

300-6000
cfm8,5-169,9
m³/min200
psi

HEATLESS ADSORPTION COMPRESSED AIR DRYERS

Designed to supply clean and very dry air for critical applications. They have a constant dew point of -40°F (-94°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°F (-94°F optional) pressurized dew point
- Optional dew point monitoring and control
- 232 and 580 psi working pressure options
- Constant dew point
- Easy-to-use control panel
- User friendly
- Different language options



Model	Capacity**		Connection Size	Voltage	Max. Working Pressure	Max. Ambient Temp.	Max. Inlet Temp.	Included Filter and Type	Dimensions (in.)			Weight (lbs)
	m³/min	cfm			psi	°F	°F		Length	Width	Height	
HDA US 300	8,5	300	1 1/2" NPT	115V/ 1 Ph / 60 Hz	200	120	120	GON 600 MX-MY-MP	40	24	87	1200
HDA US 400	11,3	400	1 1/2" NPT	115V/ 1 Ph / 60 Hz	200	120	120	GON 800 MX-MY-MP	46	26	88	1350
HDA US 500	14,2	500	2" NPT	115V/ 1 Ph / 60 Hz	200	120	120	GON 1000 MX-MY-MP	46	26	88	1460
HDA US 600	17	600	2" NPT	115V/ 1 Ph / 60 Hz	200	120	120	GON 1200 MX-MY-MP	46	26	88	1790
HDA US 800	22,7	800	3" ANSI B16.5	115V/ 1 Ph / 60 Hz	200	120	120	GON HC 1550 MX-MY-MP	55	48	105	2150
HDA US 1000	28,3	1000	3" ANSI B16.5	115V/ 1 Ph / 60 Hz	200	120	120	GON HC 2000 MX-MY-MP	55	48	105	2960
HDA US 1250	35,4	1250	3" ANSI B16.5	115V/ 1 Ph / 60 Hz	200	120	120	GON HC 2700 MX-MY-MP	60	50	109	3470
HDA US 1500	42,5	1500	3" ANSI B16.5	115V/ 1 Ph / 60 Hz	200	120	120	GON HC 2700 MX-MY-MP	60	50	109	4180
HDA US 2000	56,6	2000	4" ANSI B16.5	115V/ 1 Ph / 60 Hz	200	120	120	GO HC 3400 MX-MY-MP	70	62	115	4980
HDA US 2500	70,8	2500	4" ANSI B16.5	115V/ 1 Ph / 60 Hz	200	120	120	GO HC 4500 MX-MY-MP	70	62	115	5800
HDA US 3000	85	3000	6" ANSI B16.5	115V/ 1 Ph / 60 Hz	200	120	120	GO HC 5400 MX-MY-MP	80	70	120	6400
HDA US 4000	113,3	4000	6" ANSI B16.5	115V/ 1 Ph / 60 Hz	200	120	120	C/F	90	80	122	9100
HDA US 5000	141,6	5000	6" ANSI B16.5	115V/ 1 Ph / 60 Hz	200	120	120	C/F	98	86	120	11800
HDA US 6000	169,9	6000	8" ANSI B16.5	115V/ 1 Ph / 60 Hz	200	120	120	C/F	C/F	C/F	C/F	C/F

* 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)

Correction Sample

If a compressor delivers 600 cfm at 90 psi pressure and 115 °F inlet temperature please choose your dryer as follow:

$600 \text{ cfm} / 0.91 / 0.80 = 824 \text{ cfm}$ the correct dryer for this is HDA US 1000.

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 FACTORS FOR HDA SERIES

Pressure (psi)	50	60	70	80	90	100	110	120	130	140	150	175	200
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
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	-	-	-	-	-