

DT1506

Aluminium nitrogen membrane module

Minimum Outlet Flow Rate ⁽¹⁾



Inlet Pressure		Purity (Remaining Oxygen Content)											
		99.5% (0.5%)		99.0% (1.0%)		98.0% (2.0%)		97.0% (3.0%)		96.0% (4.0%)		95.0% (5.0%)	
bar(g)	psi(g)	m3/hr	cfm	m3/hr	cfm	m3/hr	cfm	m3/hr	cfm	m3/hr	cfm	m3/hr	cfm
5.0	72.5	3.4	2.0	5.4	3.2	9.2	5.4	12.7	7.5	16.1	9.5	19.5	11.5
6.0	87.0	4.5	2.6	7.0	4.1	12.1	7.1	16.6	9.8	21.0	12.4	25.5	15.0
7.0	101.5	5.3	3.1	8.3	4.9	14.2	8.4	19.5	11.5	24.7	14.5	30.0	17.7
8.0	116.0	6.3	3.7	9.9	5.8	17.0	10.0	23.4	13.8	29.6	17.4	36.0	21.2
9.0	130.5	7.4	4.3	11.6	6.8	19.9	11.7	27.3	16.1	34.6	20.4	42.0	24.7
10.0	145.0	8.4	4.9	13.2	7.8	22.7	13.4	31.2	18.4	39.5	23.2	48.0	28.3
11.0	159.5	9.5	5.6	14.9	8.8	25.6	15.1	35.1	20.7	44.5	26.2	54.0	31.8
12.0	174.0	10.5	6.2	16.5	9.7	28.4	16.7	39.0	23.0	49.4	29.1	60.0	35.3
13.0	188.5	11.0	6.5	17.3	10.2	29.8	17.5	41.0	24.1	51.9	30.5	63.0	37.1

⁽¹⁾ Maximum outlet flow rate = 'Minimum outlet flow rate' + 30.0%
m³ reference to standard conditions, 20°C, 1013 mbar(a) and 0% relative water vapour pressure.

For performance figures at other purities and/or pressures, please contact Avilo.

Temperature Correction Factors

°C	°F	99.5% (0.5%)	99.0% (1.0%)	98.0% (2.0%)	97.0% (3.0%)	96.0% (4.0%)	95.0% (5.0%)
5.0	41.0	0.9	0.90	0.90	0.90	0.90	0.90
≤10.0	50.0	1.00	1.00	1.00	1.00	1.00	1.00
20.0	68.0	1.00	1.00	1.00	1.00	1.00	1.00
30.0	86.0	0.60	0.80	1.00	1.00	1.10	1.10
40.0	104.0	0.60	0.80	1.00	1.10	1.10	1.20
50.0	122.0	1.0	1.05	1.10	1.10	1.15	1.15

Product Image*



Operation Parameters

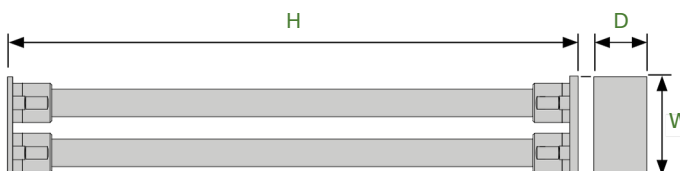
Minimum Inlet Air Quality	ISO 8573-1: 2010 Class 2.4.1	
Minimum Operating Pressure	4.0 bar(g)	58.0 psi(g)
Maximum Operating Pressure	13.0 bar(g)	189.0 psi(g)
Minimum Operating Temperature	5.0°C	41.0°F
Maximum Operating Temperature	50.0°C	122.0°F
Maximum Pressure Drop	0.8 bar(g)	11.6 psi(g)

Material & Connections

Material	Aluminium
Coating	None
Compressed Air Inlet	G¾"
Exhaust	G1"
Nitrogen Outlet	G¾"

Weight & Dimensions

Weight	15.0 kg	33.0 lbs
Height	1705 mm	67.1"
Width	296 mm	11.6"
Depth	208 mm	8.1"



*Image for representation purposes only. Please visit www.avilo.nl to download the engineering drawings and 3D model files, for an exact configuration.

NITROGEN MEMBRANE PART NUMBER CONFIGURATION

Configurator		D	T	1	5	0	6	-				-			-	A	-	0	0	A		
Model	Prefix	Purity		Prefix		Pressure		Prefix		Housing	Suf fix											
DT1506	DT1506	95.0%	950	5.0 bar(g)	05	DT1506	A															
		96.0%	960	6.0 bar(g)	06																	
		97.0%	970	7.0 bar(g)	07																	
		98.0%	980	8.0 bar(g)	08																	
		99.0%	990	9.0 bar(g)	09																	
		99.5%	995	10.0 bar(g)	10																	
				11.0 bar(g)	11																	
				12.0 bar(g)	12																	
				13.0 bar(g)	13																	

Part number configuration should be based on end user requirement to meet their application/process needs.

Example:

	Flow Rate				Purity				Pressure				Housing Material				Suf fix						
Requirement:	28.0m³/hr				@ 95.0%				7.0 bar(g) inlet				Aluminium				00A						
Selection:	30.0m³/hr				950				07				A										
																							
Part Number:	D	T	1	5	0	6	-	9	5	0	-	0	7	-	A	-	0	0	A				



Avilo Stikstof en Persluchtssystemen B.V.

part of interfilter group

Seggeweg 2, 3237 MK Vierpolders

www.avilo.nl

Reference: TSS-DT1506_EN_00

© 2025 Parker Hannifin Corporation

