP	320	320	633	19
HMD 10	0,33	12	G 1/2"	230V/1/50/60Hz	16	HGKO 20 MX+MY+MP	320	320	908	27
HMD 15	0,42	15	G 1/2"	230V/1/50/60Hz	16	HGKO 25 MX+MY+MP	350	370	808	31
HMD 20	0,58	21	G 1/2"	230V/1/50/60Hz	16	HGKO 50 MX+MY+MP	350	370	1108	42
HMD 25	0,75	26	G 1/2"	230V/1/50/60Hz	16	HGKO 50 MX+MY+MP	350	370	1258	48
HMD 30	0,83	29	G 1/2"	230V/1/50/60Hz	16	HGKO 50 MX+MY+MP	350	370	1508	54
HMD 40	1,17	41	G 1 1/2"	230V/1/50/60Hz	16	HGKO 100 MX+MY+MP	495	410	1250	71
HMD 50	1,42	50	G 1 1/2"	230V/1/50/60Hz	16	HGKO 100 MX+MY+MP	495	410	1400	78
HMD 60	1,67	59	G 1 1/2"	230V/1/50/60Hz	16	HGKO 100 MX+MY+MP	495	410	1750	92
HMD 75	2,17	77	G 1 1/2"	230V/1/50/60Hz	16	HGKO 150 MX+MY+MP	622	430	1300	120
HMD 100	2,83	100	G 1 1/2"	230V/1/50/60Hz	16	HGKO 200 MX+MY+MP	622	430	1450	133
HMD 120	3,33	118	G 1 1/2"	230V/1/50/60Hz	16	HGKO 200 MX+MY+MP	622	430	1750	152
HMD 180	5,00	177	G 1 1/2"	230V/1/50/60Hz	16	HGKO 300 MX+MY+MP	734	410	1499	186
HMD 240	6,67	235	G 1 1/2"	230V/1/50/60Hz	16	HGKO 500 MX+MY+MP	889	410	1497	235

- HERTZ KOMPRESSOREN reserves its rights to change the specifications without any prior notice.

* Capacity is given at atmospheric pressure at 20 °C (ISO 1217) in accordance with norms ISO 7183-8573-1 and Pneurop 6611- Class 2 @ 7 bar, 35 °C inlet.

PRE FILTER (X)	FINE FILTER (Y)	PARTICLE FILTER (P)	ACTIVATED CARBON FILTER (A)
Efficiency rating: 1 Micron particle removal & 0.5mg/m ³ oil removal	Efficiency rating: 0.01 Micron particle removal & 0.01mg/m ³ oil removal	Efficiency rating: 5 Micron particle removal (removes desiccant particles after the dryer)	Efficiency rating: 0.01 Micron particle removal & 0.003 mg/m ³ oil removal

CORRECTION FACTORS FOR HMD SERIES

Pressure (bar)	4,5	5	6	7	8	9	10	11	12	13	14	15
F1	0,69	0,75	0,88	1	1,12	1,25	1,37	1,50	1,62	1,74	1,87	1,99
Inlet Temperature (°C)	20	25	30	35	40	45	50	-	-	-	-	-
F2	1	1	1	1	0,80	0,73	0,59		-	-	-	-

HMD Dryer Sizing Example;

If a compressor delivers 2,0 m³/min at 10 bar, the dryer inlet temperature is 40 °C. please choose your dryer as follows;

Dryer Capacity = 2,0 / 1,37 / 0,80 = 1,82 m³/min

The correct dryer model for this application is HMD 75.

