

ST6010

Aluminiumnitrogen membrane module

Nominal Outlet Flow Rate ⁽¹⁾



Inlet Pressure		Purity (Remaining Oxygen Content)									
		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
5.0	72.5	2.8	1.6	4.5	2.7	6.2	3.6	7.9	4.6	9.7	5.7
6.0	87.0	3.4	2.0	5.9	3.5	8.0	4.7	10.2	6.0	12.8	7.5
7.0	101.5	4.0	2.3	6.9	4.1	9.4	5.5	12.0	7.1	14.9	8.8
8.0	116.0	4.5	2.7	7.9	4.6	10.7	6.3	13.7	8.1	17.1	10.1
9.0	130.5	5.4	3.2	9.0	5.3	12.3	7.2	15.7	9.2	19.2	11.3
10.0	145.0	5.7	3.3	9.9	5.8	13.4	7.9	17.1	10.1	21.3	12.5
11.0	159.5	6.2	3.7	10.8	6.4	14.8	8.7	18.9	11.1	23.6	13.9
12.0	174.0	6.8	4.0	11.7	6.9	16.2	9.5	20.8	12.2	25.8	15.2

⁽¹⁾ Maximum Outlet Flow Rate = 'Nominal Outlet Flow Rate' + 15%
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	99.0% (1.0%)	98.0% (2.0%)	97.0% (3.0%)	96.0% (4.0%)	95.0% (5.0%)
≤10.0	50.0	0.90	0.90	0.90	0.90	0.90
20.0	68.0	1.00	1.00	1.00	1.00	1.00
30.0	86.0	1.00	1.00	1.00	1.00	1.00
40.0	104.0	0.80	1.00	1.00	1.10	1.10
50.0	122.0	0.80	1.00	1.10	1.10	1.20

Product Image*



Operation Parameters

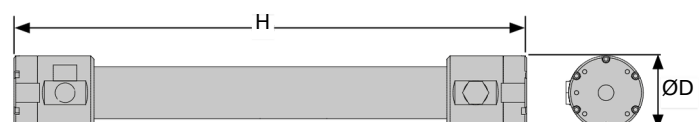
Minimum InletAirQuality	ISO 8573-1: 2010 Class 2.4.1	
Minimum Operating Pressure	4.0 bar(g)	58.0 psi(g)
Maximum Operating Pressure	12.0 bar(g)	174.0 psi(g)
Minimum Operating Temperature	5.0°C	41.0°F
Maximum Operating Temperature	50.0°C	122.0°F
Maximum Pressure Drop	0.3 bar(g)	4.3 psi(g)

Material & Connections

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

Weight & Dimensions

Weight	8.1 kg	17.9 lbs
Height	736 mm	29.0"
Diameter	139 mm	5.5"



*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	6	0	1	0	-				-			-	A	-	0	0	A		
Model	Prefix	Purity		Prefix		Pressure		Prefix		Housing		Suf fix										
ST6010	ST6010	95.0%	950	4.0 bar(g)	04	ST6010	A															
		96.0%	960	5.0 bar(g)	05																	
		97.0%	970	6.0 bar(g)	06																	
		98.0%	980	7.0 bar(g)	07																	
		99.0%	990	8.0 bar(g)	08																	
		99.5%	995	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																	

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:	13.5m³/hr	@ 95.0%	7.0 bar(g) inlet	Aluminium	00A
Selection:	14.9m³/hr	950	07	A	
Part Number:	S T 6 0 1 0	- 9 5 0	- 0 7	- S - 0 0 A	



Avilo Stikstof en Persluchtssystemen B.V.

part of interfilter group

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Reference: TSS-DT1506_EN_00

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