

# ultra-high purity pneumatic compressed air dryers

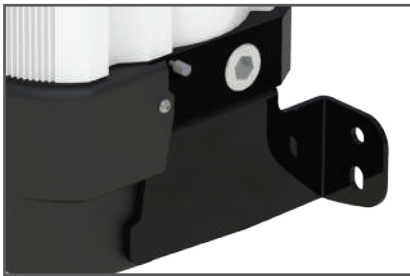
## FEATURES

- pneumatically-controlled to operate safely and efficiently in the most challenging environments
- suitable for use in any classified location where NEMA 7 explosion-proof controls are necessary or remote locations where power is either limited or unavailable
- delivers compressed air purity in accordance with ISO 8573.1:2010, Class 2 dirt (1 micron) and Class 2 water (-40°F pdp) with pneumatic controls
- features lower life cycle costs, low energy costs and simplified maintenance
- 0.01 micron pre filter and integral 1.0 micron after filter included as standard
- quiet depressurization from unique exhaust air silencers significantly reduce noise levels
- 100% tested for leaks, proper operation and dew point performance
- compact design allows installation in spaces too small for a traditional dryer
- convenient service kits for easy and efficient maintenance
- applications include oil & gas rigs, land-based drilling rigs, lumber mills and explosion-proof areas



### optimum flexibility

easy to install and ready to use, D<sup>2</sup> units can be either floor or wall mounted <sup>(1)</sup> for optimum installation flexibility



### easy to maintain

D<sup>2</sup> units contain patented, combined filter and snowstorm filled desiccant cartridges; servicing in less than 15 minutes



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## SPECIFICATIONS

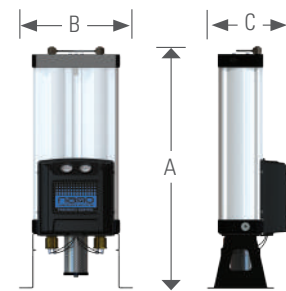
model	inlet & outlet <sup>(1)</sup>		rated flow <sup>(2)</sup>		dimensions (inches)			approx. weight
	NPT (f)	scfm	Nm <sup>3</sup> /h	A	B	C	lbs	
<b>D<sup>2</sup></b>								
NDL 060-F-PNU	1"	34	58	28.9	16.7	12.4	97	
NDL 070-F-PNU	1"	41	70	28.9	16.7	12.4	97	
NDL 080-F-PNU	1"	53	90	36.0	16.7	12.4	119	
NDL 090-F-PNU	1"	66	112	36.0	16.7	12.4	119	
NDL 100-F-PNU	1"	88	150	42.9	16.7	12.4	141	
NDL 110-F-PNU	1"	106	180	48.8	16.7	12.4	169	
NDL 120-F-PNU	1"	132	224	58.6	16.7	12.4	196	
NDL 130-F-PNU	1"	177	301	72.4	16.7	12.4	240	
<b>D<sup>3</sup></b>								
NDL 2110-F-PNU	2"	212	360	49.1	15.7	25.6	366	
NDL 2120-F-PNU	2"	276	469	59.0	15.7	25.6	441	
NDL 2130-F-PNU	2"	400	680	72.7	15.7	25.6	547	
NDL 3130-F-PNU	2"	560	951	72.7	15.7	32.2	778	
NDL 4130-F-PNU	2 ½"	750	1274	72.7	15.7	38.8	1010	
NDL 6120-F-PNU	2 ½"	828	1407	59.0	15.7	52.0	1155	
NDL 6130-F-PNU	2 ½"	1110	1886	72.7	15.7	52.0	1473	

specifications	standard	optional
maximum particle size (ISO class) <sup>(3)</sup>	class 2 (1 micron)	class 1 (0.01 micron) <sup>(4)</sup>
maximum water content (ISO class) <sup>(3)</sup>	class 2 (-40°F pdp)	-
minimum operating pressure	58 psig	-
maximum operating pressure	145 / 232 psig <sup>(5)</sup>	-
recommended operating temperature range	34 to 100°F	-
design operating temperature range	34 to 122°F	-

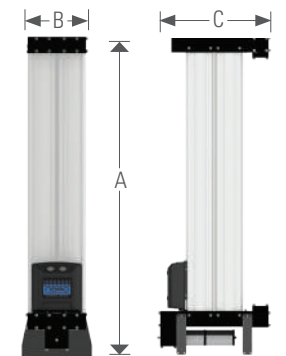
pressure correction factors <sup>(6)</sup>												
inlet air pressure (psig)	60	75	90	100	115	130	145	160	175	190	205	232
correction factor	0.63	0.75	0.88	1.00	1.13	1.25	1.38	1.50	1.63	1.75	1.88	2.13

temperature correction factors <sup>(6)</sup>					
inlet air temperature (°F)	75	100	104	113	122
correction factor	1.00	0.96	0.96	0.88	0.73

- (1) NPT(F) threaded connections on the inlet and outlet
- (2) at inlet conditions of 100 psig and 100°F and a -40°F outlet pressure dew point. For all other operating conditions refer to the correction factors above
- (3) per ISO 8573.1:2010 (E)
- (4) with separate M01 grade after filter
- (5) maximum operating pressure of 232 psig for NDL 060-F-PNU to NDL 130-F-PNU and 145 psig for NDL 2110-F-PNU to NDL 6130-F-PNU
- (6) to be used as a rough guide only. All applications should be confirmed by nano. Contact support@n-psi.com
- (7) technical specifications subject to change without notice. Direct inquiries to support@n-psi.com or contact 704.897.2182



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



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

