

ultra-high purity pneumatic compressed air dryers

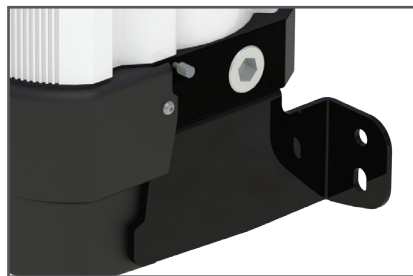
FEATURES

- 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, D² units can be either floor or wall mounted ⁽¹⁾ for optimum installation flexibility



easy to maintain

D² units contain patented, combined filter and snowstorm filled desiccant cartridges; servicing in less than 15 minutes



nano-purification solutions
Charlotte, North Carolina
United States

nano-purification solutions TN
Maryville, Tennessee
United States

nano-purification solutions Canada
St. Catharines, Ontario
Canada

nano-purification solutions Ltd.
Gateshead, Tyne and Wear
United Kingdom

nano-purification solutions GmbH
Erkelenz, Germany

nano-purification solutions Asia
Singapore

tel: 704.897.2182
fax: 704.897.2183
email: support@n-psi.com
web: www.n-psi.com

SPECIFICATIONS

model	inlet & outlet ⁽¹⁾	rated flow ⁽²⁾		dimensions (inches)			approx. weight
	NPT (f)	scfm	Nm ³ /h	A	B	C	lbs
D ²							
NDM 060 GF PNU	1"	34	58	28.9	16.7	12.4	97
NDM 070 GF PNU	1"	41	70	28.9	16.7	12.4	97
NDM 080 GF PNU	1"	53	90	36.0	16.7	12.4	119
NDM 090 GF PNU	1"	66	112	36.0	16.7	12.4	119
NDM 100 GF PNU	1"	88	150	42.9	16.7	12.4	141
NDM 110 GF PNU	1"	106	180	48.8	16.7	12.4	169
NDM 120 GF PNU	1"	132	224	58.6	16.7	12.4	196
NDM 120 GF PNU	1"	177	301	72.4	16.7	12.4	240
D ³							
NDM 2110 GF PNU	2"	212	360	49.1	15.7	25.6	366
NDM 2120 GF PNU	2"	276	469	59.0	15.7	25.6	441
NDM 2130 GF PNU	2"	400	680	72.7	15.7	25.6	547
NDM 3130 GF PNU	2"	560	951	72.7	15.7	32.2	778
NDM 4130 GF PNU	2 ½"	750	1274	72.7	15.7	38.8	1010
NDM 6120 GF PNU	2 ½"	828	1407	59.0	15.7	52.0	1155
NDM 6130 GF PNU	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 / 232 psig ⁽⁵⁾	-
recommended operating temperature range	34 to 100°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	1.00	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	1.00	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

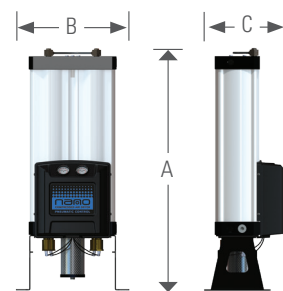
(3) per ISO 8573.1:2010 (E)

(4) with separate M01 grade after filter

(5) maximum operating pressure of 232 psig for NDM 060 GF PNU to NDM 130 GF PNU and 145 psig for NDM 2110 GF PNU to NDM 6130 GF 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



NDM 060 GF PNU to NDM 130 GF PNU



NDM 2110 GF PNU to NDM 6130 GF PNU