HBP

hertz® KOMPRESSOREN

500-10000 cfm

14,2-283,2 m^3/min

200 psi



BLOWER PURGE ADSORPTION COMPRESSED AIR DRYERS

They use a blower to draw in the ambient air and pass it through a heater. The heated air is sent in the opposite direction to the drying flow. This removes the moisture from the chemical substance pores. The advanced control system continuously monitors dew point and adjusts the temperature. This results in energy savings. The heater is insulated for high energy efficiency.

Advantages

- Dew point monitoring and control
- Computer control
- Status, alarm, and pressure display
- Remote start and stop
- Low-pressure alarm
- High-pressure switches and alarms
- Externally heated or heat-free operation
- Reliable electronic control units
- User friendly and different language options



COMPRESSED AIR DRYERS

Model	Capacity**		Connection Size	Voltage	Max. Working Pressure	Max. Working Temp.	Max. Inlet Temp.	Included Filter and Type	Dimensions (in.)			Weight (lbs)
	m³/min	cfm			psi	°F	°F		Length	Width	Height	
HBP US 500	14,2	500	2" NPT	460V / 3 Ph / 60 Hz	200	120	120	GON 1000 MX+MY+MP	62	56	96	577
HBP US 600	17	600	2" NPT	460V / 3 Ph / 60 Hz	200	120	120	GON 1000 MX+MY+MP	66	64	99	780
HBP US 800	22,7	800	3" ANSI B16.5	460V / 3 Ph / 60 Hz	200	120	120	GON HC 1550 MX+MY+MP	81	70	104	985
HBP US 1000	28,3	1000	3" ANSI B16.5	460V / 3 Ph / 60 Hz	200	120	120	GON HC 2000 MX+MY+MP	75	72	99	1261
HBP US 1250	35,4	1250	3" ANSI B16.5	460V / 3 Ph / 60 Hz	200	120	120	GON HC 2700 MX+MY+MP	80	81	101	1569
HBPUS 1500	42,5	1500	3" ANSI B16.5	460V / 3 Ph / 60 Hz	200	120	120	GON HC 2700 MX+MY+MP	82	78	112	1909
HBP US 2000	56,6	2000	4" ANSI B16.5	460V / 3 Ph / 60 Hz	200	120	120	GO HC 3400 MX+MY+MP	104	88	107	2365
HBP US 2500	70,8	2500	4" ANSI B16.5	460V / 3 Ph / 60 Hz	200	120	120	GO HC 4500 MX+MY+MP	142	88	120	3127
HBP US 3000	85	3000	6" ANSI B16.5	460V / 3 Ph / 60 Hz	200	120	120	GO HC 4500 MX+MY+MP	137	86	133	3701
HBP US 4000	113,3	4000	6" ANSI B16.5	460V / 3 Ph / 60 Hz	200	120	120	F6500MX-MY-MP(H)	138	83	122	5085
HBP US 5000	141,6	5000	6" ANSI B16.5	460V / 3 Ph / 60 Hz	200	120	120	F6500MX-MY-MP(H)	148	89	134	6094
HBP US 6000	169,9	6000	8" ANSI B16.5	460V / 3 Ph / 60 Hz	200	120	120	F8500MX-MY-MP(H)	157	91	152	7163
HBP US 7000	198,2	7000	8" ANSI B16.5	460V / 3 Ph / 60 Hz	200	120	120	F8500MX-MY-MP(H)	C/F	C/F	C/F	C/F
HBP US 8000	226,5	8000	8" ANSI B16.5	460V / 3 Ph / 60 Hz	200	120	120	F11000MX-MY-MP(H)	C/F	C/F	C/F	C/F
HBP US 9000	254,9	9000	10" ANSI B16.5	460V / 3 Ph / 60 Hz	200	120	120	F11000MX-MY-MP(H)	C/F	C/F	C/F	C/F
HBP US 10000	283,2	10000	10" ANSI B16.5	460V / 3 Ph / 60 Hz	200	120	120	F14000MX-MY-MP(H)	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 1500 cfm at 120 psi pressure and120 °F inlet temperature please choose your dryer as follow:

1500 cfm / 1.08/ 0.75 = 1851 cfm the correct dryer for this is HBP US 2000.

CORRECTION FACTORS FOR HBP 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	-	-	-	-	-

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