

HEAT nano heatless modular desiccant air dryers **D1|2**



The advanced design of the D¹ and D² heatless modular desiccant air dryers provide efficient clean dry air for a wide range of industrial applications. These dryers use the pressure swing adsorption principle in a modular design to dehydrate and purify your compressed air in a simple, compact package.

dryer model	pre filter ⁽¹⁾	after filter ⁽¹⁾	inlet & outlet	rated flow ⁽³⁾		dimensions (inches)			approx. weight
	model	model	NPT (F) ⁽²⁾	scfm	Nm ³ /h	A	B	C	lbs
D¹									
NDL 010 F	NF 0008 M01	integrated	3/8" ⁽²⁾	3	5.1	17.3	10.4	8.7	19.8
NDL 020 F	NF 0008 M01	integrated	3/8" ⁽²⁾	5	8.5	17.3	10.4	8.7	19.8
NDL 030 F	NF 0015 M01	integrated	3/8" ⁽²⁾	10	17	25.6	10.4	8.7	29.8
NDL 040 F	NF 0015 M01	integrated	3/8" ⁽²⁾	15	25.5	35.0	10.4	13.0	40.8
NDL 050 F	NF 0025 M01	integrated	1/2" ⁽²⁾	24	40.8	46.8	10.4	13.0	56.2
D²									
NDL 060 F	NF 0090 M01	integrated	1"	34	58	29.2	16.8	11.1	88
NDL 070 F	NF 0090 M01	integrated	1"	41	70	29.2	16.8	11.1	88
NDL 080 F	NF 0090 M01	integrated	1"	53	90	36.3	16.8	11.1	119
NDL 090 F	NF 0090 M01	integrated	1"	66	112	36.3	16.8	11.1	119
NDL 100 F	NF 0090 M01	integrated	1"	88	150	43.2	16.8	11.1	141
NDL 110 F	NF 0135 M01	integrated	1"	106	180	49.1	16.8	11.1	167
NDL 120 F	NF 0175 M01	integrated	1"	132	224	58.9	16.8	11.1	200
NDL 130 F	NF 0175 M01	integrated	1"	177	301	72.7	16.8	11.1	247

specifications	standard	optional
maximum particle size (ISO class) ⁽⁴⁾	class 2 (1 micron)	class 1 (0.01 micron) ⁽⁵⁾
maximum water content (ISO class) ⁽⁴⁾	class 2 (-40°F pdp)	class 1 (-94°F)
minimum operating pressure	58 psig	-
maximum operating pressure	232 psig	-
recommended operating temp range	34 to 100°F	-
design operating temperature range	34 to 122°F	-
power supply requirements	100 to 240 VAC / 50 or 60 Hz	pneumatic ⁽⁶⁾ or 24 V DC

pressure correction factors ⁽⁷⁾												
inlet air pressure (psig)	60	75	90	100	115	130	145	160	175	190	205	232
correction factor	0.63	0.75	0.88	1	1.13	1.25	1.38	1.50	1.63	1.75	1.88	2.13

temperature correction factors ⁽⁷⁾					
inlet air temperature (°F)	75	100	104	113	122
correction factor	1	1	0.97	0.88	0.73

- (1) dryer includes a separate M01 grade pre filter (shipped loose) and a built in 1 micron after filter
- (2) NDL 010 to 050 have push to connect fittings on the inlet and outlet. All other models have NPT(F) threaded connections
- (3) at an inlet conditions of 100 psig and 100°F and a -40°F outlet pressure dew point. For all other conditions refer to the correction factors above
- (4) per ISO 8573.1:2010
- (5) with separate M01 grade after filter
- (6) all pneumatically controlled dryers are 145 psig (MWAP) (D² & D³ ONLY)
- (7) to be used as a rough guide only. All applications should be confirmed by nano. Contact support@n-psi.com



D¹/₂ heatless modular

low dew point desiccant air dryers



The advanced design of the D¹ and D² low dew point heatless modular desiccant air dryers provide efficient clean dry air for a wide range of industrial applications when a dew point of -94°F is required. These dryers use the pressure swing adsorption principle in a modular design to dehydrate and purify your compressed air in a simple, compact package.

dryer model	stage 1 pre filter ⁽¹⁾	stage 2 pre filter ⁽¹⁾	after filter ⁽¹⁾	inlet & outlet	rated flow ⁽³⁾		dimensions (inches)			approx. weight
	model	model	model	NPT (F) ⁽²⁾	scfm	Nm ³ /h	A	B	C	lbs
D¹										
NDL 010 F2 LDP	NF 0008 M1	NF 0008 M01	integrated	3/8" ⁽²⁾	2	3.4	17.3	10.4	8.7	19.8
NDL 020 F2 LDP	NF 0008 M1	NF 0008 M01	integrated	3/8" ⁽²⁾	3	5.1	17.3	10.4	8.7	19.8
NDL 030 F2 LDP	NF 0015 M1	NF 0015 M01	integrated	3/8" ⁽²⁾	7	11.9	25.6	10.4	8.7	29.8
NDL 040 F2 LDP	NF 0015 M1	NF 0015 M01	integrated	3/8" ⁽²⁾	10	17.0	35.0	10.4	13.0	40.8
NDL 050 F2 LDP	NF 0025 M1	NF 0025 M01	integrated	1/2" ⁽²⁾	16	27.2	46.8	10.4	13.0	56.2
D²										
NDL 060 F2 LDP	NF 0090 M1	NF 0090 M01	integrated	1"	23	39.1	29.2	16.8	11.1	88
NDL 070 F2 LDP	NF 0090 M1	NF 0090 M01	integrated	1"	28	47.6	29.2	16.8	11.1	88
NDL 080 F2 LDP	NF 0090 M1	NF 0090 M01	integrated	1"	37	62.9	36.3	16.8	11.1	119
NDL 090 F2 LDP	NF 0090 M1	NF 0090 M01	integrated	1"	46	78.2	36.3	16.8	11.1	119
NDL 100 F2 LDP	NF 0090 M1	NF 0090 M01	integrated	1"	61	103.6	43.2	16.8	11.1	141
NDL 110 F2 LDP	NF 0135 M1	NF 0135 M01	integrated	1"	74	125.7	49.1	16.8	11.1	167
NDL 120 F2 LDP	NF 0175 M1	NF 0175 M01	integrated	1"	92	156.3	58.9	16.8	11.1	200
NDL 130 F2 LDP	NF 0175 M1	NF 0175 M01	integrated	1"	124	210.7	72.7	16.8	11.1	247

specifications	standard	optional
maximum particle size (ISO class) ⁽⁴⁾	class 2 (1 micron)	class 1 (0.01 micron) ⁽⁵⁾
maximum water content (ISO class) ⁽⁴⁾	class 1 (-94°F pdp)	class 2 (-40°F)
minimum operating pressure	58 psig	-
maximum operating pressure	232 psig	-
recommended operating temp range	34 to 85°F	-
design operating temperature range	34 to 100°F	-
power supply requirements	100 to 240 VAC / 50 or 60 Hz	pneumatic ⁽⁶⁾ or 24 VDC

pressure correction factors ⁽⁷⁾												
inlet air pressure (psig)	60	75	90	100	115	130	145	160	175	190	205	232
correction factor	0.63	0.75	0.88	1	1.13	1.25	1.38	1.50	1.63	1.75	1.88	2.13

temperature correction factors ⁽⁷⁾											
inlet air temperature (°F)	85										
correction factor	1										

- (1) dryer includes a separate M1 & M01 grade pre filters with timer drains (shipped loose) and a built in 1 micron after filter
- (2) NDL 010 to 050 have push to connect fittings on the inlet and outlet. All other models have NPT(F) threaded connections
- (3) at an inlet conditions of 100 psig and 85°F and a -94°F outlet pressure dew point. For all other conditions refer to the correction factors above
- (4) per ISO 8573.1:2010
- (5) with separate M01 grade after filter
- (6) all pneumatically controlled dryers are 145 psig (MWAP) (D² & D³ ONLY)
- (7) to be used as a rough guide only. All applications should be confirmed by nano. Contact support@n-psi.com
- (8) once the unit is online it has to run continuously to achieve and maintain the low dew point
- (9) standard scope should be 1 micron and 0.01 micron pre filters with timed solenoid drains



HEATX nano heatless modular desiccant air dryers

D³



The advanced design of the D³ modular desiccant air dryer provides efficient and effective clean dry air for a wide range of industrial applications. These dryers use the pressure swing adsorption principle in a multiple tower design to dehydrate and purify your compressed air in a simple, compact package.

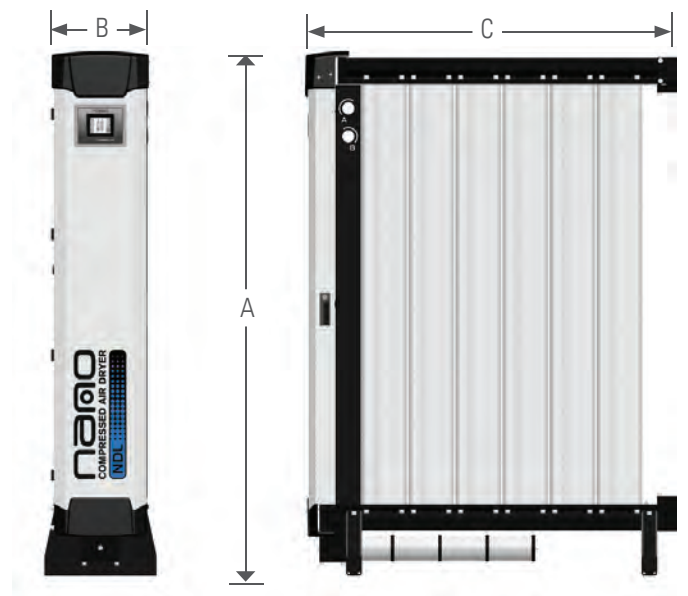
dryer model	pre filter ⁽¹⁾	after filter ⁽¹⁾	inlet & outlet	rated flow ⁽²⁾		dimensions (inches)			approx. weight
	model	model	NPT(f)	scfm	Nm ³ /h	A	B	C	lbs
NDL 2110 F	NF 0450 M01	integrated	2"	212	360	50.5	15.7	26.8	214
NDL 2120 F	NF 0450 M01	integrated	2"	276	469	60.4	15.7	26.8	394
NDL 2130 F	NF 0450 M01	integrated	2"	400	680	74.1	15.7	26.8	575
NDL 3130 F	NF 0700 M01	integrated	2"	560	951	74.1	15.7	33.4	548
NDL 4130 F	NF 0850 M01	integrated	2 ½"	750	1274	74.1	15.7	40.0	729
NDL 6120 F	NF 0850 M01	integrated	2 ½"	828	1407	60.4	15.7	53.2	967
NDL 6130 F	NF 1250 M01	integrated	2 ½"	1110	1886	74.1	15.7	53.2	1373

specifications	standard	optional
maximum particle size (ISO class) ⁽³⁾	class 2 (1 micron)	class 1 (0.01 micron) ⁽⁴⁾
maximum water content (ISO class) ⁽³⁾	class 2 (-40°F pdp)	class 1 (-94°F) (see page 26 for pricing)
minimum operating pressure	58 psig	-
maximum operating pressure	145 psig	232 psig (consult factory) ⁽⁵⁾
recommended operating temp range	34 to 100°F	-
design operating temperature range	34 to 122°F	-
power supply requirements	100 to 240 VAC / 50 or 60 Hz	pneumatic ⁽⁶⁾ or 24 VDC

pressure correction factors ⁽⁷⁾							
inlet air pressure (psig)	60	75	90	100	115	130	145
correction factor	0.63	0.75	0.88	1	1.13	1.25	1.38

temperature correction factors ⁽⁷⁾						
inlet air temperature (°F)	75	100	104	113	122	
correction factor	1	1	0.97	0.88	0.73	

- (1) dryer includes a separate M01 grade pre filter (shipped loose) and a built in 1 micron after filter
- (2) at an inlet conditions of 100 psig and 100°F and a -40°F outlet pressure dew point. For all other conditions refer to the correction factors above
- (3) per ISO 8573.1:2010
- (4) with separate M01 grade after filter
- (5) 232 psig (MAWP) optional rating for USA
- (6) all pneumatically controlled dryers are 145 psig (MAWP) (D² & D³ ONLY)
- (7) to be used as a rough guide only. All applications should be confirmed by nano. Contact support@n-psi.com



D³ heatless modular

low dew point desiccant air dryers



The advanced design of the D³ modular desiccant air dryer provides efficient and effective clean dry air for a wide range of industrial applications when a dew point of -94°F is required. These dryers use the pressure swing adsorption principle in a multiple tower design to dehydrate and purify your compressed air in a simple, compact package.

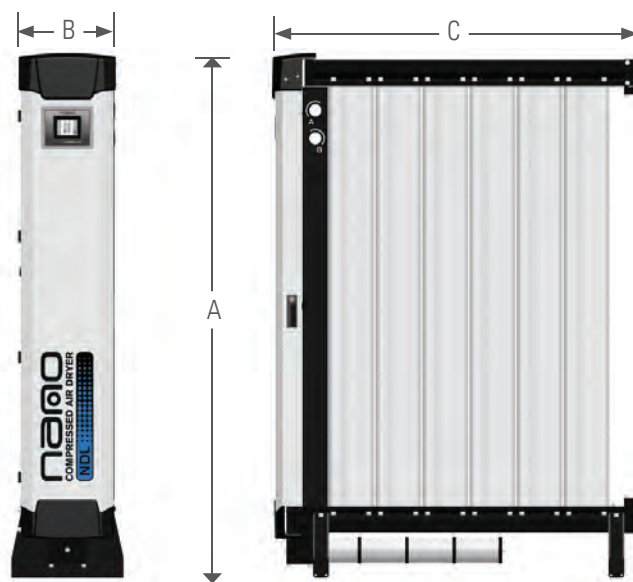
dryer model	stage 1 pre filter ⁽¹⁾	stage 2 pre filter ⁽¹⁾	after filter ⁽¹⁾	inlet & outlet	rated flow ⁽²⁾		dimensions (inches)			approx. weight
	model	model	model	NPT(f)	scfm	Nm ³ /h	A	B	C	lbs
NDL 2110 F2 LDP	NF 0450 M1	NF 0450 M01	integrated	2"	148	251.5	50.5	15.7	26.8	214
NDL 2120 F2 LDP	NF 0450 M1	NF 0450 M01	integrated	2"	193	327.9	60.4	15.7	26.8	394
NDL 2130 F2 LDP	NF 0450 M1	NF 0450 M01	integrated	2"	280	475.7	74.1	15.7	26.8	575
NDL 3130 F2 LDP	NF 0700 M1	NF 0700 M01	integrated	2"	392	666.0	74.1	15.7	33.4	548
NDL 4130 F2 LDP	NF 0850 M1	NF 0850 M01	integrated	2 1/2"	525	892.0	74.1	15.7	40.0	729
NDL 6120 F2 LDP	NF 0850 M1	NF 0850 M01	integrated	2 1/2"	580	985.4	60.4	15.7	53.2	967
NDL 6130 F2 LDP	NF 1250 M1	NF 1250 M01	integrated	2 1/2"	777	1320.1	74.1	15.7	53.2	1373

specifications	standard	optional
maximum particle size (ISO class) ⁽³⁾	class 2 (1 micron)	class 1 (0.01 micron) ⁽⁴⁾
maximum water content (ISO class) ⁽³⁾	class 1 (-94°F pdp)	class 2 (-40°F) (see page 25 for pricing)
minimum operating pressure	58 psig	-
maximum operating pressure	145 psig	232 psig (consult factory) ⁽⁵⁾
recommended operating temp range	34 to 85°F	-
design operating temperature range	34 to 100°F	-
power supply requirements	100 to 240 VAC / 50 or 60 Hz	pneumatic ⁽⁶⁾ or 24 V DC

pressure correction factors ⁽⁷⁾							
inlet air pressure (psig)	60	75	90	100	115	130	145
correction factor	0.63	0.75	0.88	1	1.13	1.25	1.38

temperature correction factors ⁽⁷⁾	
inlet air temperature (°F)	85
correction factor	1

- (1) dryer includes a separate M1 & M01 grade pre filters (shipped loose) and a built in 1 micron after filter
- (2) at an inlet conditions of 100 psig and 85°F and a -94°F outlet pressure dew point. For all other conditions refer to the correction factors above
- (3) per ISO 8573.1:2010
- (4) with separate M01 grade after filter
- (5) 232 psig (MAWP) optional rating for USA
- (6) all pneumatically controlled dryers are 145 psig (MWAP) (D² & D³ ONLY)
- (7) to be used as a rough guide only. All applications should be confirmed by nano. Contact support@n-psi.com
- (8) standard scope should be 1.0 micron and 0.01 micron pre filters with timed solenoid drains. 1 micron built in after filter





pneumatic heatless modular desiccant air dryers

D²

The advanced design of the D² modular desiccant air dryer provides a perfect platform for full pneumatic control of the pressure swing adsorption technology. This compact and versatile solution will satisfy all intrinsically safe applications.

dryer model	pre filter ⁽¹⁾	after filter ⁽¹⁾	inlet & outlet	rated flow ⁽³⁾		dimensions (inches)			approx. weight
	model	model	NPT (F) ⁽²⁾	scfm	Nm ³ /h	A	B	C	lbs
NDL 060-F PNU	NF 0090 M01	integrated	1"	34	58	28.9	16.7	12.4	97
NDL 070-F PNU	NF 0090 M01	integrated	1"	41	70	28.9	16.7	12.4	97
NDL 080-F PNU	NF 0090 M01	integrated	1"	53	90	36.0	16.7	12.4	119
NDL 090-F PNU	NF 0090 M01	integrated	1"	66	112	36.0	16.7	12.4	119
NDL 100-F PNU	NF 0090 M01	integrated	1"	88	150	42.9	16.7	12.4	141
NDL 110-F PNU	NF 0135 M01	integrated	1"	106	180	48.8	16.7	12.4	169
NDL 120-F PNU	NF 0175 M01	integrated	1"	132	224	58.6	16.7	12.4	196
NDL 130-F PNU	NF 0175 M01	integrated	1"	177	301	72.4	16.7	12.4	240

specifications	standard	optional
maximum particle size (ISO class) ⁽⁴⁾	class 2 (1 micron)	class 1 (0.01 micron) ⁽⁵⁾
maximum water content (ISO class) ⁽⁴⁾	class 2 (-40°F pdp)	-
minimum operating pressure	87 psig	-
maximum operating pressure	232 psig	-
recommended operating temp range	34 to 95°F	-
design operating temperature range	34 to 122°F	-

pressure correction factors ⁽⁶⁾												
inlet air pressure (psig)	60	75	90	100	115	130	145	160	175	190	205	232
correction factor	0.63	0.75	0.88	1	1.13	1.25	1.38	1.50	1.63	1.75	1.88	2.13

temperature correction factors ⁽⁶⁾					
inlet air temperature (°F)	75	100	104	113	122
correction factor	1	0.96	0.96	0.88	0.73

- (1) dryer includes a separate M01 grade pre filter (shipped loose) and a built in 1 micron after filter
- (2) models have NPT(F) threaded connections
- (3) at an inlet conditions of 100 psig and 100°F and a -40°F outlet pressure dew point. For all other conditions refer to the correction factors above
- (4) per ISO 8573.1:2010
- (5) with separate M01 grade after filter
- (6) to be used as a rough guide only. All applications should be confirmed by nano. Contact support@n-psi.com



NDL 060-F-PNU to NDL 130-F-PNU

D³ pneumatic heatless modular desiccant air dryers



The advanced design of the D³ modular desiccant air dryer provides a perfect platform for full pneumatic control of the pressure swing adsorption technology. This compact and versatile solution will satisfy all intrinsically safe applications.

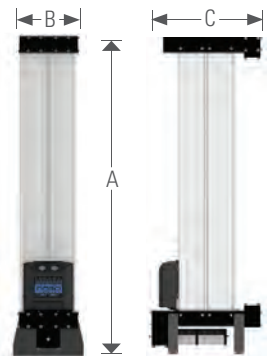
dryer model	pre filter ⁽¹⁾	after filter ⁽¹⁾	inlet & outlet	rated flow ⁽²⁾		dimensions (inches)			approx. weight
	model	model	NPT(f)	scfm	Nm ³ /h	A	B	C	lbs
NDL 2110-F PNU	NF 0450 M01	integrated	2"	212	360	49.1	15.7	25.6	366
NDL 2120-F PNU	NF 0450 M01	integrated	2"	276	469	59.0	15.7	25.6	441
NDL 2130-F PNU	NF 0450 M01	integrated	2"	400	680	72.7	15.7	25.6	547
NDL 3130-F PNU	NF 0700 M01	integrated	2"	560	951	72.7	15.7	32.2	778
NDL 4130-F PNU	NF 0850 M01	integrated	2 ½"	750	1274	72.7	15.7	38.8	1010
NDL 6120-F PNU	NF 0850 M01	integrated	2 ½"	828	1407	59.0	15.7	52.0	1155
NDL 6130-F PNU	NF 1250 M01	integrated	2 ½"	1110	1886	72.7	15.7	52.0	1473

specifications	standard	optional
maximum particle size (ISO class) ⁽³⁾	class 2 (1 micron)	class 1 (0.01 micron) ⁽⁴⁾
maximum water content (ISO class) ⁽³⁾	class 2 (-40°F pdp)	-
minimum operating pressure	58 psig	-
maximum operating pressure	145 psig	-
recommended operating temp range	34 to 100°F	-
design operating temperature range	34 to 122°F	-

pressure correction factors ⁽⁵⁾							
inlet air pressure (psig)	60	75	90	100	115	130	145
correction factor	0.63	0.75	0.88	1	1.13	1.25	1.38

temperature correction factors ⁽⁵⁾					
inlet air temperature (°F)	75	100	104	113	122
correction factor	1	0.96	0.96	0.88	0.73

- (1) dryer includes a separate M01 grade pre filter (shipped loose) and a built in 1 micron after filter
- (2) at an inlet conditions of 100 psig and 100°F and a -40°F outlet pressure dew point. For all other conditions refer to the correction factors above
- (3) per ISO 8573.1:2010
- (4) with separate M01 grade after filter
- (5) To be used as a rough guide only. All applications should be confirmed by nano. Contact support@n-psi.com



NDL 2110-F-PNU to NDL 6130-F-PNU

D⁴ high pressure compact

desiccant air dryers

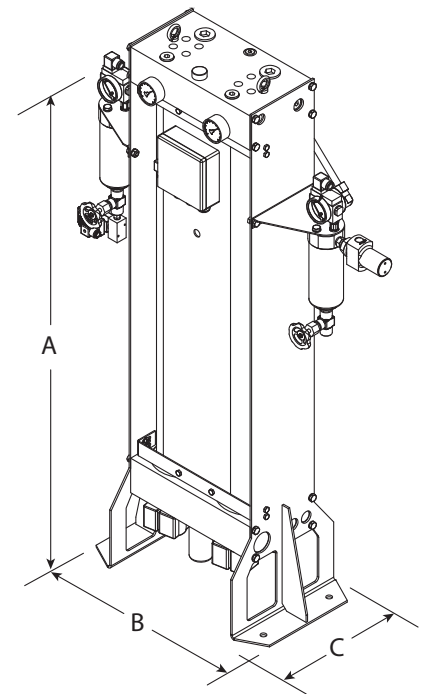


nano D⁴ high pressure compact desiccant air dryers are specifically designed for high pressure applications from 1450 to 5075 psig where floor space is limited. These compact and lightweight dryers provide continuous uninterrupted clean dry air in a simple cost effective and reliable package.

dryer model	fi	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	225	40.9	30.7	14.5	287	
DHC13/350		½"	206	350	46.8	30.7	14.5	333	
DHC18/350		½"	283	480	52.7	30.7	14.5	390	
DHC26/50		½"	365	620	58.6	30.7	14.5	461	
DHC31/350		½"	441	750	68.5	30.7	14.5	523	
DHC41/50		¾"	647	1100	66.9	33.4	14.5	626	
DHC52/350		¾"	765	1300	74.8	33.4	14.5	692	
DHC59/350		¾"	868	1475	82.6	33.4	14.5	785	
DHC66/350		¾"	942	1600	92.5	33.4	14.5	875	

specifications	DHC / 100	DHC / 350
minimum operating pressure	435 psig	435 psig
maximum operating pressure	1450 psig	5075 psig
maximum particle size (ISO class) ⁽²⁾	class 2 (1 micron)	
maximum water content (ISO class) ⁽²⁾	class 2 (-40°F pdp) ⁽³⁾	
maximum oil content (ISO class) ⁽²⁾	class 1 (0.01 mg/m ³)	
recommended operating temp 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	

materials 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	100% 4A molecular sieve



- (1) at an inlet temperature of 95°F, an inlet pressure of 1450 or 5075 psig (as applicable), and a -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. -13°F or -67°F outlet pressure dew points are available as an option
- (4) 24VDC available as an option

D⁴ high pressure twin tower

desiccant air dryers

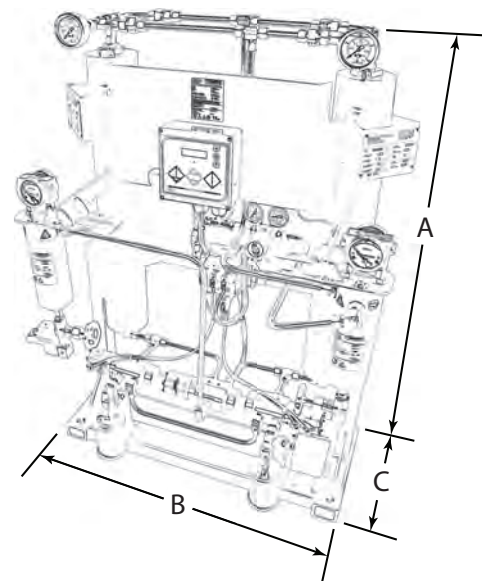


nano D⁴ high pressure desiccant air dryers are specifically designed for high pressure applications from 1450 to 5075 psig. These simple yet effective dryers provide continuous uninterrupted clean dry air in a simple cost effective and reliable package.

dryer model	fi	inlet & outlet		rated flow ⁽¹⁾		dimensions (inches)			approx. weight
		NPT	scfm	Nm ³ /h	A	B	C	lbs	
DHP / 100 (1450 psig)									
DHP5/100		½"	42	72	45.4	25.0	15.7	220	
DHP9/100		½"	51	87	47.4	25.0	15.7	243	
DHP12/100		½"	90	153	48.0	26.9	15.7	254	
DHP24/100		¾"	167	283	53.1	29.1	17.7	317	
DHP37/100		¾"	252	429	55.5	31.8	17.7	441	
DHP58/100		¾"	442	750	67.3	34.2	17.7	606	
DHP / 250 (3625 psig)									
DHP5/250		½"	68	115	45.4	25.0	15.7	243	
DHP9/250		½"	82	140	47.4	25.0	15.7	254	
DHP12/250		½"	159	270	48.0	26.9	15.7	291	
DHP24/250		¾"	294	500	53.1	29.1	17.7	430	
DHP37/250		¾"	471	800	55.5	31.8	17.7	540	
DHP58/250		¾"	824	1400	67.3	34.2	17.7	827	
DHP / 350 (5075 psig)									
DHP5/350		½"	88	150	45.4	25.0	15.7	243	
DHP9/350		½"	106	180	47.4	25.0	15.7	254	
DHP12/350		½"	177	300	48.0	26.9	15.7	320	
DHP24/350		¾"	309	525	53.1	29.1	17.7	496	
DHP37/350		¾"	500	850	55.5	31.8	17.7	617	
DHP58/350		¾"	918	1560	67.3	34.2	17.7	915	

specifications	DHP /100	DHP /250	DHP /350
minimum operating pressure	435 psig	435 psig	435 psig
maximum operating pressure	1450 psig	3625 psig	5075 psig
maximum particle size (ISO class) ⁽²⁾		class 2 (1 micron)	
maximum water content (ISO class) ⁽²⁾		class 2 (-40°F pdp) ⁽³⁾	
maximum oil content (ISO class) ⁽²⁾		class 1 (0.01 mg/m ³)	
recommended operating temp range		40 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		NEMA -4X	
valve switching power (per valve)		80 VA	

materials of construction	
vessels	carbon 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 inlet temperature of 95°F, an inlet pressure of 1450, 3625 or 5075 psig (as applicable), and a -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 points are available as an option
- (4) 24VDC available as an option

D⁵ heatless twin tower

desiccant air dryers



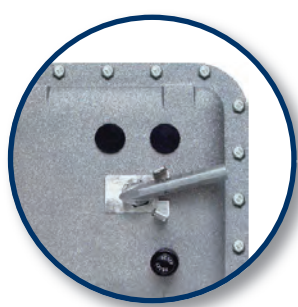
nano D⁵ heatless desiccant air dryers use expanded dry purge air to regenerate the offline bed. These simple yet effective dryers provide continuous uninterrupted clean dry air in a simple cost-effective and reliable package. Don't see the model or option you need? Just ask as they are manufactured in our USA facility.

dryer model	dryer only	dryer packages ⁽¹⁾			
		F2	F2-3V	F2-7V	F4-9V
HLA 100					
HLA 150					
HLA 200					
HLA 250					
HLA 350					
HLA 500					
HLA 650					
HLA 800					
HLA 1000					
HLA 1250					
HLA 1500					
HLA 2000					
HLA 2500					
HLA 3000					

packages ⁽¹⁾

suffix	description
F2	includes dryer plus pre-piped pre- and after filtration
F2-3V	includes dryer plus pre-piped pre- and after filtration, 3-valve bypass
F2-7V	includes dryer plus pre-piped pre- and after filtration, 7-valve bypass
F4-9V	includes dryer plus dual pre-piped pre- and after filtration, 9-valve bypass

upgrades



suffix	description
ES	integral energy saving outlet dew point control
N4X	NEMA 4X electrical protection
N7	NEMA 7 electrical protection
ZP1	Z-purge electrical protection (models HLA 50 to HLA 650)
ZP2	Z-purge electrical protection (models HLA 800 to HLA 3000)
PC	pneumatic controls
MI	visual moisture indicator*
SS1	SS control air tubing (models HLA 50 to HLA 500)
SS2	SS control air tubing (models HLA 650 to HLA 3000)
FS	failure to shift alarm
PG	additional pressure gauges (each)
TG	additional temperature gauges (each)
LA	low ambient protection (models HLA 50 to HLA 350)**
LA	low ambient protection (models HLA 500 to HLA 800)**
LA	low ambient protection (models HLA 1000 to HLA 1250)**
LA	low ambient protection (models HLA 1500)**
LA	low ambient protection (models HLA 2000)**
LA	low ambient protection (models HLA 2500)**
LA	low ambient protection (models HLA 3000)**
PDM	stand alone portable dew point monitor

* -removed when ES option is selected
 ** LA option only for dryer only or F2 filter package. CF for other filter options



HEAT nano technical **D5**

for twin tower heatless dryers

nano D⁵ heatless desiccant air dryers use expanded dry purge air to regenerate the offline bed. These simple yet effective dryers provide continuous uninterrupted clean dry air in a simple cost-effective and reliable package. Don't see the model or option you need? Just ask as they are manufactured in our USA facility.

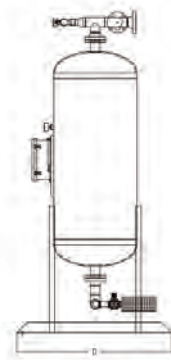
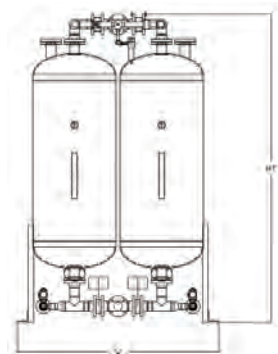
dryer model	recommended pre & after filtration ⁽¹⁾		inlet & outlet ⁽²⁾	rated flow ⁽³⁾		dimensions (inches)			approx. weight ⁽⁴⁾
	pre filter	after filter	NPT(F)/FLG	scfm	Nm ³ /h	w	d	h	lbs
HLA 100	NF0135M01	NF0135M1	1"	100	170	27.5	30	83	300
HLA 150	NF0175M01	NF0175M1	1"	150	255	31.5	33	83	415
HLA 200	NF0290M01	NF0290M1	1 1/2"	200	340	40	40	83	540
HLA 250	NF0290M01	NF0290M1	1 1/2"	250	425	40.8	46	83	590
HLA 350	NF0400M01	NF0400M1	1 1/2"	350	595	44	42	83	735
HLA 500	NF0700M01	NF0700M1	2"	500	850	48	42	83	1100
HLA 650	NF0700M01	NF0700M1	2"	650	1150	52	46	85	1600
HLA 800	NF0850M01	NF0850M1	2 1/2"	800	1359	52	46	88	2000
HLA 1000	NF1000M01	NF1000M1	3"	1000	1699	59.2	48	92	2650
HLA 1250	NF1250M01	NF1250M1	3"	1250	2124	66.7	49	107	3000
HLA 1500	NF1500M01	NF1500M1	3"	1500	2549	72.8	56	97	3500
HLA 2000	NFZ2500M01	NFZ2500M1	4"	2000	3398	72.8	56	111.1	4600
HLA 2500	NFZ2500M01	NFZ2500M1	4"	2500	4247	99	57.5	115.5	5100
HLA 3000	NFZ3500M01	NFZ3500M1	4"	3000	5097	99	57.5	125	6500

specifications	standard	optional
maximum particle size (ISO class) ⁽⁵⁾	class 2 (1 micron)	class 1 (0.01 micron)
maximum water content (ISO class) ⁽⁵⁾	class 2 (-40°F pdp)	class 1 (-94°F pdp)
minimum / design / maximum operating pressure range ⁽⁶⁾	70 psig / 100 psig / 150 psig ⁽⁷⁾	
minimum / design / maximum ambient temperature ⁽⁶⁾	38°F / 100°F / 120°F	
minimum / design / maximum inlet temperature ⁽⁶⁾	38°F / 100°F / 120°F	
power supply requirements	115V / 1 Ph/60 Hz	230V / 1 Ph/ 60 Hz & 12VDC

pressure correction factors ⁽⁶⁾										
inlet air pressure (psig)	60	70	80	90	100	110	130	140	150	
correction factor	0.65	0.74	0.83	0.91	1	1.04	1.12	1.16	1.20	

temperature correction factors ⁽⁶⁾									
inlet air temperature (°F)	70	80	90	100	105	110	115	120	
correction factor	1.12	1.10	1.06	1	0.93	0.86	0.80	0.75	

- (1) recommended for all applications and includes NPT pre and after filters mounted on the dryers. For flanged, consult factory. (add -F2 suffix)
- (2) 3" and below are NPT(F) threaded. 4" and above are flanged. All units with 3" piping and above will be ANSI welded pipe in compliance with ADF 100 specifications for compressed air dryers: Inlet temperature: 100°F, ambient temperature: 100°F, inlet pressure: 100 psig, pressure dew point: -40°F. For all other conditions refer to the correction factors above or contact support@n-psi.com
- (3) maximum working pressure for all models is 150 psig. For higher pressures, contact support@n-psi.com
- (4) approx. weight for all models does not include desiccant installed
- (5) per ISO 8573.1:2010
- (6) to be used as a rough guide only. All applications should be confirmed by nano. Contact support@n-psi.com
- (7) all models are UL/cUL compliant
- (8) all models have ASME coded pressure vessels. For other approvals, consult support@n-psi.com
- (9) specifications subject to change without notice
- (10) for sizes above 3000 scfm and pressure below 60 psig, please contact support@n-psi.com



D⁵ heatless twin tower

low dew point desiccant air dryers



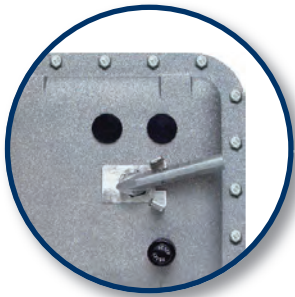
nano D⁵ low dew point heatless desiccant air dryers provide efficient clean dry air for a wide range of industrial applications when a dew point of -94°F is required. These dryers use the pressure swing adsorption principle to dehydrate and purify your compressed air. Don't see the model or option you need? Just ask as they are manufactured in our USA facility.

dryer model	dryer packages ⁽¹⁾			
	F2	F2-3V	F2-7V	F4-9V
HLA 100 LDP				
HLA 150 LDP				
HLA 200 LDP				
HLA 250 LDP				
HLA 350 LDP				
HLA 500 LDP				
HLA 650 LDP				
HLA 800 LDP				
HLA 1000 LDP				
HLA 1250 LDP				
HLA 1500 LDP				
HLA 2000 LDP				
HLA 2500 LDP				
HLA 3000 LDP				

packages ⁽¹⁾

suffix	description
F2	includes dryer plus pre-piped pre- and after filtration
F2-3V	includes dryer plus pre-piped pre- and after filtration, 3-valve bypass
F2-7V	includes dryer plus pre-piped pre- and after filtration, 7-valve bypass
F4-9V	includes dryer plus dual pre-piped pre- and after filtration, 9-valve bypass

upgrades



suffix	description
ES	integral energy saving outlet dew point control
N4X	NEMA 4X electrical protection
N7	NEMA 7 electrical protection
ZP1	Z-purge electrical protection (models HLA 50 to HLA 650)
ZP2	Z-purge electrical protection (models HLA 800 to HLA 3000)
PC	pneumatic controls
MI	visual moisture indicator*
SS1	SS control air tubing (models HLA 50 to HLA 500)
SS2	SS control air tubing (models HLA 650 to HLA 3000)
FS	failure to shift alarm
PG	additional pressure gauges (each)
TG	additional temperature gauges (each)
LA	low ambient protection (models HLA 50 to HLA 350)**
LA	low ambient protection (models HLA 500 to HLA 800)**
LA	low ambient protection (models HLA 1000 to HLA 1250)**
LA	low ambient protection (models HLA 1500)**
LA	low ambient protection (models HLA 2000)**
LA	low ambient protection (models HLA 2500)**
LA	low ambient protection (models HLA 3000)**
PDM	stand alone portable dew point monitor

* -removed when ES option is selected
 ** LA option only for dryer only or F2 filter package. CF for other filter options



for twin tower low dew point heatless dryers

nano D⁵ low dew point heatless desiccant air dryers provide efficient clean dry air for a wide range of industrial applications when a dew point of -94°F is required. These dryers use the pressure swing adsorption principle to dehydrate and purify your compressed air. Don't see the model or option you need? Just ask as they are manufactured in our USA facility.

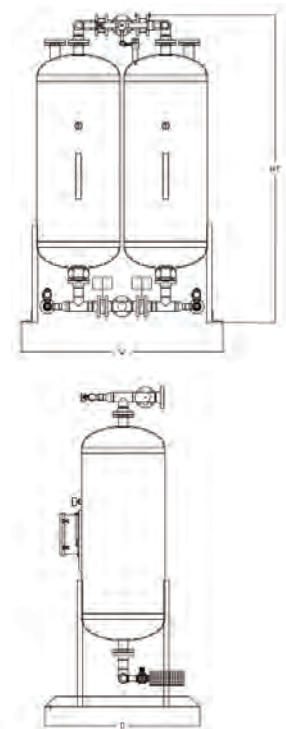
dryer model	recommended pre & after filtration ⁽¹⁾			inlet & outlet ⁽²⁾ NPT(F)/FLG	rated flow ⁽³⁾		dimensions (inches)			approx. weight ⁽⁴⁾ lbs
	stage 1 pre filter	stage 2 pre filter	after filter		scfm	Nm ³ /h	w	d	h	
HLA 100 LDP	NF0135M1	NF0135M01	NF0135M1	1"	100	170	27.5	30	83	300
HLA 150 LDP	NF0175M1	NF0175M01	NF0175M1	1"	150	255	31.5	33	83	415
HLA 200 LDP	NF0290M1	NF0290M01	NF0290M1	1 1/2"	200	340	40	40	83	540
HLA 250 LDP	NF0290M1	NF0290M01	NF0290M1	1 1/2"	250	425	40.8	46	83	590
HLA 350 LDP	NF0400M1	NF0400M01	NF0400M1	1 1/2"	350	595	44	42	83	735
HLA 500 LDP	NF0700M1	NF0700M01	NF0700M1	2"	500	850	48	42	83	1100
HLA 650 LDP	NF0700M1	NF0700M01	NF0700M1	2"	650	1150	52	46	85	1600
HLA 800 LDP	NF0850M1	NF0850M01	NF0850M1	2 1/2"	800	1359	52	46	88	2000
HLA 1000 LDP	NF1000M1	NF1000M01	NF1000M1	3"	1000	1699	59.2	48	92	2650
HLA 1250 LDP	NF1250M1	NF1250M01	NF1250M1	3"	1250	2124	66.7	49	107	3000
HLA 1500 LDP	NF1500M1	NF1500M01	NF1500M1	3"	1500	2549	72.8	56	97	3500
HLA 2000 LDP	NFZ2500M1	NFZ2500M01	NFZ2500M1	4"	2000	3398	72.8	56	111.1	4600
HLA 2500 LDP	NFZ2500M1	NFZ2500M01	NFZ2500M1	4"	2500	4247	99	57.5	115.5	5100
HLA 3000 LDP	NFZ3500M1	NFZ3500M01	NFZ3500M1	4"	3000	5097	99	57.5	125	6500

specifications	standard	optional
maximum particle size (ISO class) ⁽⁵⁾	class 2 (1 micron)	class 1 (0.01 micron)
maximum water content (ISO class) ⁽⁵⁾	class 1 (-94°F pdp)	
minimum / design / maximum operating pressure range ⁽⁶⁾	70 psig / 100 psig / 150 psig ⁽⁷⁾	
minimum / maximum ambient temperature ⁽⁶⁾	38°F / 85°F	
minimum / maximum inlet temperature ⁽⁶⁾	38°F / 85°F	
power supply requirements	115V / 1 Ph/60 Hz	230V / 1 Ph/ 60 Hz & 12 VDC

pressure correction factors ⁽⁶⁾									
inlet air pressure (psig)	60	70	80	90	100	110	130	140	150
correction factor	0.65	0.74	0.83	0.91	1	1.04	1.12	1.16	1.20

temperature correction factors ⁽⁶⁾								
inlet air temperature (°F)	70	80	90	100	105	110	115	120
correction factor	1.12	1.10	1.06	1	0.93	0.86	0.80	0.75

- (1) includes separate NPT M1 & M01 grade pre filters with timer drains and 1 micron after filter mounted on the dryers. For flanged, consult factory. (add -F2 suffix)
- (2) 3" and below are NPT(F) threaded. 4" and above are flanged. All units with 3" piping and above will be ANSI welded pipe
- (3) at inlet conditions of 100 psig and 85°F and a -94°F outlet pressure dew point. For all other conditions, refer to the correction factors above or contact support@n-psi.com
- (4) approx. weight for all models does not include desiccant installed
- (5) per ISO 8573.1:2010
- (6) to be used as a rough guide only. All applications should be confirmed by nano. Contact support@n-psi.com
- (7) maximum working pressure for all models is 150 psig. For higher pressures, contact support@n-psi.com
- (8) all models are UL/cUL compliant
- (9) all models have ASME coded pressure vessels. For other approvals, consult support@n-psi.com
- (10) specifications subject to change without notice
- (11) for sizes above 3000 scfm and pressure below 60 psig, please contact support@n-psi.com
- (12) once the unit is online it has to run continuously to achieve and maintain the low dew point



D⁵

externally heated twin tower

desiccant air dryers



nano D⁵ externally heated desiccant air dryers use an electric heater to heat the dry purge air used for regeneration, increasing efficiency and reducing the amount of purge air required. For consistent performance and cost-effective operation, these dryers are an excellent choice. Don't see the model or option you need? Just ask as they are manufactured in our USA facility.

dryer model	dryer only	dryer packages ⁽¹⁾			
		F2	F2-3V	F2-7V	F4-9V
EHA 100					
EHA 175					
EHA 250					
EHA 350					
EHA 500					
EHA 700					
EHA 850					
EHA 1000					
EHA 1350					
EHA 1700					
EHA 2100					
EHA 2400					
EHA 3100					
EHA 3800					
EHA 4300					
EHA 5000					

packages ⁽¹⁾

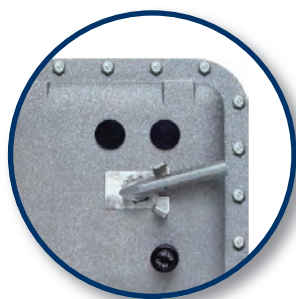
suffix	description
F2	includes dryer plus pre-piped pre- and after filtration
F2-3V	includes dryer plus pre-piped pre- and after filtration, 3-valve bypass
F2-7V	includes dryer plus pre-piped pre- and after filtration, 7-valve bypass
F4-9V	includes dryer plus dual pre-piped pre- and after filtration, 9-valve bypass

upgrades

suffix	description
ES	integral energy saving outlet dew point control
N4X	NEMA 4 electrical protection
N7	NEMA 7 electrical protection
ZP1	Z-purge electrical protection (models EHA 100 to EHA 700)
ZP2	Z-purge electrical protection (models EHA 850 to EHA 5000)
MI	visual moisture indicator*
SS1	SS control air tubing (models EHA 100 to EHA 700)
SS2	SS control air tubing (models EHA 850 to EHA 5000)
FS	failure to shift alarm
PG	additional pressure gauges (each)
TG	additional temperature gauges (each)
LA	low ambient protection (models EHA 100 to EHA 500)**
LA	low ambient protection (models EHA 700 to EHA 1000)**
LA	low ambient protection (models EHA 1350 to EHA 1700)**
LA	low ambient protection (models EHA 2100 to EHA 3800)**
LA	low ambient protection (models EHA 4300 to EHA 5000)**
TI1	tower insulation (models EHA 100 to EHA 700)
TI2	tower insulation (models EHA 850 to EHA 1350)
TI3	tower insulation (models EHA 1700 to EHA 2400)
TI4	tower insulation (models EHA 3100 to EHA 3800)
TI5	tower insulation (models EHA 4300 to EHA 5000)
PDM	stand alone portable dew point monitor

* -removed when ES option is selected

** LA option only for dryer only or F2 filter package. CF for other filter options





HEAT nano technical **D5**

for twin tower externally heated dryers

nano D⁵ externally heated desiccant air dryers use an electric heater to heat the dry purge air used for regeneration, increasing efficiency and reducing the amount of purge air required. For consistent performance and cost-effective operation, these dryers are an excellent choice. Don't see the model or option you need? Just ask as they are manufactured in our USA facility.

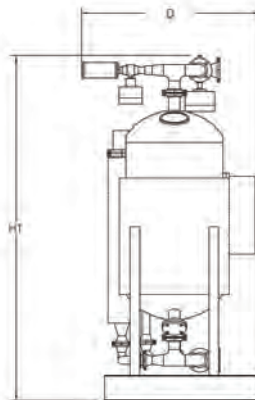
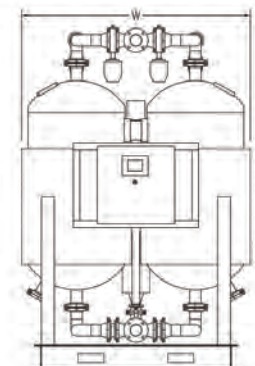
dryer model	recommended pre & after filtration ⁽¹⁾		inlet & outlet ⁽²⁾ NPT(F)/FLG	rated flow ⁽³⁾		heater kW	dimensions (inches)			approx. weight ⁽⁴⁾ lbs
	pre filter	after filter		scfm	Nm ³ /h		w	d	h	
EHA 100	NF 0135 M01	NHT 0150 M1	1"	100	170	2	44	42	83	700
EHA 175	NF 0290 M01	NHT 0300 M1	1 1/2"	175	297	3	40	42	83	825
EHA 250	NF 0290 M01	NHT 0300 M1	1 1/2"	250	425	4.5	44	42	83	900
EHA 350	NF 0450 M01	NHT 0450 M1	2"	350	595	6	48	42	83	1500
EHA 500	NF 0700 M01	NHT 0650 M1	2"	500	849	10	49.8	40	85	2400
EHA 700	NF 0700 M01	NHT 1000 M1	2"	700	1189	15	51	49.8	88	2900
EHA 850	NF 1000 M01	NHT 1000 M1	3"	850	1444	18	71	58.3	92	3350
EHA 1000	NF 1000 M01	NHT 1000 M1	3"	1000	1699	18	71	58.3	107	3800
EHA 1350	NF 1500 M01	NHT 1600 M1	3"	1350	2294	25	70.8	53.7	105.5	5000
EHA 1700	NFZ 2500 M01	NFZ 2500 M1HT	4"	1700	2888	30	83.1	56.7	95.5	5500
EHA 2100	NFZ 2500 M01	NFZ 2500 M1HT	4"	2100	3568	38	83.1	56.7	106	7200
EHA 2400	NFZ 2500 M01	NFZ 2500 M1HT	4"	2400	4077	50	83.1	55.7	114	8750
EHA 3100	NFZ 3500 M01	NFZ 3500 M1HT	6"	3100	5267	60	102.4	68	117.5	11,000
EHA 3800	NFZ 4000 M01	NFZ 4000 M1HT	6"	3800	6456	67	108.4	71	115.5	14,200
EHA 4300	NFZ 5000 M01	NHT 5000 M1HT	6"	4300	7306	75	108.4	71	122.8	16,300
EHA 5000	NFZ 5000 M01	NHT 5000 M1HT	6"	5000	8495	100	116	83	119.5	17,600

specifications	standard	optional
maximum particle size (ISO class) ⁽⁵⁾	class 2 (1 micron)	class 1 (0.01 micron)
maximum water content (ISO class) ⁽⁵⁾	class 2 (-40°F pdp)	-
minimum /design / maximum operating pressure range ⁽⁶⁾	80 psig / 100 psig / 150 psig	58 to 250 psig
minimum /design / maximum ambient temperature ⁽⁶⁾	38°F/ 100°F/ 120°F	
minimum /design / maximum inlet temperature ⁽⁶⁾	38°F/ 100°F/ 120°F	
power supply requirements	460 VAC / 60 Hz	

pressure correction factors ⁽⁶⁾										
inlet air pressure (psig)	60	70	80	90	100	110	130	140	150	
correction factor	0.65	0.74	0.83	0.91	1	1.04	1.12	1.16	1.20	

temperature correction factors ⁽⁶⁾									
inlet air temperature (°F)	70	80	90	100	105	110	115	120	
correction factor	1.12	1.10	1.06	1	0.93	0.86	0.80	0.75	

- (1) recommended for all applications and includes NPT pre and after filters mounted on the dryers. For flanged, consult factory. (add -F2 suffix)
- (2) 3" and below are NPT(F) threaded. 4" and above are flanged. All units with 3" piping and above will be ANSI welded pipe
- (3) in compliance with ADF 100 specifications for compressed air dryers: Inlet temperature: 100°F, ambient temperature: 100°F, inlet pressure: 100 psig, pressure dew point: -40°F. For all other conditions refer to the correction factors above or contact support@n-psi.com
- (4) approx. weight for all models does not include desiccant installed
- (5) per ISO 8573.1:2010
- (6) to be used as a rough guide only. All applications should be confirmed by nano. Contact support@n-psi.com
- (7) maximum working pressure for all models is 150 psig. For higher pressures, contact support@n-psi.com
- (8) all models are UL/cUL compliant
- (9) all models have ASME coded pressure vessels. For other approvals, consult support@n-psi.com
- (10) specifications subject to change without notice
- (11) for sizes above 5000 scfm and pressure below 60 psig, please contact support@n-psi.com



D⁵ blower purge twin tower desiccant air dryers



The nano D⁵ blower purge desiccant air dryers use a blower and an electric heater to provide heated ambient air for regeneration. With a purge air usage to only 2% (averaged over the cycle) and an option for zero purge operation, these dryers offer the lowest cost of operation for most applications. Don't see the model or option you need? Just ask as they are manufactured in our USA facility.

dryer model	dryer only	dryer packages ⁽¹⁾			
		F2	F2-3V	F2-7V	F4-9V
BPA 250					
BPA 350					
BPA 500					
BPA 700					
BPA 850					
BPA 1000					
BPA 1350					
BPA 1700					
BPA 2100					
BPA 2400					
BPA 3100					
BPA 3800					
BPA 4300					
BPA 5000					
BPA 6250					
BPA 7750					

packages⁽¹⁾

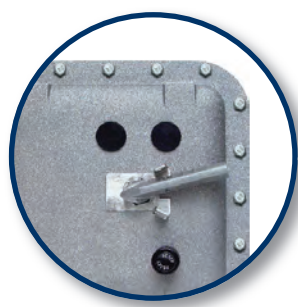
suffix	description
F2	includes dryer plus pre-piped pre- and after filtration
F2-3V	includes dryer plus pre-piped pre- and after filtration, 3-valve bypass
F2-7V	includes dryer plus pre-piped pre- and after filtration, 7-valve bypass
F4-9V	includes dryer plus dual pre-piped pre- and after filtration, 9-valve bypass

upgrades

suffix	description
ES	integral energy saving outlet dew point control
N4X	NEMA 4 electrical protection
N7	NEMA 7 electrical protection
ZP1	Z-purge electrical protection (models BPA 250 to BPA 700)
ZP2	Z-purge electrical protection (models BPA 850 to BPA 7750)
MI	visual moisture indicator*
SS1	SS control air tubing (models BPA 250 to BPA 700)
SS2	SS control air tubing (models BPA 850 to BPA 7750)
FS	failure to shift alarm
PG	additional pressure gauges (each)
TG	additional temperature gauges (each)
LA	low ambient protection (models BPA 250 to BPA 500)**
LA	low ambient protection (models BPA 700 to BPA 1000)**
LA	low ambient protection (models BPA 1350 to BPA 1700)**
LA	low ambient protection (models BPA 2100 to BPA 3800)**
LA	low ambient protection (models BPA 4300 to BPA 7750)**
T11	tower insulation (models BPA 250 to BPA 700)
T12	tower insulation (models BPA 850 to BPA 1350)
T13	tower insulation (models BPA 1700 to BPA 2400)
T14	tower insulation (models BPA 3100 to BPA 3800)
T15	tower insulation (models BPA 4300 to BPA 7750)
PDM	stand alone portable dew point monitor

* -removed when ES option is selected

** LA option only for dryer only or F2 filter package. CF for other filter options





HEAT nano technical **D5**

for twin tower blower purge dryers

The nano D⁵ blower purge desiccant air dryers use a blower and an electric heater to provide heated ambient air for regeneration. With a purge air usage to only 2% (averaged over the cycle) and an option for zero purge operation, these dryers offer the lowest cost of operation for most applications. Don't see the model or option you need? Just ask as they are manufactured in our USA facility.

dryer model	recommended pre & after filtration ⁽¹⁾		inlet & outlet ⁽²⁾	rated flow ⁽³⁾		heater	blower	dimensions (inches)			approx. weight ⁽⁴⁾
	pre filter	after filter	NPT(F)/FLG	scfm	Nm ³ /h	kW	hp	w	d	h	lbs
BPA 250	NF 0290 M01	NHT 0300 M1	1 ½"	250	425	4.5	1.5	44	56	83	1200
BPA 350	NF 0450 M01	NHT 0450 M1	2"	350	595	6	3	44	56	83	1850
BPA 500	NF 0700 M01	NHT 0650 M1	2"	500	849	10	2.75	50	60	85	2750
BPA 700	NF 0700 M01	NHT 1000 M1	2"	700	1189	15	3.42	51	62	88	3650
BPA 850	NF 1000 M01	NHT 1000 M1	3"	850	1444	18	4.6	71	67	92	4200
BPA 1000	NF 1000 M01	NHT 1000 M1	3"	1000	1699	18	6.16	71	70	107	4800
BPA 1350	NF 1500 M01	NHT 1600 M1	3"	1350	2294	25	10	70.8	70	105.5	6300
BPA 1700	NFZ 2500 M01	NFZ 2500 M1HT	4"	1700	2888	30	15	83.1	89	95.5	7000
BPA 2100	NFZ 2500 M01	NFZ 2500 M1HT	4"	2100	3568	38	15	83.1	93	106	9000
BPA 2400	NFZ 2500 M01	NFZ 2500 M1HT	4"	2400	4077	50	15	83.1	95	114	11,000
BPA 3100	NFZ 3500 M01	NFZ 3500 M1HT	6"	3100	5267	60	15	102.4	95	117.5	13,700
BPA 3800	NFZ 4000 M01	NFZ 4000 M1HT	6"	3800	6456	67	15	108.4	95	115.5	17,800
BPA 4300	NFZ 5000 M01	NFZ 5000 M1HT	6"	4300	7305	75	15	116	100	120	20,500
BPA 5000	NFZ 5000 M01	NFZ 5000 M1HT	6"	5000	8495	100	15	116	100	121.5	22,300
BPA 6250	NFZ 7500 M01	NFZ 7500 M1HT	8"	6250	10,618	125	30	122	107	129.8	25,500
BPA 7750	NFZ 8500 M01	NFZ 8500 M1HT	CF	CF	CF	CF	CF	CF	CF	CF	CF

specifications	standard	optional
maximum particle size (ISO class) ⁽⁵⁾	class 2 (1 micron)	class 1 (0.01 micron)
maximum water content (ISO class) ⁽⁵⁾	class 2 (-40°F pdp)	-
minimum / design / maximum operating pressure range ⁽⁶⁾	80 psig / 100 psig / 150 psig	58 to 250 psig
minimum / design / maximum ambient temperature ⁽⁵⁾	38°F / 100°F / 120°F	
minimum / design / maximum inlet temperature ⁽⁶⁾	38°F / 100°F / 120°F	
power supply requirements	460 VAC / 60 Hz	575V / 60 Hz or 380 VAC / 50 Hz

pressure correction factors ⁽⁶⁾									
inlet air pressure (psig)	60	70	80	90	100	110	130	140	150
correction factor	0.65	0.74	0.83	0.91	1	1.04	1.12	1.16	1.20

temperature correction factors ⁽⁶⁾								
inlet air temperature (°F)	70	80	90	100	105	110	115	120
correction factor	1.12	1.10	1.06	1	0.93	0.86	0.80	0.75

- (1) recommended for all applications and includes NPT pre and after filters mounted on the dryers. For flanged, consult factory. (add -F2 suffix)
- (2) 3" and below are NPT(F) threaded. 4" and above are flanged. All units with 3" piping and above will be ANSI welded pipe
- (3) in compliance with ADF 100 specifications for compressed air dryers: Inlet temperature: 100°F, ambient temperature: 100°F, inlet pressure: 100 psig, pressure dew point: -40°F. For all other conditions refer to the correction factors above or contact support@n-psi.com
- (4) approx. weight for all models does not include desiccant installed
- (5) per ISO 8573.1:2010
- (6) to be used as a rough guide only. All applications should be confirmed by nano. Contact support@n-psi.com
- (7) maximum working pressure for all models is 150 psig. For higher pressures, contact support@n-psi.com
- (8) all models are UL/cUL compliant
- (9) all models have ASME coded pressure vessels. For other approvals, consult support@n-psi.com
- (10) specifications subject to change without notice
- (11) for sizes above 7750 scfm and pressure below 60 psig, please contact support@n-psi.com

