

BORA HPD

Modell HPD 0040 – HPD 5000



Refrigeration compressed air dryer for operating pressures up to 650 psig.

Compressed air is an indispensable drive and process medium to almost all ranges of industrial production. However, the compressed air needed for production must be dry, free of oil and clean in order to prevent expensive breakdowns.

High-pressure dryers are used when standard versions no longer satisfy technical production requirements. An important area of application is the plastics processing industry, e.g. the production of environmentally friendly re-usable bottles made of PET (polyethyleneterephthalate).

The compressed air refrigerant dryer of BORA series is especially designed for these requirements in high-pressure compressed air purification.

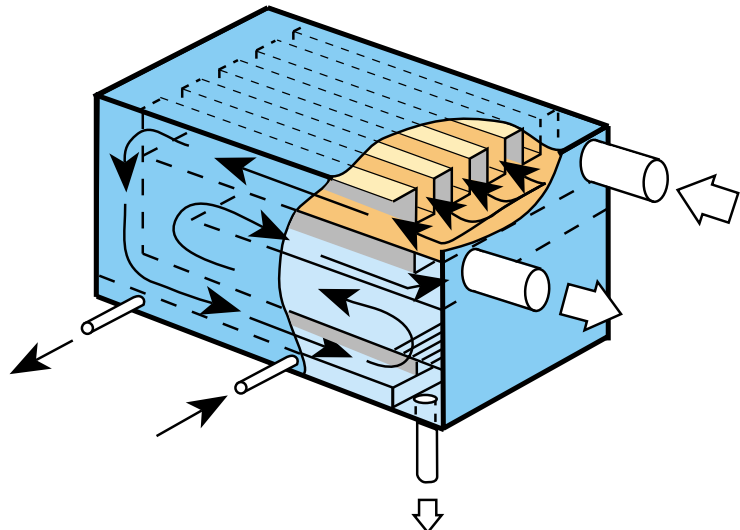
ultratroc compressed air refrigerant dryers of the BORA HPD series achieve a pressure dew point of 37°F at operating pressures of up to 650 psig and ambient temperatures of max. 120°F.

The construction already convinces by a rigid design and guarantees lowest operating costs e.g. since the entire series is equipped with the electronically level-controlled zero-loss condensate drain UFM-T20 HP.

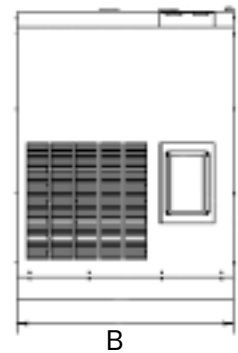
High-pressure dryers from ultratroc combine long-lasting experience consequently with the use of modern technology and demonstrate performance and reliability in daily use.

The BORA HP uses a high performance two stage stainless steel plate type heat exchanger which provides optimal heat transfer of air to air and refrigerant to air cooling circuits within the dryer. Power consumption is reduced because less energy is required than conventional heat exchangers to achieve the necessary cooling capacity.

As a matter of course, as standard ultratroc fridge dryers are exclusively equipped with the environmentally friendly, non ozone-depleting refrigerant R 134a.



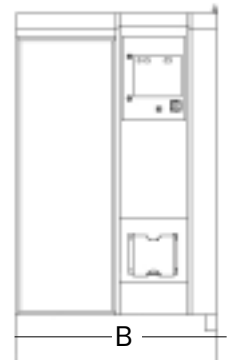
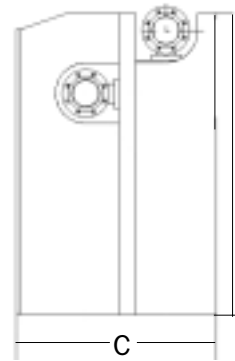
Features:	Benefits:
refrigerant R 134a	environmentally friendly
16 models from 20 to 3,000 cfm	matches perfectly to compressor performances
patented plate heat exchanger	high performance, low differential pressure
electronically condensate drain	electronically, level-controlled zero-loss condensate drain UFM-T20 HP
CFC-free insulation	environmentally friendly
hermetic refrigerant compressor	high availability
Safe operation up to 120°F ambient and 144°F inlet temperature	safe operation also by unusual circumstances
maintenance free, self cleaning condensate separation system	low maintenance costs



operating pressure:
600 psig
ambient temperature:
max.: + 120°F
min.: + 35°F
Approval:
CE

max. operating pressure:
650 psig
min. operating pressure:
220 psig

operating pressure psig	300	350	400	450	500	600	650
correction factor f_p	0.58	0.7	0.77	0.83	0.89	1	1.05



model	capacity at 600 psig operating pressure in cfm* nom.	connection R"/ANSI	dimensions in inches			Power consumption kW	power supply	weight lb
			A Height	B Width	C Depth			
BORA HPD								
HPD 0040	20	3/8"	22	24	18	0.18	115V/1/60Hz	79
HPD 0060	30	3/8"	22	24	18	0.20	115V/1/60Hz	84
HPD 0090	40	1/2"	22	24	18	0.28	115V/1/60Hz	99
HPD 0120	60	3/4"	22	24	18	0.30	115V/1/60Hz	110
HPD 0180	85	3/4"	22	24	18	0.42	115V/1/60Hz	114
HPD 0260	120	1"	26	24	24	0.84	230V/1/60Hz	154
HPD 0370	180	1"	26	24	24	0.90	230V/1/60Hz	163
HPD 0480	230	1 1/4"	26	24	24	1.06	230V/1/60Hz	205
HPD 0600	280	1 1/4"	26	24	24	1.10	230V/1/60Hz	235
HPD 0800	380	1 1/2"	47	35	31	1.68	230V/1/60Hz	385
HPD 1100	520	1 1/2"	47	35	31	1.74	230V/1/60Hz	396
HPD 1350	640	2"	47	35	31	2.40	460V/3/60Hz	409
HPD 1750	830	2"	47	35	31	2.70	460V/3/60Hz	431
HPD 2250	1060	3"	47	35	31	3.00	460V/3/60Hz	451
HPD 2700	1270	3"	75	47	47	3.84	460V/3/60Hz	946
HPD 3500	1650	3"	75	47	47	6.60	460V/3/60Hz	1001
HPD 4200	2500	3"	75	47	47	6.84	460V/3/60Hz	1353
HPD 5000	3000	3"	75	47	47	7.08	460V/3/60Hz	1496

*volume flow in relation to intake state of air compressor (68°F, 14.7 psi); operating pressure 600 psi, at compressed air inlet temperature of 100°F, ambient 100°F and 37°F pressure dew point according to CAGI ADF 100.