HMD

hertz KOMPRESSOREN

3-1060 cfm

0,08-30 m³/min

232 psi



MODULAR ADSORPTION COMPRESSED AIR DRYERS

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°F to -94°F (optional)



COMPRESSED AIR DRYERS

Model	Capacity**		Connection Size	Voltage	Max. Working Pressure	Included Filter and Type	Dimensions (in.)			Weight (lbs)	Active Alumina (lbs)
	m³/min	cfm			psi		Length	Width	Height		
HMD US 3	0,08	3	1/2" NPT	115-240V/ 1 Ph / 60 Hz	232	HGO US 15 MX+MY+MP	13,2	12,6	22	37	3.96
HMD US 5	0,14	5	1/2" NPT	115-240V/ 1 Ph / 60 Hz	232	GON 35 MX-MY-MP	12,6	12,6	25	41	5.07
HMD US 10	0,28	10	1/2" NPT	115-240V/ 1 Ph / 60 Hz	232	GON 35 MX-MY-MP	12,6	12,6	35,5	59	9.03
HMD US 15	0,42	15	1/2" NPT	115-240V/ 1 Ph / 60 Hz	232	GON 35 MX-MY-MP	13,8	14.5	31,8	68	15.4
HMD US 20	0,57	20	1/2" NPT	115-240V/ 1 Ph / 60 Hz	232 290	GON 55 MX-MY-MP	13,8	14.5	43,6	92	22
HMD US 25	0,71	25	1/2" NPT	115-240V/ 1 Ph / 60 Hz	232	GON 55 MX-MY-MP	13,8	14.5	49,5	105	26.2
HMD US 30	0,85	30	1/2" NPT	115-240V/ 1 Ph / 60 Hz	232 290	GON 55 MX-MY-MP	13,8	14.5	59,4	118	33
HMD US 40	1,13	40	1 1/2" NPT	115-240V/ 1 Ph / 60 Hz	232 290	GON 100 MX-MY-MP	19,5	16,1	49,2	143	40
HMD US 50	1,42	50	1 1/2" NPT	115-240V/ 1 Ph / 60 Hz	232 290	GON 100 MX-MY-MP	19,5	16,1	55,1	156	44
HMD US 60	1,7	60	1 1/2" NPT	115-240V/ 1 Ph / 60 Hz	232	GON 100 MX-MY-MP	19,5	16,1	68,8	171	60
HMD US 75	2,12	75	1 1/2" NPT	115-240V/ 1 Ph / 60 Hz	232 290	GON 150 MX-MY-MP	24,5	17	51,1	202	84
HMD US 100	2,83	100	1 1/2" NPT	115-240V/ 1 Ph / 60 Hz	232 290	GON 225 MX-MY-MP	24,5	22	58	264	95
HMD US 120	3,4	120	1 1/2" NPT	115-240V/ 1 Ph / 60 Hz	232	GON 225 MX-MY-MP	24,5	25	68,8	292	117
HMD US 180	5,1	180	1 1/2" NPT	115-240V/ 1 Ph / 60 Hz	232	GON 400 MX-MY-MP	28,9	16,1	59	409	148
HMD US 240	6,8	240	1 1/2" NPT	115-240V/ 1 Ph / 60 Hz	232	GON 500 MX-MY-MP	35	16,1	59	517	196
HMD US 340	9,6	340	2" NPT	115-240V/ 1 Ph / 60 Hz	232	GON 600 MX-MY-MP	39	16	65	1102	-
HMD US 400	11,3	400	2" NPT	115-240V/ 1 Ph / 60 Hz	232	GON 800 MX-MY-MP	53	16	61	-	-
HMD US 500	14,2	500	2" NPT	115-240V/ 1 Ph / 60 Hz	232	GON 1000 MX-MY-MP	59	16	65	-	-
HMD US 590	16,7	590	2" NPT	115-240V/ 1 Ph / 60 Hz	232	GON 1000 MX-MY-MP	66	16	69	-	-
HMD US 735	20,8	735	3" NPT	115-240V/ 1 Ph / 60 Hz	232	GON HC 1550 MX-MY-MP	66	16	81	-	-
HMD US 890	25,2	890	3" NPT	115-240V/ 1 Ph / 60 Hz	232	GON HC 1550 MX-MY-MP	73	16	81	-	-
HMD US 1060	30	1060	3" NPT	115-240V/ 1 Ph / 60 Hz	232	GON HC 2000 MX-MY-MP	79	16	81	-	-

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

** Dryer ratings at the following inlet conditions to the dryer (as per ISO 7183, Table 2, Option A2 and CAGI): Inlet Compressed Air Temperature: 100° F, Inlet Compressed Air Pressure: 100 psig, Max. Ambient Air Temperature: 100 °F, Inlet Compressed Air Relative Humidity 100% (Saturated)

PRE FILTER (X)

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

PARTICLE FILTER (P)

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

FINE FILTER (Y)

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

ACTIVATED CARBON FILTER (A)

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

Correction Sample

If a compressor delivers 90 cfm at 120 psi with 115°F inlet temperature please choose your dryer model as follow:

90 cfm / 1.08 / 0.80 = 104 cfm your model is HMD US 120

CORRECTION FACTORS FOR HMD SERIES															
Pressure (psi)	50	60	70	80	90	100	110	120	130	140	150	175	200	225	250
Factor Pressure F1	0.56	0.65	0.74	0.83	0.91	1	1.06	1.08	1.12	1.16	1.2	1.29	1.37	1.45	1.52
Inlet Temperature (°F)	70	80	90	100	105	110	115	120	-	-	-	-	-	-	-
Factor Inlet F2	1.12	1.09	1.06	1	0.93	0.86	0.8	0.75	-	-	-	-	-	-	-

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

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