HDA

hertz® KOMPRESSOREN

2,17-180 m³/min

77-6357 cfm

10 bar

HEATLESS ADSORPTION COMPRESSED AIR DRYERS

Designed to supply clean and very dry air for critical applications. They have a constant dew point of -40°C (-70°C optional).

They come with inlet and outlet line filters to keep the air flow clean and to protect the chemical mixture inside the tanks.

Advantages

- Uninterrupted and perfect operation
- -40°C (-70°C optional) pressurized dew point
- Optional dew point monitoring and control
- 16 and 40 bar working pressure options
- Constant dew point
- Easy-to-use control panel
- Touchscreen interface
- User friendly
- Different language options

COMPRESSED AIR DRYERS

Model	Max. Pressure		Capacity		Connection Size	Filters	Voltage	Dimensions (mm)			Weight	Controller
	bar	psi	m³/min	cfm			V/ph/Hz	Length	Width	Height	kg	
HDA 130	10	145	2,17	77	G 1"	HGON150 MX+MY+MP	230/1/50-60	814	600	1312	160	Crouzet Millenium 3
HDA 185	10	145	3,08	109	G 1"	HGON225 MX+MY+MP	230/1/50-60	806	600	1566	180	Crouzet Millenium 3
HDA 250	10	145	4,17	147	G 1"	HGON300 MX+MY+MP	230/1/50-60	772	760	1580	200	Crouzet Millenium 3
HDA 300	10	145	5,00	177	G 1 1/2"	HGON300 MX+MY+MP	230/1/50-60	900	690	1558	250	Crouzet Millenium 3
HDA 360	10	145	6,00	212	G 1 1/2"	HGON400 MX+MY+MP	230/1/50-60	900	690	1558	250	Crouzet Millenium 3
HDA 440	10	145	7,33	259	G 1 1/2"	HGON500 MX+MY+MP	230/1/50-60	900	698	1759	340	Crouzet Millenium 3
HDA 575	10	145	9,58	338	G 1 1/2"	HGON600 MX+MY+MP	230/1/50-60	900	680	1991	500	Crouzet Millenium 3
HDA 680	10	145	11,3	400	G 2"	HGON800 MX+MY+MP	230/1/50-60	960	680	2216	535	Crouzet Millenium 3
HDA 850	10	145	14,2	500	G 2"	HGON1000 MX+MY+MP	230/1/50-60	1016	857	2277	750	Crouzet Millenium 3
HDA 1000	10	145	16,7	589	G 2"	HGON1200 MX+MY+MP	230/1/50-60	1075	1010	2386	755	Crouzet Millenium 3
HDA 1250	10	145	20,8	736	DN80	HGON1550 MX+MY+MP	230/1/50-60	1294	1100	2413	1000	Crouzet Millenium 3
HDA 1500	10	145	25,0	883	DN80	HGON1550 MX+MY+MP	230/1/50-60	1300	1010	2547	1050	Crouzet Millenium 3
HDA 1800	10	145	30,0	1059	DN80	HGON2000 MX+MY+MP	230/1/50-60	1513	1110	2479	1215	Crouzet Millenium 3
HDA 2200	10	145	36,7	1295	DN80	HGON2700 MX+MY+MP	230/1/50-60	1460	1110	2793	1550	Crouzet Millenium 3
HDA 2700	10	145	45,0	1589	DN80	HGON2700 MX+MY+MP	230/1/50-60	1533	1252	2831	1890	Crouzet Millenium 3
HDA 3200	10	145	53,3	1883	DN100	HGO3400 MX+MY+MP	230/1/50-60	1653	1212	3054	2240	Crouzet Millenium 3
HDA 3600	10	145	60,0	2119	DN100	HGO4500 MX+MY+MP	230/1/50-60	1653	1210	3268	2330	Crouzet Millenium 3
HDA 4400	10	145	73,3	2590	DN100	HGO4500 MX+MY+MP	230/1/50-60	1905	1535	2910	3000	Crouzet Millenium 3
HDA 5000	10	145	83,3	2943	DN150	HGO5400 MX+MY+MP	230/1/50-60	1843	1714	3382	3180	Crouzet Millenium 3
HDA 6300	10	145	105,0	3708	DN150	HF6500 MX+MY+MP	230/1/50-60	2114	1693	3328	3450	Crouzet Millenium 3
HDA 7200	10	145	120,0	4238	DN150	HF8500 MX+MY+MP	230/1/50-60	2518	1795	3047	3600	Crouzet Millenium 3
HDA 8800	10	145	146,7	5179	DN150	HF8500 MX+MY+MP	230/1/50-60	2518	1795	3341	3850	Crouzet Millenium 3
HDA 10800	10	145	180,0	6357	DN200	HF11000 MX+MY+MP	230/1/50-60	2583	1875	3747	4200	Crouzet Millenium 3

CORRECTION FACTORS FOR HDA DRYERS							
Bar	4.5	5	6	7	8	9	10
	0,69	0,75	0,88	1	1,12	1,25	1,37
Inlet Temp. °C	20	25	30	35	40	45	50
	1	1	1	1	0,80	0,73	0,59

HDA Dryer Sizing Example;
If a compressor delivers 10 m³/min at 6 bar, the dryer inlet temperatur e is 40 °C. please choose your dryer as follows;

Dryer Capacity = 10 / 0,88 / 0,80 = 14,2 m³/min

The correct dryer model for this application is HDA 850.

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

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