

SA604

Aluminiumnitrogen membrane module

Nominal 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
4.0	58.0	0.2	0.1	0.3	0.2	0.5	0.3	0.7	0.4	0.8	0.5	1.0	0.6
5.0	72.5	0.3	0.2	0.5	0.3	0.7	0.4	0.9	0.5	1.2	0.7	1.5	0.9
6.0	87.0	0.4	0.3	0.6	0.4	0.9	0.5	1.2	0.7	1.5	0.9	1.8	1.0
7.0	101.5	0.4	0.3	0.7	0.4	1.2	0.7	1.5	0.9	1.9	1.1	2.1	1.2
8.0	116.0	0.5	0.3	0.9	0.5	1.3	0.8	1.8	1.0	2.2	1.3	2.6	1.5
9.0	130.5	0.6	0.3	1.0	0.6	1.5	0.9	2.1	1.2	2.5	1.5	3.0	1.8
10.0	145.0	0.7	0.4	1.1	0.7	1.8	1.0	2.3	1.3	2.8	1.6	3.4	2.0

⁽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	99.5% (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	-	-	0.90	0.90	0.90	0.90
≤10.0	50.0	-	-	0.95	0.95	0.95	0.95
20.0	68.0	1.00	1.00	1.00	1.00	1.00	1.00
30.0	86.0	1.00	1.03	1.05	1.05	1.05	1.05
40.0	104.0	1.0	1.05	1.10	1.10	1.10	1.10
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	10.0 bar(g)	145.0 psi(g)
Minimum Operating Temperature	5.0°C	41.0°F
Maximum Operating Temperature	50.0°C	122.0°F
Maximum Pressure Drop	0.1 bar(g)	1.5 psi(g)

Material & Connections

Material	Aluminium
Coating	Powder Coated (Quartz Grey)
Compressed Air Inlet	G ³ / ₈ "
Exhaust	G ³ / ₈ "
Nitrogen Outlet	G ³ / ₈ "

Weight & Dimensions

Weight	3.2 kg	7.0 lbs
Height	757 mm	29.8"
Width	80 mm	3.1"
Depth	63 mm	2.4"



*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	A	6	0	4	-				-			-	A	-	0	0	A		
Model	Prefix	Purity		Prefix		Pressure		Prefix		Housing		Suf																					
SA604	SA604	95.0%	950	4.0 bar(g)	04	SA604	fix 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																												

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:	1.7m³/hr				@ 95.0%				7.0 bar(g) inlet				Aluminium				00A			
Selection:	2.1m³/hr				950				07				A							
Part Number:																				
S	A	6	0	4	-	9	5	0	-	0	7	-	A	-	0	0	A			



Avilo Stikstof en Persluchtssystemen B.V.

part of interfilter group

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www.avilo.nl

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