

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



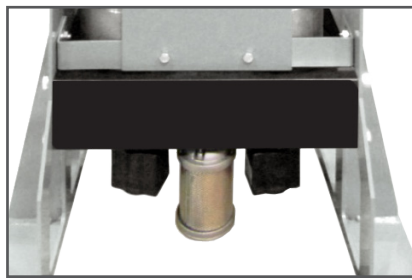
dew point control option

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

nano-purification solutions
st. catharines, ontario
canada

nano-purification solutions
gateshead, tyne and wear
united kingdom

nano-purification solutions
erkelenz, germany

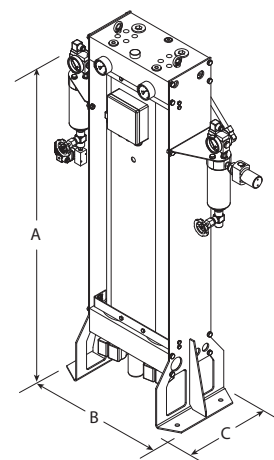
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SPECIFICATIONS

dryer model	inlet & outlet	rated flow ⁽¹⁾		dimensions (inches)			approx. weight
	NPT	scfm	A	B	C	lbs	
DHC / 100 (1450 psig)							
DHC8/100	½"	77	40.9	30.7	14.5	187	
DHC13/100	½"	115	46.6	30.7	14.5	212	
DHC18/100	½"	159	52.7	30.7	14.5	240	
DHC26/100	½"	203	58.6	30.7	14.5	269	
DHC31/100	½"	250	68.5	30.7	14.5	295	
DHC41/100	¾"	333	74.8	33.4	14.5	346	
DHC52/100	¾"	394	74.8	33.4	14.5	379	
DHC59/100	¾"	447	82.6	33.4	14.5	425	
DHC66/100	¾"	486	92.5	33.4	14.5	481	
DHC / 350 (5075 psig)							
DHC8/350	½"	132	43.1	30.7	14.5	287	
DHC13/350	½"	206	46.8	30.7	14.5	333	
DHC18/350	½"	283	52.7	30.7	14.5	390	
DHC26/350	½"	363	40.6	30.7	14.5	421	
DHC31/350	½"	447	66.9	30.7	14.5	626	
DHC41/350	¾"	647	66.9	33.4	14.5	626	
DHC52/350	¾"	765	82.6	33.4	14.5	745	
DHC59/350	¾"	868	82.6	33.4	14.5	785	
DHC66/350	¾"	942	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/m³)	-
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@nano-purification.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@nano-purification.com or contact 704.897.2182.