ST1506

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	1.6	0.9	2.2	1.3	3.4	2.0	4.7	2.8	6.0	3.5	7.4	4.4
6.0	87.0	2.0	1.2	2.8	1.7	4.4	2.6	6.1	3.6	7.8	4.6	9.7	5.7
7.0	101.5	2.4	1.4	3.3	1.9	5.2	3.1	7.2	4.2	9.2	5.4	11.4	6.7
8.0	116.0	2.9	1.7	4.0	2.3	6.2	3.7	8.6	5.1	11.0	6.5	13.7	8.1
9.0	130.5	3.4	2.0	4.6	2.7	7.3	4.3	10.1	5.9	12.9	7.6	16.0	9.4
10.0	145.0	3.8	2.3	5.3	3.1	8.3	4.9	11.5	6.8	14.7	8.7	18.2	10.7
11.0	159.5	4.3	2.5	5.9	3.5	9.4	5.5	13.0	7.7	16.6	9.8	20.5	12.1
12.0	174.0	3.2	1.9	5.2	3.1	8.1	4.8	10.9	6.4	13.8	8.1	16.6	9.8
13.0	188.5	5.0	3.0	6.9	4.1	10.9	6.4	15.1	8.9	19.3	11.4	23.9	14.1

(1) Maximum outlet flow rate = 'Minimum outlet flow rate' + 30.0%
m^3 reference to standard conditions, 20°C, 1013 mbar(a) and 0% relative water vapour pressure.

For performancefigures at otherpurities 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 InletAirQuality	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	0.3 bar(g)	4.3 psi(g)

Material & Connections

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

Weight & Dimensions

Weigh t	5.7 kg	12.5 lbs
Height	1655 mm	65.1"
Diameter	100 mm	3.9"

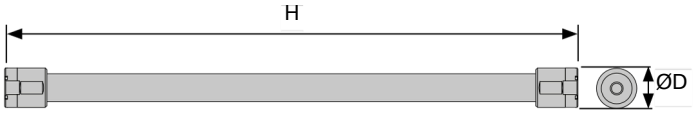

*Image for representation purposes only. Please visit www.parker.com/membranegasseparation to download the engineering drawings and 3D model files, for an exact configuration.

NITROGEN MEMBRANE PART NUMBER CONFIGURATION

Configurator	S	T	1	5	0	6	-	□	□	□	-	□	□	-	A	-	0	0	A

Model	Prefix
ST1506	ST1506

Purity	Prefix
95.0%	950
96.0%	960
97.0%	970
98.0%	980
99.0%	990
99.5%	995

Pressure	Prefix
5.0 bar(g)	05
6.0 bar(g)	06
7.0 bar(g)	07
8.0 bar(g)	08
9.0 bar(g)	09
10.0 bar(g)	10
11.0 bar(g)	11
12.0 bar(g)	12
13.0 bar(g)	13

Housing	Suf fix
ST1506	A

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

E xample:

	Flow Rate	Purity	Pressure	Housing Material	Suf fix
Requirement:	10.0m³/hr	@ 95.0%	7.0 bar(g) inlet	Aluminium	00A
Selection:	11.4m³/hr	950	07	A	

Part Number:	S	T	1	5	0	6	-	9	5	0	-	0	7	-	A	-	0	0	A

Avilo Stikstof en Persluchtsystemen B.V.
part of interfilter group
Seggeweg 2, 3237 MK Vierpolders
www.avilo.nl
Reference: TSS-DT1506_EN_00

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