HBP

hertz® KOMPRESSOREN

14,2-267 m³/min

500-9429 cfm

10 bar

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	Max. Pressure		Capacity		Connection Size	Filter Set	Voltage	Dimensions (mm)			Controller
	bar	psi	m³/min	cfm			V/ph/Hz	Length	Width	Height	
HBP 850	10	145	14,2	500	G 2"	HGON1000 MX+MY+MP(H)	400 / 3 / 50	1296	1180	2299	Schneider
HBP 1000	10	145	16,7	589	G 2"	HGON1000 MX+MY+MP(H)	400 / 3 / 50	1200	1310	2415	Schneider
HBP 1250	10	145	20,8	736	DN80	HGON1550 MX+MY+MP(H)	400 / 3 / 50	1610	1270	2468	Schneider
HBP 1500	10	145	25,0	883	DN80	HGON1550 MX+MY+MP(H)	400 / 3 / 50	1610	1270	2563	Schneider
HBP 1800	10	145	30,0	1059	DN80	HGON2000 MX+MY+MP(H)	400 / 3 / 50	1563	1515	2479	Schneider
HBP 2200	10	145	36,7	1295	DN80	HGON2700 MX+MY+MP(H)	400 / 3 / 50	1563	1455	2789	Schneider
HBP 2700	10	145	45,0	1589	DN80	HGON2700 MX+MY+MP(H)	400 / 3 / 50	1615	1514	2836	Schneider
HBP 3200	10	145	53,3	1883	DN100	HGO3400 MX+MY+MP(H)	400 / 3 / 50	1710	1660	3054	Schneider
HBP 3600	10	145	60,0	2119	DN100	HGO4500 MX+MY+MP(H)	400 / 3 / 50	1710	1660	3268	Schneider
HBP 4400	10	145	73,3	2590	DN100	HGO4500 MX+MY+MP(H)	400 / 3 / 50	1975	2492	2910	Schneider
HBP 5000	10	145	83,3	2943	DN 150	HGO5400 MX+MY+MP(H)	400 / 3 / 50	2045	2560	3382	Schneider
HBP 6300	10	145	105,0	3708	DN150	HF6500 MX+MY+MP(H)	400 / 3 / 50	2090	2963	3328	Schneider
HBP 7200	10	145	120,0	4238	DN150	HF8500 MX+MY+MP(H)	400 / 3 / 50	2020	3363	3047	Schneider
HBP 8800	10	145	146,7	5179	DN150	HF8500 MX+MY+MP(H)	400 / 3 / 50	2020	3363	3341	Schneider
HBP 10800	10	145	180,0	6357	DN200	HF11000 MX+MY+MP(H)	400 / 3 / 50	2492	3481	3765	Schneider
HBP 12000	10	145	200,0	7063	DN200	HF11000 MX+MY+MP(H)	400 / 3 / 50	*	*	*	Schneider
HBP 16000	10	145	267,0	9429	DN200	HF14000 MX+MY+MP(H)	400 / 3 / 50	*	*	*	Schneider

Dew point monitoring and control are standard.
* Please contact the sales consultant.

CORRECTION FACTORS FOR HBP AIR 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	-
	1	1	1	1	0,80	0,73	-

HBP Dryer Sizing Example;

If a compressor delivers 35 m³/min at 6 bar, the dryer inlet temperature is 40 °C. please choose your dryer as follows;

Dryer Capacity = 35 / 0,88 / 0,80 = 49,7 m³/min

The correct dryer model for this application is HBP 3200.

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 & 0.003mg/m³ oil removal

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