

ST1508

Aluminiumnitrogen 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	3.1	1.8	4.4	2.6	7.2	4.2	9.8	5.7	13.0	7.7	16.3	9.6
6.0	87.0	4.0	2.4	5.7	3.4	9.4	5.5	12.8	7.5	17.0	10.0	21.3	12.5
7.0	101.5	4.7	2.8	6.7	3.9	11.0	6.5	15.0	8.8	20.0	11.8	25.0	14.7
8.0	116.0	5.2	3.0	7.4	4.3	12.1	7.1	16.5	9.7	2.0	1.2	27.5	16.2
9.0	130.5	6.1	3.6	8.7	5.1	14.3	8.4	19.5	11.5	26.0	15.3	32.5	19.1
10.0	145.0	6.6	3.9	9.4	5.5	15.4	9.1	21.0	12.4	28.0	16.5	35.0	20.6
11.0	159.5	7.5	4.4	10.7	6.3	17.6	10.4	24.0	14.1	32.0	18.8	40.0	23.5
12.0	174.0	8.0	4.7	11.4	6.7	18.7	11.0	25.5	15.0	34.0	20.0	42.5	25.0
13.0	188.5	8.5	5.0	12.1	7.1	19.8	11.7	27.0	15.9	36.0	21.2	45.0	26.5

⁽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 Parker.

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%)
≤10.0	50.0	0.9	0.90	0.90	0.90	0.90	0.90
20.0	68.0	1.00	1.00	1.00	1.00	1.00	1.00
30.0	86.0	1.00	1.00	1.00	1.00	1.00	1.00
40.0	104.0	0.60	0.80	1.00	1.00	1.10	1.10
50.0	122.0	0.60	0.80	1.00	1.10	1.10	1.20

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	0.2 bar(g)	2.9 psi(g)

Material & Connections

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

Weight & Dimensions

Weight	6.8 kg	15.0 lbs
Height	1655 mm	65.1"
Diameter	114 mm	4.4"



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

NITROGEN MEMBRANE PART NUMBER CONFIGURATION

Configurator																			
S	T	1	5	0	8	-				-			-	A	-	0	0	A	
Model	Prefix	Purity		Prefix		Pressure		Prefix		Housing	Suf fix								
ST1508	ST1508	95.0%		950		5.0 bar(g)		05		ST1508	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:	22.5m³/hr		@ 95.0%		7.0 bar(g) inlet		Aluminium		00A											
Selection:	25.0m³/hr		950		07		A													
Part Number:	S	T	1	5	0	8	-	9	5	0	-	0	7	-	A	-	0	0	A	



Avilo Stikstof en Persluchtsystemen B.V.

part of interfilter group

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www.avilo.nl

Reference: TSS-DT1506_EN_00

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