

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
- Touchscreen interface
- 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)

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 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.

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	-	-	-	-	-