

DT604

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	1.0	0.6	1.4	0.8	2.1	1.2	2.8	1.6	3.5	2.0	4.2	2.5
6.0	87.0	1.2	0.7	1.8	1.0	2.7	1.6	3.4	2.0	4.4	2.6	5.3	3.1
7.0	101.5	1.4	0.8	2.1	1.2	3.1	1.8	3.9	2.3	5.1	3.0	6.2	3.6
8.0	116.0	1.6	0.9	2.4	1.4	3.6	2.1	4.5	2.6	5.8	3.4	7.0	4.1
9.0	130.5	1.8	1.0	2.6	1.5	4.0	2.4	5.3	3.1	6.6	3.9	8.0	4.7
10.0	145.0	2.0	1.2	3.0	1.7	4.5	2.6	5.6	3.3	7.3	4.3	8.8	5.2
11.0	159.5	2.1	1.2	3.1	1.8	4.8	2.8	6.2	3.7	7.9	4.7	9.6	5.7
12.0	174.0	2.2	1.3	3.3	2.0	5.2	3.0	6.9	4.0	8.6	5.0	10.4	6.1

⁽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 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	12.0 bar(g)	174.0 psi(g)
Minimum Operating Temperature	5.0°C	41.0°F
Maximum Operating Temperature	45.0°C	113.0°F
Maximum Pressure Drop	0.8 bar(g)	11.6 psi(g)

Material & Connections

Material	Aluminium
Coating	None
Compressed Air Inlet	G ³ / ₈ "
Exhaust	G ³ / ₈ "
Nitrogen Outlet	G ³ / ₈ "

Weight & Dimensions

Weight	6.0 kg	13.2 lbs
Height	757 mm	29.8"
Width	145 mm	5.7"
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		D	T	6	0	4	-				-			-	A	-	0	0	A		
Model	Prefix	Purity		Prefix		Pressure		Prefix		Housing	Suf fix										
DT604	DT604	95.0%	950	5.0 bar(g)	05	DT604	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																

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:	5.8m³/hr				@ 95.0%				7.0 bar(g) inlet				Aluminium				00A	
Selection:	6.2m³/hr				950				07				A					



Avilo Stikstof en Persluchtssystemen B.V.

part of interfilter group

Seggeweg 2, 3237 MK Vierpolders

www.avilo.nl

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