

modular high pressure heatless desiccant dryer

FEATURES

- removal of water vapor from your compressed air stream to -40°F (-4°F and -67°F optional) to ensure a continuous supply of dry air in high pressure applications
- 18 models from 77 to 942 scfm and operating pressures of 1450 or 5075 psig
- seamless stainless steel design provides maximum corrosion resistance and highest safety standards
- advanced controller monitors and controls the fully automated drying and regeneration cycles
- high pressure filtration connected with high pressure 316 stainless steel pipe work and fittings included as standard (0.01 micron pre filter and 1 micron after filter)
- high quality 2-layer desiccant bed for stable drying and extended desiccant service life
- rugged and reliable control valves provide flow capacity and designed for durability, ease of maintenance and long service life
- easy maintenance
- applications include electronics, marine and offshore, military, chemical manufacturing, aerospace, CNG & biogas



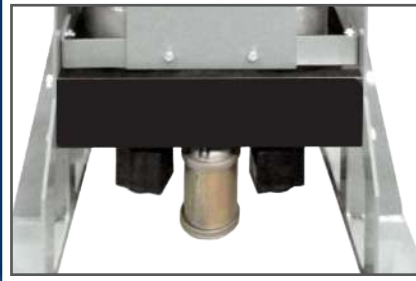
dew point control option

energy savings dew point control continually monitors outlet dew point for maximum energy savings



individual valve control

fully integrated, leak-free valve blocks with fully accessible switch over valves in the lower manifold



nano-purification solutions
charlotte, north carolina
united states

nano-purification solutions
new bethlehem, pennsylvania
united states

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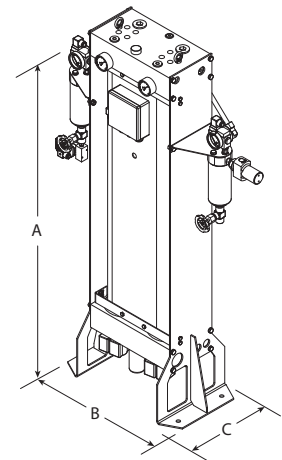
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SPECIFICATIONS

dryer model	inlet & outlet		rated flow ⁽¹⁾		dimensions (inches)			approx. weight
	NPT		scfm	Nm ³ /h	A	B	C	lbs
DHC / 100 (1450 psig)								
DHC8/100	½"		77	130	40.9	30.7	14.5	187
DHC13/100	½"		115	195	46.8	30.7	14.5	212
DHC18/100	½"		159	270	52.7	30.7	14.5	240
DHC26/100	½"		203	345	58.6	30.7	14.5	269
DHC31/100	½"		250	425	68.5	30.7	14.5	295
DHC41/100	¾"		333	565	66.9	33.4	14.5	346
DHC52/100	¾"		394	670	74.8	33.4	14.5	379
DHC59/100	¾"		447	760	82.6	33.4	14.5	425
DHC66/100	¾"		486	825	92.5	33.4	14.5	481
DHC / 350 (5075 psig)								
DHC8/350	½"		132	132	40.9	30.7	14.5	287
DHC13/100	½"		206	350	46.8	30.7	14.5	333
DHC18/100	½"		283	480	52.7	30.7	14.5	390
DHC26/100	½"		365	620	58.6	30.7	14.5	461
DHC31/100	½"		441	750	68.5	30.7	14.5	523
DHC41/100	¾"		647	110	66.9	33.4	14.5	626
DHC52/100	¾"		765	1300	74.8	33.4	14.5	692
DHC59/100	¾"		868	1475	82.6	33.4	14.5	785
DHC66/100	¾"		942	1600	92.5	33.4	14.5	875

specifications	standard	option
maximum particle size (ISO class) ⁽²⁾	class 2 (1 micron)	class 1 (0.01 micron)
maximum water content (ISO class) ⁽²⁾	class 2 (-40°F) ⁽³⁾	-
maximum oil content (ISO class) ⁽²⁾	class 1 (0.01 mg/m ³)	-
minimum operating pressure	435 psig (DHC/100) / 1450 psig (DHC/350)	-
maximum operating pressure	1450 psig (DHC/100) / 5075 (DHC/350)	-
recommended operating temperature range	50 to 100°F	-
design operating temperature range	35 to 140°F	-
power supply requirements	120 & 240 VAC, 50/60 Hz ⁽⁴⁾	-
power consumption	<50 W	-
control panel protection	IP 65 (NEMA 4X)	-
valve switching power (per valve)	80 VA	-

material of construction	
vessels	304 stainless steel
frame & supports	carbon steel
valve block housing	anodized aluminum
valve seats	stainless steel & brass
pipng & fittings	316 stainless steel
media	80% 4A molecular sieve, 20% WS silica gel



(1) at an outlet temperature of 95°F, an inlet pressure of 1450 or 5075 psig (as applicable) and -40°F outlet dew point. For all other operating conditions, contact support@n-psi.com for sizing assistance

(2) per ISO 8573.1:2010

(3) ISO class 2 (-40°F outlet pressure dew point) is provided as standard. -4°F or -67°F outlet pressure dew point are available as an option

(4) 24VDC available as an option

(5) technical specifications subject to change without notice. Direct inquiries to support@n-psi.com or contact 704.897.2182