

0,08-30
m³/min

3-1060
cfm

16
bar



JOURNEY
OF
AIR

MODULAR ADSORPTION COMPRESSED AIR DRYERS

DMD model adsorption dryers use a modular design for a lightweight, compact body. Having half the size and weight of traditional twin-tower adsorption dryers, they provide users with the advantage of flexible installation. This is one of the adsorption 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	Filter Set	Voltage	Dimensions (mm)			Weight	Controller
	bar	psi	m³/min	cfm				(V/ph/Hz)	Length	Width		
DMD 3	16	232	0,08	3	G 1/2"	GON35 MX+MY+MP	230/1/50-60	336	320	558	17	Crouzet Millenium 3
DMD 5	16	232	0,17	6	G 1/2"	GON35 MX+MY+MP	230/1/50-60	320	320	633	19	Crouzet Millenium 3
DMD 10	16	232	0,33	12	G 1/2"	GON35 MX+MY+MP	230/1/50-60	320	320	908	27	Crouzet Millenium 3
DMD 15	16	232	0,42	15	G 1/2"	GON35 MX+MY+MP	230/1/50-60	350	370	808	31	Crouzet Millenium 3
DMD 20	16	232	0,58	21	G 1/2"	GON55 MX+MY+MP	230/1/50-60	350	370	1108	42	Crouzet Millenium 3
DMD 25	16	232	0,75	26	G 1/2"	GON55 MX+MY+MP	230/1/50-60	350	370	1258	48	Crouzet Millenium 3
DMD 30	16	232	0,83	29	G 1/2"	GON55 MX+MY+MP	230/1/50-60	350	370	1508	54	Crouzet Millenium 3
DMD 40	16	232	1,17	41	G 1 1/2"	GON100 MX+MY+MP	230/1/50-60	495	410	1250	71	Crouzet Millenium 3
DMD 50	16	232	1,42	50	G 1 1/2"	GON100 MX+MY+MP	230/1/50-60	495	410	1400	78	Crouzet Millenium 3
DMD 60	16	232	1,67	59	G 1 1/2"	GON100 MX+MY+MP	230/1/50-60	495	410	1750	92	Crouzet Millenium 3
DMD 75	16	232	2,17	77	G 1 1/2"	GON150 MX+MY+MP	230/1/50-60	622	430	1300	120	Crouzet Millenium 3
DMD 100	16	232	2,83	100	G 1 1/2"	GON225 MX+MY+MP	230/1/50-60	622	430	1450	133	Crouzet Millenium 3
DMD 120	16	232	3,33	118	G 1 1/2"	GON225 MX+MY+MP	230/1/50-60	622	430	1750	152	Crouzet Millenium 3
DMD 180	16	232	5,00	177	G 1 1/2"	GON400 MX+MY+MP	230/1/50-60	734	410	1499	186	Crouzet Millenium 3
DMD 240	16	232	6,67	235	G 1 1/2"	GON500 MX+MY+MP	230/1/50-60	889	410	1497	235	Crouzet Millenium 3
DMD 340	16	232	9,6	340	2"	GON600 MX+MY+MP	230/1/50-60	994	400	1654	400	Crouzet Millenium 3
DMD 400	16	232	11,3	400	2"	GON800 MX+MY+MP	230/1/50-60	1335	400	1554	600	Crouzet Millenium 3
DMD 500	16	232	14,2	500	2"	GON1000 MX+MY+MP	230/1/50-60	1505	400	1654	700	Crouzet Millenium 3
DMD 590	16	232	16,7	590	2"	GON1000 MX+MY+MP	230/1/50-60	1675	400	1754	850	Crouzet Millenium 3
DMD 735	16	232	20,8	735	3"	GON1550 MX+MY+MP	230/1/50-60	1675	400	2054	950	Crouzet Millenium 3
DMD 890	16	232	25,0	890	3"	GON1550 MX+MY+MP	230/1/50-60	1845	400	2054	1050	Crouzet Millenium 3
DMD 1060	16	232	30,0	1060	3"	GON2000 MX+MY+MP	230/1/50-60	2015	400	2054	1200	Crouzet Millenium 3

* Please contact the sales consultant

CORRECTION FACTORS FOR DMD 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	-	-	-	-	-

DMD 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 DMD 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