

0,06-50,83  
m<sup>3</sup>/min

2,1-1795  
cfm

16-20  
bar



JOURNEY  
OF  
AIR

## HEATLESS ADSORPTION COMPRESSED AIR DRYERS

It is designed to provide clean and extremely dry compressed air for critical applications and is suitable for operating pressures of 16–20 bar. Depending on requirements, pressure dew point options of  $-40^{\circ}\text{C}$  or  $-70^{\circ}\text{C}$  (optional) are available. Inlet and outlet line filters provide additional protection against particles and contaminants in the air line. The pressure dew point sensor located on the outlet line monitors the pressure dew point and extends the adsorption time based on actual inlet conditions. This enables an “energy saving phase” to occur during certain periods without the need for regeneration; under suitable conditions, energy savings of up to 90% can be achieved.



### Advantages

- $-40^{\circ}\text{C}$  and  $-70^{\circ}\text{C}$  pressure dew point options
- 16 and 20 bar operating pressure
- Heatless twin-tower adsorption technology
- Energy-saving regeneration control system

Model	Capacity				Connection Size	Dimensions (mm)			Weight (kg)	Controller
	-40 °C		-70 °C			Length	Width	Height		
	m <sup>3</sup> /min	cfm	m <sup>3</sup> /min	cfm						
DHD 5	0,08	2,9	0,06	2,1	G 3/8"	490	400	600	7	GMT
DHD 10	0,17	5,9	0,12	4,1	G 3/8"	490	400	650	8	GMT
DHD 20	0,33	11,8	0,23	8,2	G 3/8"	490	400	900	11	GMT
DHD 25	0,42	14,7	0,29	10,3	G 3/8"	490	400	1050	12	GMT
DHD 35	0,58	20,5	0,41	14,3	G 3/8"	490	400	1000	22	GMT
DHD 50	0,83	29,3	0,58	20,5	G 3/8"	490	400	1200	28	GMT
DHD 60	1	35,3	0,7	24,7	G 1/2"	490	400	1350	33	GMT
DHD 70	1,17	41,3	0,82	28,9	G 1/2"	595	450	1000	42	GMT
DHD 90	1,5	53	1,05	37,1	G 1/2"	595	450	1100	49	GMT
DHD 110	1,83	64,6	1,28	45,2	G 1/2"	595	450	1300	63	GMT
DHD 150	2,5	88,3	1,75	61,8	G 1"	700	500	1100	77	GMT
DHD 180	3	106	2,1	74,2	G 1"	700	500	1300	98	GMT
DHD 210	3,5	124	2,45	86,5	G 1"	700	500	1550	120	GMT
DHD 300	5	177	3,5	124	G 1 1/2"	800	650	1830	200	GMT
DHD 400	5,67	200	3,97	140	G 1 1/2"	900	700	1850	220	GMT
DHD 480	8	283	5,6	198	G 1 1/2"	900	700	1900	255	GMT
DHD 600	10	353	7	247	G 1 1/2"	1100	800	1800	328	GMT
DHD 820	13,67	483	9,57	338	G 2"	1100	800	2200	456	GMT
DHD 1000	16,67	589	11,67	412	G 2"	1100	800	2650	600	GMT
DHD 1200	20	706	14	494	G 2"	1100	800	2750	633	GMT
DHD 1550	25,83	912	18,08	639	DN80-PN16	1300	900	2100	761	GMT
DHD 1850	30,83	1089	21,58	762	DN80-PN16	1400	950	2100	903	GMT
DHD 2050	34,17	1207	23,92	845	DN80-PN16	1400	950	2100	1166	GMT
DHD 2450	40,83	1442	28,58	1009	DN100-PN16	1550	1000	2350	1272	GMT
DHD 3050	50,83	1795	35,58	1257	DN100-PN16	1650	1000	2450	1462	GMT

CORRECTION FACTORS FOR DHD DRYERS															
Inlet Air Pressure (bar)	4	5	6	7	8	8,5	10	11	12	13	14	15	16	18	20
F1	0,63	0,75	0,88	1	1,13	1,12	1,38	1,5	1,6	1,7	1,18	1,9	2	2,1	2,2
Inlet Air Temperature °C	25	30	35	40	45	50	55	-	-	-	-	-	-	-	-
F2	1	1	1	0,9	0,85	0,7	0,65	-	-	-	-	-	-	-	-