

# M1 membrane dryers

3.2 to 74.2 scfm

The nano M1 membrane compressed air dryer provides clean dry air for a wide range of industrial applications. Designed for minimal pressure drop and the highest drying efficiency, the dryers contain thousands of hollow fibers with a unique inner coating. As the wet compressed air enters the dryer, the membrane coating causes water vapor to permeate and collect between the fibers, while the clean, dry air continues through the dryer to its application.

dryer model	pre filters <sup>(1)</sup>	pressure dew point suppression	inlet & outlet	rated flow <sup>(2)</sup>		dimensions (inches)			approx. weight
	models	°F	NPT (F)	scfm	Nm <sup>3</sup> /h	A	B	C	lbs
DHM 0005 55F	NF 0050 M1/M01	57.6	½"	6.4	10.8	5.8	2.2	20.9	6.6
DHM 0010 55F	NF 0050 M1/M01	57.6	½"	10.6	18	5.8	2.2	20.9	6.6
DHM 0020 55F	NF 0050 M1/M01	57.6	½"	19.1	32.4	6.8	3.1	28.9	8.8
DHM 0030 55F	NF 0050 M1/M01	57.6	½"	29.7	50.4	6.8	3.1	28.9	9.3
DHM 0040 55F	NF 0050 M1/M01	57.6	½"	40.3	68.4	7.6	3.9	27.9	11.7
DHM 0050 55F	NF 0050 M1/M01	57.6	½"	53	90	7.6	3.9	27.9	12.6
DHM 0075 55F	NF 0070 M1/M01	57.6	½"	74.2	126	8.6	4.9	28.8	17.4
DHM 0003 100F	NF 0050 M1/M01	99	½"	3.2	5.4	5.8	2.2	28.1	6.6
DHM 0007 100F	NF 0050 M1/M01	99	½"	7.4	12.6	5.8	2.2	40.2	7.1
DHM 0013 100F	NF 0050 M1/M01	99	½"	12.7	21.6	6.8	3.1	42.4	10.4
DHM 0019 100F	NF 0050 M1/M01	99	½"	19.1	32.4	6.8	3.1	42.4	10.4
DHM 0028 100F	NF 0050 M1/M01	99	½"	27.5	46.8	7.6	3.9	42.4	13.4
DHM 0036 100F	NF 0050 M1/M01	99	½"	36	61.2	7.6	3.9	42.4	13.4
DHM 0055 100F	NF 0070 M1/M01	99	½"	55.1	93.6	8.6	3.9	43.8	21.4

specifications	standard
minimum operating pressure	53 psig
maximum operating pressure	203 psig
minimum ambient temperature	33.8°F
maximum ambient temperature	150.8°F
minimum inlet temperature	33.8°F
maximum inlet temperature	150.8°F

- (1) dryer includes M1 and M01 pre filters as standard (shipped loose with mounting fittings)
- (2) rated flow capacity: compressed air dryer inlet: 101.5 psig and 95°F; ambient air temperature: 77°F: 100% RH. For all other conditions consult sizing program or contact support@n-psi.com
- (3) optional: purge control valve 115/1/60 Part # = 8092352965 list price \$180.00; purge control valve 230/1/60 part # = 8092352957 list price \$180.00

