



HMD model chemical dryers use a modular design for a lightweight, compact body. Having half the size and weight of traditional twin-tower chemical dryers, they provide users with the advantage of flexible installation. This is one of the chemical air dryer models with the lowest pressure drop in the world with its highly engineered inlet valve and discharge manifold design.

### **Advantages**

- Low footprint, lightweight, compact design
- Corrosion-resistant aluminium structure
- Problem-free and reliable electronic control
- Can be mounted on the floor, bench, or wall
- Suitable layout for any workplace
- Easy to install and maintain
- High efficiency and flexibility
- Energy efficient
- Dew point from -40°C to -70°C (optional)



MODEL	Max. Pressure		Capacity		Connection Size	FilterSet	Voltage (V/ph/Hz)	Dimensions (mm)			Weight kg	Controller
	bar	psi	m³/min	cfm				Length	Width	Height		
HMD 3	16	232	0,08	3	G 1/2"	HG020 MX+MY+MP	230/1/50-60	336	320	558	17	Crouzet Millenium 3
HMD 5	16	232	0,17	6	G 1/2"	HG020 MX+MY+MP	230/1/50-60	320	320	633	19	Crouzet Millenium 3
HMD 10	16	232	0,33	12	G 1/2"	HG020 MX+MY+MP	230/1/50-60	320	320	908	27	Crouzet Millenium 3
HMD 15	16	232	0,42	15	G 1/2"	HG025 MX+MY+MP	230/1/50-60	350	370	808	31	Crouzet Millenium 3
HMD 20	16	232	0,58	21	G 1/2"	HG050 MX+MY+MP	230/1/50-60	350	370	1108	42	Crouzet Millenium 3
HMD 25	16	232	0,75	26	G 1/2"	HG050 MX+MY+MP	230/1/50-60	350	370	1258	48	Crouzet Millenium 3
HMD 30	16	232	0,83	29	G 1/2"	HG050 MX+MY+MP	230/1/50-60	350	370	1508	54	Crouzet Millenium 3
HMD 40	16	232	1,17	41	G 1 1/2"	HG0100 MX+MY+MP	230/1/50-60	495	410	1250	71	Crouzet Millenium 3
HMD 50	16	232	1,42	50	G 1 1/2"	HG0100 MX+MY+MP	230/1/50-60	495	410	1400	78	Crouzet Millenium 3
HMD 60	16	232	1,67	59	G 1 1/2"	HG0100 MX+MY+MP	230/1/50-60	495	410	1750	92	Crouzet Millenium 3
HMD 75	16	232	2,17	77	G 1 1/2"	HG0150 MX+MY+MP	230/1/50-60	622	430	1300	120	Crouzet Millenium 3
HMD 100	16	232	2,83	100	G 1 1/2"	HG0200 MX+MY+MP	230/1/50-60	622	430	1450	133	Crouzet Millenium 3
HMD 120	16	232	3,33	118	G 1 1/2"	HG0200 MX+MY+MP	230/1/50-60	622	430	1750	152	Crouzet Millenium 3
HMD 180	16	232	5,00	177	G 1 1/2"	HG0300 MX+MY+MP	230/1/50-60	734	410	1499	186	Crouzet Millenium 3
HMD 240	16	232	6,67	235	G 1 1/2"	HG0500 MX+MY+MP	230/1/50-60	889	410	1497	235	Crouzet Millenium 3
HMD 340	16	232	9,6	340	2"	*	230/1/50-60	994	400	1654	*	Crouzet Millenium 3
HMD 400	16	232	11,3	400	2"	*	230/1/50-60	1335	400	1554	*	Crouzet Millenium 3
HMD 500	16	232	14,2	500	2"	*	230/1/50-60	1505	400	1654	*	Crouzet Millenium 3
HMD 590	16	232	16,7	590	2"	*	230/1/50-60	1675	400	1754	*	Crouzet Millenium 3
HMD 735	16	232	20,8	735	3"	*	230/1/50-60	1675	400	2054	*	Crouzet Millenium 3
HMD 890	16	232	25,0	890	3"	*	230/1/50-60	1845	400	2054	*	Crouzet Millenium 3
HMD 1060	16	232	30,0	1060	3"	*	230/1/50-60	2015	400	2054	*	Crouzet Millenium 3

\* Please contact the sales consultant

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;

$$\text{Dryer Capacity} = 2,0 / 1,37 / 0,80 = 1,82 \text{ m}^3/\text{min}$$

The correct dryer model for this application is HMD 75.

**Correction Formula:** Dryer Capacity = Air Delivery Capacity of the Compressors / F1 / F2

**PRE FILTER (X)**

Efficiency rating:  
1 Micron particle removal & 0.5mg/m³ oil removal

**FINE FILTER (Y)**

Efficiency rating:  
0.01 Micron particle removal & 0.01mg/m³ oil removal

**PARTICLE FILTER (P)**

Efficiency rating:  
5 Micron particle removal  
(removes desiccant particles after the dryer)

**ACTIVATED CARBON FILTER (A)**

Efficiency rating:  
0.01 Micron particle removal & 0.003 mg/m³ oil removal