parker.com/gsfe

PRODUCT CATALOGUE INDUSTRIAL MEMBRANE MODULES

GSFE Division

Parker

RIKA
KOMPRESSOREN GMBH

HOLLOW FIBRE MEMBRANE TECHNOLOGY

Membrane technology uses bundles of hollow fibres contained within a tube. The fibre walls selectively separate feed-air into a nitrogen (retentate) and an oxygen enriched air stream (permeate).

At its production facility at Etten-Leur in the Netherlands, Parker manufactures hollow gas separation fibre membranes from polyphenylene oxide (PPO). The fibre membrane consists of a permeable sponge like structure with an ultra thin cover layer. To do so, Parker uses the latest know-how and cutting-edge production processes from the field of nanotechnology.

Parker hollow fibres are small, strawlike plastics. In a module, which is a metal or plastic tube, thousands of these fibres are glued in. Only the ends of a bundle of fibres are glued, whilst in the middle the fibres hang free. As the space between the fibre ends is glued, when compressed air is introduced to the module heads, the air has to go inside the fibres. The plastic fibres behave in such a way that their walls "prefer" the oxygen and water molecules more than the nitrogen molecules. The fibres allow the oxygen and water molecules to pass through the wall (diffusion) easier than the nitrogen molecules. All the water and oxygen molecules are discharged from the module (permeate), the nitrogen molecules however remain inside the fibre and exit at the other glued end of the fibre (retentate).

The pressure and temperature at which the compressed air enters the fibre and the time the air has to remain inside the fibre, determines the nitrogen purity (or rather the inert gas purity) at the nitrogen outlet.

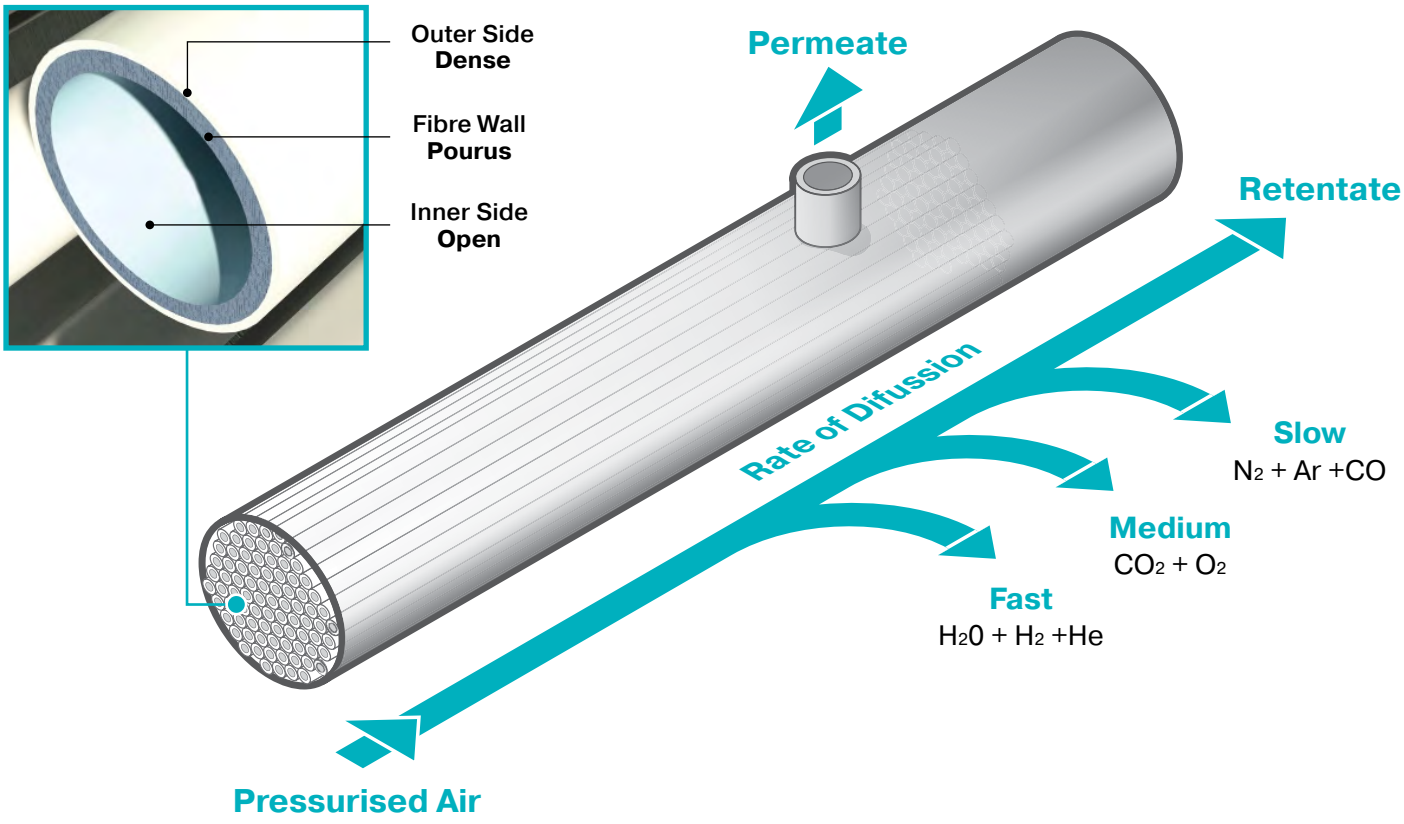
Hollow fibre membranes

Parker membranes are extremely reliable and effective for producing nitrogen and oxygen enriched air, simply because they are the strongest and most permeable membranes in the world. This means that more product can be separated per fibre, resulting in lower cost of ownership, longer membrane life, and very cost-effective systems with short payback times.

Standard membrane modules

Parker has developed a complete range of standard module sets for producing nitrogen or oxygen enriched air from ambient air. These module sets can be integrated into end products manufactured by OEM (Original Equipment Manufacturer) customers. Requirements can always be met, thanks to the large range of sizes and membrane performances available.

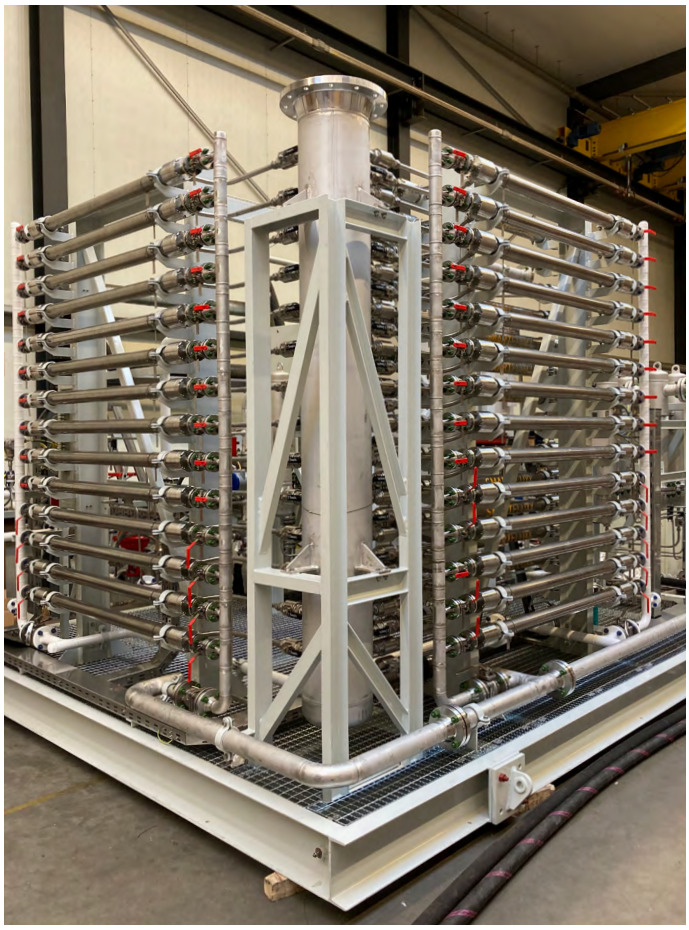
Membrane Gas Separation



PARKER MODULES THE HEART OF OEM NITROGEN GENERATORS

OEM (Original Equipment Manufacturer) customers use Parker membrane modules to manufacture tailor-made and turnkey nitrogen and oxygen systems. These systems are installed at end-users Therefore, Parker membrane modules need to provide the best solution for both the OEM customer, and the end-user.

Parker have identified the most important needs for both OEM customers and end-users, this shows why Parker membrane modules are the best solution for tailor-made nitrogen and oxygen generators.



Parker's value to OEM customers

Parker understands that the number one priority for an OEM customer is to purchase membranes at the best price and performance, and to meet a specified compressor capacity.

Due to a high product gas flow per module, and their relatively small dimensions, Parker membrane modules allow OEM customers to reduce module investment, whilst meeting both nitrogen gas and feed-air specifications. This simultaneously reduces the number of modules and interconnections within the system, not only resulting in a smaller investment cost, but also allowing for a smaller system footprint.

Parker's value to end-users

Not only is great importance attached by an end-user to the reliability of a complete system, including its air compressors and associated equipment within the membrane generator. The maintenance, and availability of the system's user serviceable parts is equally important.

Additionally, Parker nitrogen membrane modules allow compressors to operate at their optimum working pressure of between 7 and 8 barg, which increases the reliability of the complete system.

Operating Pressure and Temperature

Air compressor choice is influenced by the membranes selected. Whilst other manufacturer's membranes prefer a higher inlet pressure of 10 to 13 barg, Parker membranes operate between 7 to 8 barg.

A lower operating pressure provides the following benefits:

Increased Membrane Life

- When oil-in-oil lubricated compressors are operated at a higher pressure, the operating temperature also becomes higher. Membrane lifetime reduces by 50% for every 10°C (50°F) temperature increase.

Lower Investment Costs

- Low pressure compressors are cost less than higher pressure variants, and provide increased lifetime.

Less Noise and Heat

- The more air is compressed, the greater the noise and higher the outlet compressed air temperature).

Reduced Condensate

- Less condensate is formed during compression, resulting in less wear and tear of drain traps.

Energy Savings

- With every bar pressure increase, a compressor consumes significantly more energy. A general rule of thumb is 7% more per bar increase.

  When a process requires low nitrogen pressure (for instance 0.1 - 0.2 barg for blanketing), it is more economical to generate nitrogen at the lowest possible pressure.

Lower Overall System Costs

- Design pressure of the whole system can be lower which results in thinner materials which ultimately results in less welding hours. This will reduce the systems costs significantly!

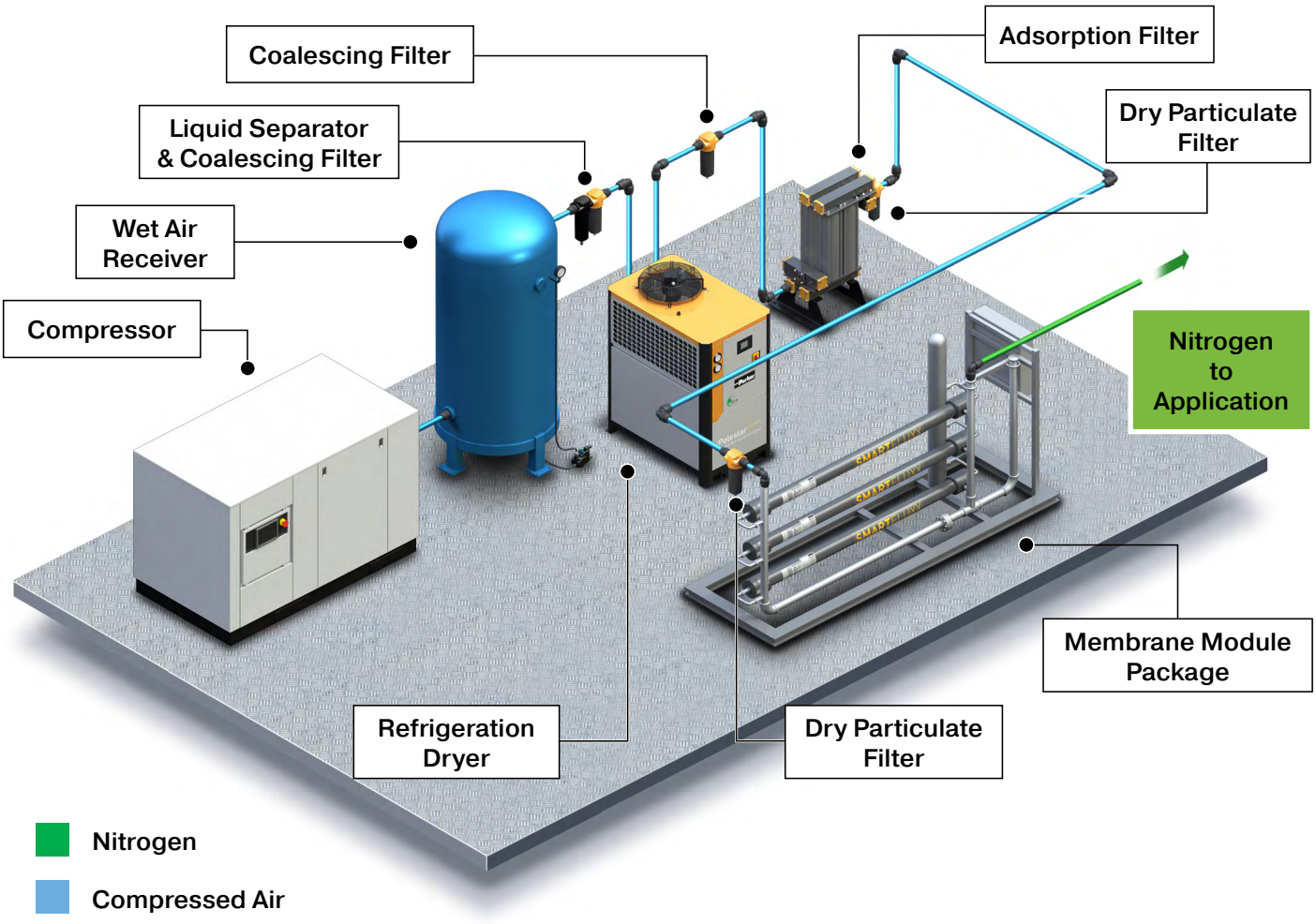
INSTALLATION RECOMMENTATIONS

Parker has an extensive product range including refrigeration dryers, coalescing filters, dry particulate filters, desiccant dryers, activated carbon adsorption filters, condensate drains, instrument manifolds, small valves (including actuators), filter regulators, fittings and tubing. Parker Sales Companies can offer all components and equipment in one package deal.

To ensure long life for Parker membrane modules, the feed-air needs to comply with the following operating specification:

ISO8573-1:2010 Class 2.4.1

Particles:	Filtered to 0.01 µm cut off ISO8573-1:2010 Solid Particulate Class 2
Residual oil content:	<0.01 mg/m^3 ISO8573-1:2010 Oil Class 1
Relative humidity:	<100% (non-condensing)
Quality:	Clean air treated by an activated carbon bed to remove solvents, hydrocarbons, ozone etc.



Compressor

Parker advises to use a variable speed screw compressor to get the highest efficiency and best working conditions for the compressor. At pressures of 7 to 8 bar(g), standard industrial screw compressors have their highest efficiency which is also the most optimal pressure with the lowest energy use for the Parker membranes modules.

Air Receiver

In case a variable speed screw compressor is used, it is not necessary to use an air receiver. When a non-variable speed compressor is used with an air receiver, the receiver must be of such a size that the compressor will not switch on and off at a high frequency as this will cause increased oil carryover.

COMPRESSED AIR TREATMENT

Liquid Separator

A liquid separator is recommended when it is unsure whether liquid water can be carried over. The downstream coalescing filters are not designed to remove bulk water and oil.

OIL-X WS
Liquid Separators

Filtration

To filter the feed-air to the specified quality the following filters are needed:

- A coarse coalescing filter for 1 micron particles. This filter is normally located before the refrigerant dryer or the fine coalescing filter.

OIL-X
Coalescing Filter

- A fine coalescing filter for 0.01 micron particles. This filter is normally located after the refrigeration dryer or the coarse coalescing filter.
- An oil vapour removal system filled with carbon granulates. Filters with an activated carbon element are not sufficient for the protection of nitrogen membrane modules.
- Because a carbon bed can cause dust, a dry particulate filter is needed. Dependent of the dust carry-over of the bed, one fine filter, or coarse and fine filter are needed, whichever is appropriate to meet the requirements.

All filters should be sized correctly for the application.

OIL-X OVR
Adsorption Filters

Maintenance and filter element change must be carried out following the applicable instructions, and in line with the application requirements.

Refrigeration Dryer

A refrigeration dryer is sufficient to lower the dew point to an acceptable level. When a nitrogen enriched-air system is located in an environment where the temperature cannot drop below 8°C a refrigeration dryer that creates a dew point of 3°C is sufficient. Should the feed-air temperature drop below 8°C, another drying method is required. The refrigeration dryer should be sized correctly and should be equipped with sufficient condensate removal.

Polestar and Starlette
Refrigeration Dryers

Feed-Air Inlet Pressure

Systems using Parker membrane modules operate at air inlet pressures ranging from 4 bar g to 13 bar g. The higher the air inlet pressure, the more nitrogen and oxygen enriched gas that can be produced from a given fibre.

Compressed air usage is also one of the main cost factors. To compare the different membranes, it is important to know the optimum working pressure. For every 1 bar pressure needed during nitrogen production, operating costs will increase by 7%, due to compressor energy usage (The CO_2 footprint will increase as well).

Feed-Air Usage

The air factor, or air to nitrogen ratio, is used to calculate how much feed-air is needed to produce the desired nitrogen flow, at a certain purity. Different purities result in different air factors and these will influence the size of the compressor to produce the desired nitrogen flow.

Example: A user requires 100 m³/hr of nitrogen. If the air factor is 2.5 this means a compressor has to provide: 100 x 2.5 = 250m³/hr of feed-air to produce the requested nitrogen flow.

Nitrogen and Oxygen Purity

Parker nitrogen membrane modules can provide nitrogen gas with a purity ranging from 95% to 99.9%*.

Parker oxygen membrane modules can supply an oxygen content ranging from 28% up to 40%.

*Depending on selected membrane module

PRODUCTS

NITROGEN MEMBRANE MODULES

OXYGEN MEMBRANE MODULES

NITROGEN MEMBRANE PART NUMBER CONFIGURATION

Configurator								-				-			-		-	0	0	A*

Model	Prefix
ST304	ST304
DT304	DT304
TT304	TT304
ST504	ST504
ST604	ST604
DT604	DT604
TT604	TT604
SA604	SA604
ST606	ST606
TT606	TT606
ST608	ST608
SA708	SA708
ST1506	ST1506
DT1506	DT1506
ST1508	ST1508
DT1508*	DT1508
SA1508	SA1508
ST6010	ST6010
SA15015	SA15015
NFM-100	NFM-100
ST15020	ST15020
SA15020	SA15020

Purity [1]	Prefix
95.0%	950
96.0%	960
97.0%	970
98.0%	980
99.0%	990
99.5%	995

Pressure [2]	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 [3]	Suffix
ST304	A
DT304	A
TT304	A
ST504	A
ST604	A
DT604	A
TT604	A
SA604	A
ST606	A
TT606	A
ST608	A
SA708	A
ST1506	A
DT1506	A
ST1508	A
ST1508SS	S
DT1508*	A
DT1508SS	S
SA1508	A
SA1508SS	S
ST6010	A
SA15015	A
NFM-100	S
ST15020	A
SA15020	A

[1] Check product information page for available purities.

[2] Check product information page for maximum operating pressure

[3] Check product information page for correct housing material.

*For DT1508 9-13 bar (130.5-189 psig) the last letter in the part number is **C** not A.

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

Example:

	Flow Rate	Purity	Pressure	Housing Material	Suffix
Requirement:	100m³/hr	@ 95.0%	7.0 bar(g) inlet	Aluminium	00A
Selection:	111.1m³/hr = SA15015	950	07	A	

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

ST304

Aluminium nitrogen membrane module

Minimum Outlet Flow Rate

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)	m^3/hr	cfm	m^3/hr	cfm	m^3/hr	cfm	m^3/hr	cfm	m^3/hr	cfm
5.0	72.5	0.2	0.1	0.3	0.2	0.5	0.3	0.6	0.4	0.8	0.5
6.0	87.0	0.3	0.1	0.5	0.3	0.6	0.4	0.8	0.5	1.0	0.6
7.0	101.5	0.3	0.2	0.5	0.3	0.7	0.4	0.9	0.5	1.1	0.7
8.0	116.0	0.3	0.2	0.6	0.4	0.8	0.5	1.1	0.6	1.3	0.8
9.0	130.5	0.4	0.2	0.7	0.4	1.0	0.6	1.2	0.7	1.5	0.9
10.0	145.0	0.4	0.2	0.8	0.4	1.0	0.6	1.3	0.8	1.6	1.0
11.0	159.5	0.4	0.3	0.8	0.5	1.2	0.7	1.5	0.9	1.8	1.1
12.0	174.0	0.5	0.3	0.9	0.5	1.3	0.7	1.6	1.0	2.0	1.2

m^3 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 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	0.3 bar(g)	4.3 psi(g)

Material & Connections

Material	Aluminium
Coating	None
Compressed Air Inlet	G⅜"
Exhaust	G⅜"
Nitrogen Outlet	G⅜"

Weight & Dimensions

Weight	2.3 kg	5.0 lbs
Height	386 mm	15.1"
Width	80 mm	3.1"
Depth	63 mm	2.4"

DT304

Aluminium nitrogen membrane module

Minimum Outlet Flow Rate

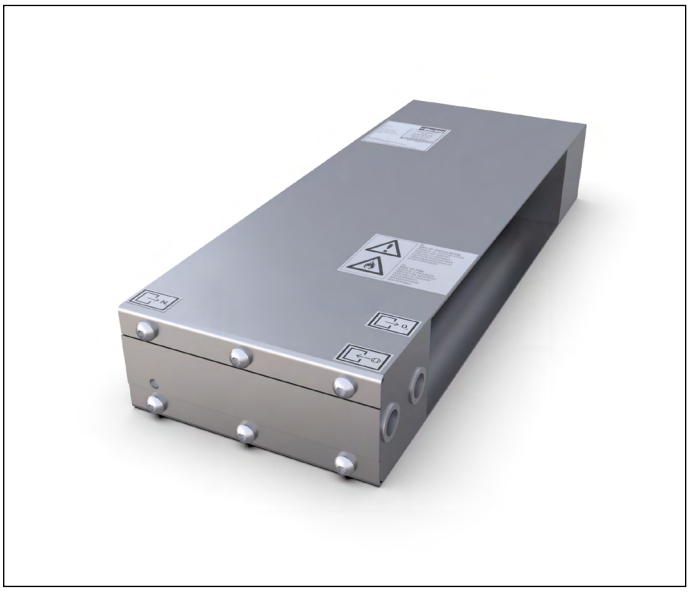
Inlet Pressure		Purity (Remaining Oxygen Content)											
		99.5% (0.5%)		99.0% (1.0%)		98.0% (2.0%)		97.0% (3.0%)		96.0% (4.0%)		95.0% (5.0%)	
bar(g)	psi(g)	m^3/hr	cfm	m^3/hr	cfm	m^3/hr	cfm	m^3/hr	cfm	m^3/hr	cfm	m^3/hr	cfm
5.0	72.5	0.4	0.2	0.6	0.3	0.9	0.6	1.3	0.7	1.6	0.9	1.9	1.1
6.0	87.0	0.5	0.3	0.8	0.4	1.2	0.7	1.6	0.9	2.0	1.2	2.4	1.4
7.0	101.5	0.6	0.3	0.9	0.5	1.4	0.8	1.9	1.1	2.3	1.4	2.8	1.7
8.0	116.0	0.6	0.4	1.0	0.6	1.6	0.9	2.1	1.3	2.7	1.6	3.2	1.9
9.0	130.5	0.7	0.4	1.1	0.7	1.8	1.1	2.4	1.4	3.0	1.8	3.7	2.2
10.0	145.0	0.8	0.5	1.3	0.7	2.0	1.2	2.7	1.6	3.3	2.0	4.1	2.4
11.0	159.5	0.8	0.5	1.4	0.8	2.1	1.3	2.9	1.7	3.6	2.1	4.4	2.6
12.0	174.0	0.9	0.5	1.5	0.9	2.3	1.4	3.1	1.8	3.9	2.3	4.8	2.8

m^3 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

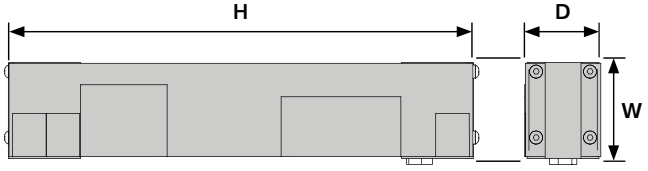
Minimum Inlet Air Quality	ISO 8573-1: 2010 Class 2.4.1	
Minimum Operating Pressure	4.0 bar(g)	58.0 psi(g)
Maximum Operating Pressure	12.0 bar(g)	174.0 psi(g)
Minimum Operating Temperature	5.0°C	41.0°F
Maximum Operating Temperature	45.0°C	113.0°F
Maximum Pressure Drop	0.8 bar(g)	11.6 psi(g)

Material & Connections

Material	Aluminium
Coating	None
Compressed Air Inlet	G⅜"
Exhaust	G⅜"
Nitrogen Outlet	G⅜"

Weight & Dimensions

Weight	4.0 kg	8.8 lbs
Height	386 mm	15.1"
Width	145 mm	5.7"
Depth	63 mm	2.4"



TT304

Aluminium nitrogen membrane module

Minimum Outlet Flow Rate

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)	m^3/hr	cfm	m^3/hr	cfm	m^3/hr	cfm	m^3/hr	cfm	m^3/hr	cfm	m^3/hr	cfm
5.0	72.5	0.6	0.4	0.9	0.5	1.4	0.8	1.9	1.1	2.2	1.3	2.9	1.7
6.0	87.0	0.8	0.5	1.2	0.7	1.8	1.0	2.4	1.4	2.9	1.7	3.6	2.1
7.0	101.5	0.9	0.5	1.4	0.8	2.1	1.2	2.8	1.6	3.4	2.0	4.1	2.4
8.0	116.0	1.0	0.6	1.6	0.9	2.4	1.4	3.1	1.8	3.9	2.3	4.7	2.8
9.0	130.5	1.2	0.7	1.7	1.0	2.7	1.6	3.5	2.1	4.5	2.6	5.4	3.2
10.0	145.0	1.3	0.8	2.0	1.2	3.0	1.7	3.9	2.3	4.9	2.9	5.9	3.5
11.0	159.5	1.4	0.8	2.1	1.2	3.2	1.9	4.3	2.5	5.3	3.1	6.5	3.8
12.0	174.0	1.4	0.8	2.2	1.3	3.4	2.0	4.6	2.7	5.8	3.4	7.1	4.1

m^3 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

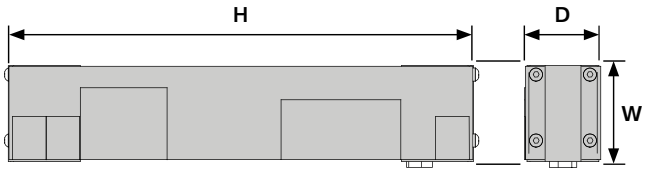
Minimum Inlet Air Quality	ISO 8573-1: 2010 Class 2.4.1	
Minimum Operating Pressure	4.0 bar(g)	58.0 psi(g)
Maximum Operating Pressure	12.0 bar(g)	174.0 psi(g)
Minimum Operating Temperature	5.0˚C	41.0˚F
Maximum Operating Temperature	45.0˚C	113.0˚F
Maximum Pressure Drop	0.8 bar(g)	11.6 psi(g)

Material & Connections

Material	Aluminium
Coating	None
Compressed Air Inlet	G⅜"
Exhaust	G⅜"
Nitrogen Outlet	G⅜"

Weight & Dimensions

Weight	5.7 kg	12.5 lbs
Height	386 mm	15.1"
Width	200 mm	7.8"
Depth	63 mm	2.4"



ST504

Aluminium nitrogen membrane module

Minimum Outlet Flow Rate

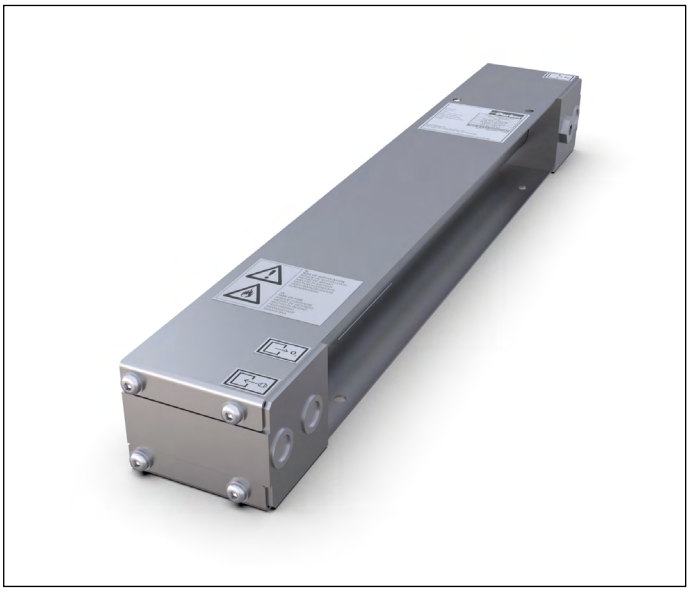
Inlet Pressure		Purity (Remaining Oxygen Content)									
		99.0% (1.0%)		98.0% (2.0%)		97.0% (3.0%)		96.0% (4.0%)		95.0% (5.0%)	
bar(g)	psi(g)	m^3/hr	cfm	m^3/hr	cfm	m^3/hr	cfm	m^3/hr	cfm	m^3/hr	cfm
5.0	72.5	0.3	0.2	0.5	0.3	0.7	0.4	0.8	0.5	1.0	0.6
6.0	87.0	0.4	0.2	0.6	0.4	0.8	0.5	1.1	0.6	1.3	0.8
7.0	101.5	0.4	0.2	0.7	0.4	1.0	0.6	1.3	0.8	1.6	0.9
8.0	116.0	0.5	0.3	0.8	0.5	1.2	0.7	1.5	0.9	1.9	1.1
9.0	130.5	0.6	0.3	1.0	0.6	1.4	0.8	1.8	1.0	2.1	1.3
10.0	145.0	0.6	0.4	1.1	0.6	1.5	0.9	2.0	1.2	2.4	1.4
11.0	159.5	0.7	0.4	1.2	0.7	1.7	1.0	2.2	1.3	2.7	1.6
12.0	174.0	0.8	0.4	1.3	0.8	1.9	1.1	2.4	1.4	2.9	1.7
13.0	188.5	0.8	0.5	1.4	0.8	2.0	1.2	2.6	1.5	3.2	1.9

m^3 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

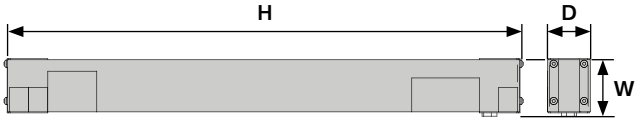
Minimum Inlet Air Quality	ISO 8573-1: 2010 Class 2.4.1	
Minimum Operating Pressure	4.0 bar(g)	58.0 psi(g)
Maximum Operating Pressure	13.0 bar(g)	188.5 psi(g)
Minimum Operating Temperature	5.0˚C	41.0˚F
Maximum Operating Temperature	45.0˚C	113.0˚F
Maximum Pressure Drop	0.3 bar(g)	4.3 psi(g)

Material & Connections

Material	Aluminium
Coating	None
Compressed Air Inlet	G⅜"
Exhaust	G⅜"
Nitrogen Outlet	G⅜"

Weight & Dimensions

Weight	2.6 kg	5.7 lbs
Height	520 mm	20.5"
Width	80 mm	3.1"
Depth	63 mm	2.4"



ST604

Aluminium nitrogen membrane module

Minimum Outlet Flow Rate

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)	m^3/hr	cfm	m^3/hr	cfm	m^3/hr	cfm	m^3/hr	cfm	m^3/hr	cfm
5.0	72.5	0.5	0.3	0.8	0.5	1.1	0.6	1.4	0.8	1.7	1.0
6.0	87.0	0.6	0.4	1.1	0.6	1.4	0.8	1.8	1.1	2.2	1.3
7.0	101.5	0.7	0.4	1.2	0.7	1.7	1.0	2.1	1.2	2.6	1.5
8.0	116.0	0.8	0.5	1.4	0.8	1.9	1.1	2.4	1.4	2.9	1.7
9.0	130.5	0.9	0.5	1.6	0.9	2.2	1.3	2.8	1.6	3.4	2.0
10.0	145.0	1.0	0.6	1.7	1.0	2.4	1.4	3.0	1.8	3.7	2.1
11.0	159.5	1.1	0.7	1.9	1.1	2.6	1.5	3.3	2.0	4.1	2.4
12.0	174.0	1.2	0.7	2.1	1.2	2.9	1.7	3.7	2.2	4.5	2.6

m^3 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

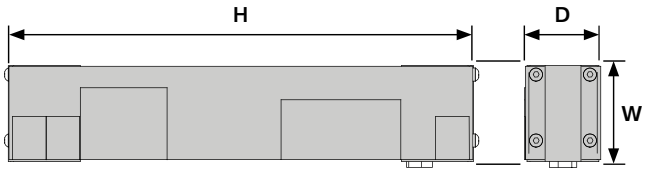
Minimum Inlet Air Quality	ISO 8573-1: 2010 Class 2.4.1	
Minimum Operating Pressure	4.0 bar(g)	58.0 psi(g)
Maximum Operating Pressure	12.0 bar(g)	174.0 psi(g)
Minimum Operating Temperature	5.0˚C	41.0˚F
Maximum Operating Temperature	45.0˚C	113.0˚F
Maximum Pressure Drop	0.3 bar(g)	4.3 psi(g)

Material & Connections

Material	Aluminium
Coating	None
Compressed Air Inlet	G⅜"
Exhaust	G⅜"
Nitrogen Outlet	G⅜"

Weight & Dimensions

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



DT604

Aluminium nitrogen membrane module

Minimum Outlet Flow Rate

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)	m^3/hr	cfm	m^3/hr	cfm	m^3/hr	cfm	m^3/hr	cfm	m^3/hr	cfm	m^3/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

m^3 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

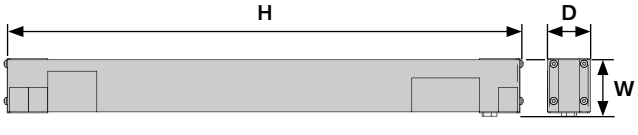
Minimum Inlet Air Quality	ISO 8573-1: 2010 Class 2.4.1	
Minimum Operating Pressure	4.0 bar(g)	58.0 psi(g)
Maximum Operating Pressure	12.0 bar(g)	174.0 psi(g)
Minimum Operating Temperature	5.0˚C	41.0˚F
Maximum Operating Temperature	45.0˚C	113.0˚F
Maximum Pressure Drop	0.8 bar(g)	11.6 psi(g)

Material & Connections

Material	Aluminium
Coating	None
Compressed Air Inlet	G⅜"
Exhaust	G⅜"
Nitrogen Outlet	G⅜"

Weight & Dimensions

Weight	6.0 kg	13.2 lbs
Height	757 mm	29.8”
Width	145 mm	5.7”
Depth	63 mm	2.4”



TT604

Aluminium nitrogen membrane module

Minimum Outlet Flow Rate

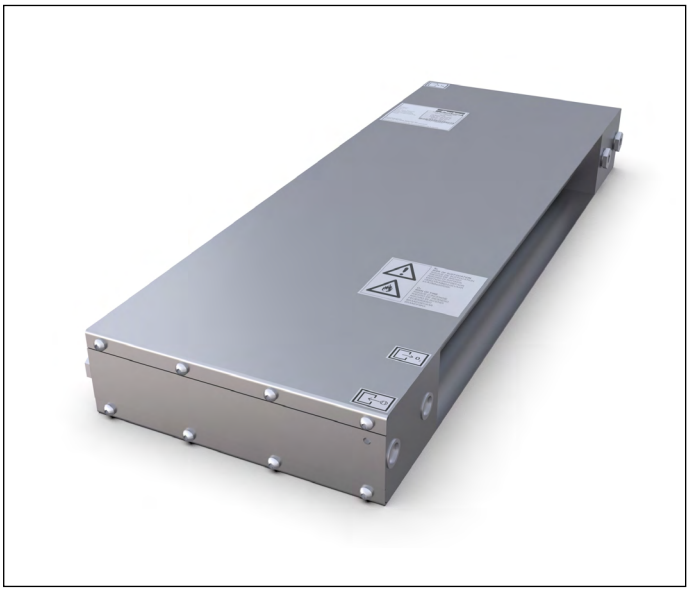
Inlet Pressure		Purity (Remaining Oxygen Content)											
		99.5% (0.5%)		99.0% (1.0%)		98.0% (2.0%)		97.0% (3.0%)		96.0% (4.0%)		95.0% (5.0%)	
bar(g)	psi(g)	m^3/hr	cfm	m^3/hr	cfm	m^3/hr	cfm	m^3/hr	cfm	m^3/hr	cfm	m^3/hr	cfm
5.0	72.5	1.3	0.8	1.9	1.1	2.9	1.7	3.8	2.3	4.7	2.8	5.6	3.3
6.0	87.0	1.6	1.0	2.4	1.4	3.6	2.1	4.8	2.8	6.0	3.5	7.2	4.2
7.0	101.5	1.9	1.1	2.8	1.7	4.3	2.5	5.6	3.3	7.0	4.1	8.4	4.9
8.0	116.0	2.2	1.3	3.2	1.9	4.9	2.9	6.4	3.8	8.0	4.7	9.6	5.7
9.0	130.5	2.4	1.4	3.6	2.1	5.5	3.3	7.2	4.3	9.0	5.3	11.1	6.5
10.0	145.0	2.7	1.6	4.0	2.4	6.1	3.6	8.0	4.7	10.0	5.9	12.0	7.1
11.0	159.5	2.9	1.7	4.3	2.5	6.6	3.9	8.8	5.2	10.9	6.4	13.2	7.8
12.0	174.0	3.1	1.8	4.6	2.7	7.2	4.2	9.6	5.6	11.8	6.9	14.3	8.4

m^3 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

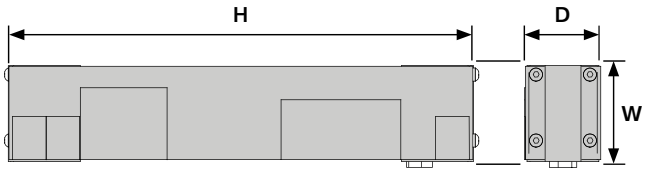
Minimum Inlet Air Quality	ISO 8573-1: 2010 Class 2.4.1	
Minimum Operating Pressure	4.0 bar(g)	58.0 psi(g)
Maximum Operating Pressure	12.0 bar(g)	174.0 psi(g)
Minimum Operating Temperature	5.0°C	41.0°F
Maximum Operating Temperature	45.0°C	113.0°F
Maximum Pressure Drop	0.8 bar(g)	11.6 psi(g)

Material & Connections

Material	Aluminium
Coating	None
Compressed Air Inlet	G⅜"
Exhaust	G⅜"
Nitrogen Outlet	G⅜"

Weight & Dimensions

Weight	8.3 kg	18.2 lbs
Height	758 mm	29.8"
Width	200 mm	7.8"
Depth	63 mm	2.4"



SA604

Aluminium nitrogen membrane module

Nominal Outlet Flow Rate

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)	m^3/hr	cfm	m^3/hr	cfm	m^3/hr	cfm	m^3/hr	cfm	m^3/hr	cfm	m^3/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

m^3 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	G⅜"
Exhaust	G⅜"
Nitrogen Outlet	G⅜"

Weight & Dimensions

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

ST606

Aluminium nitrogen membrane module

Minimum Outlet Flow Rate

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)	m^3/hr	cfm	m^3/hr	cfm	m^3/hr	cfm	m^3/hr	cfm	m^3/hr	cfm
5.0	72.5	1.0	0.6	1.6	0.9	2.1	1.3	2.7	1.6	3.3	1.9
6.0	87.0	1.2	0.7	2.0	1.2	2.7	1.6	3.4	2.0	4.2	2.5
7.0	101.5	1.4	0.8	2.3	1.4	3.2	1.9	4.0	2.3	4.9	2.9
8.0	116.0	1.6	0.9	2.6	1.6	3.6	2.1	4.6	2.7	5.6	3.3
9.0	130.5	1.8	1.1	3.0	1.8	4.1	2.4	5.2	3.0	6.4	3.8
10.0	145.0	2.0	1.2	3.3	1.9	4.5	2.6	5.7	3.3	7.0	4.1
11.0	159.5	2.1	1.2	3.6	2.1	4.9	2.9	6.2	3.6	7.6	4.5
12.0	174.0	2.2	1.3	3.8	2.2	5.2	3.1	6.7	3.9	8.2	4.8

m^3 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 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	50.0˚C	122.0˚F
Maximum Pressure Drop	0.3 bar(g)	4.3 psi(g)

Material & Connections

Material	Aluminium & PVC
Coating	None
Compressed Air Inlet	G½"
Exhaust	G½"
Nitrogen Outlet	G½"

Weight & Dimensions

Weight	6.4 kg	14.1 lbs
Height	751 mm	29.5”
Width	110 mm	4.3”
Depth	84 mm	3.3”

TT606

Aluminium nitrogen membrane module

Minimum Outlet Flow Rate

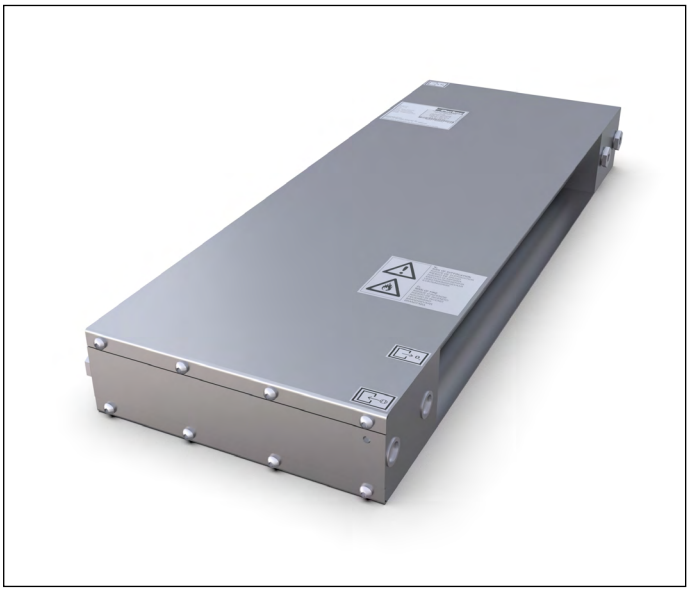
Inlet Pressure		Purity (Remaining Oxygen Content)											
		99.5% (0.5%)		99.0% (1.0%)		98.0% (2.0%)		97.0% (3.0%)		96.0% (4.0%)		95.0% (5.0%)	
bar(g)	psi(g)	m^3/hr	cfm	m^3/hr	cfm	m^3/hr	cfm	m^3/hr	cfm	m^3/hr	cfm	m^3/hr	cfm
5.0	72.5	2.4	1.4	3.4	2.0	5.2	3.0	6.8	4.0	8.4	4.9	10.1	5.9
6.0	87.0	2.9	1.7	4.3	2.6	6.5	3.8	8.6	5.1	10.6	6.2	12.8	7.5
7.0	101.5	3.4	2.0	5.1	3.0	7.6	4.5	10.1	5.9	12.4	7.3	15.0	8.8
8.0	116.0	3.9	2.3	5.8	3.4	8.7	5.1	11.5	6.8	14.2	8.4	17.1	10.1
9.0	130.5	4.5	2.6	6.6	3.9	10.1	5.9	13.3	7.8	16.4	9.7	19.5	11.5
10.0	145.0	4.9	2.9	7.2	4.3	10.9	6.4	14.4	8.5	17.7	10.4	21.4	12.6
11.0	159.5	5.3	3.1	7.9	4.6	12.0	7.1	15.8	9.3	19.7	11.6	23.8	14.0
12.0	174.0	5.7	3.3	8.5	5.0	13.1	7.7	17.2	10.1	21.6	12.7	26.2	15.4

m^3 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

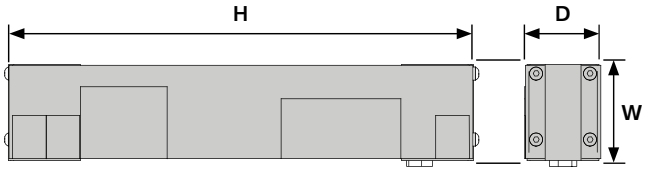
Minimum Inlet Air Quality	ISO 8573-1: 2010 Class 2.4.1	
Minimum Operating Pressure	4.0 bar(g)	58.0 psi(g)
Maximum Operating Pressure	12.0 bar(g)	174.0 psi(g)
Minimum Operating Temperature	5.0˚C	41.0˚F
Maximum Operating Temperature	50.0˚C	122.0˚F
Maximum Pressure Drop	0.8 bar(g)	11.6 psi(g)

Material & Connections

Material	Aluminium & PVC
Coating	None
Compressed Air Inlet	G½"
Exhaust	G½"
Nitrogen Outlet	G½"

Weight & Dimensions

Weight	15.0 kg	33.0 lbs
Height	751 mm	29.5"
Width	270 mm	10.6"
Depth	84 mm	3.3"



ST608

Aluminium nitrogen membrane module

Minimum Outlet Flow Rate

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)	m^3/hr	cfm	m^3/hr	cfm	m^3/hr	cfm	m^3/hr	cfm	m^3/hr	cfm
5.0	72.5	1.7	1.0	2.8	1.7	3.8	2.3	4.8	2.8	6.0	3.5
6.0	87.0	2.1	1.3	3.7	2.2	5.0	2.9	6.5	3.8	7.9	4.7
7.0	101.5	2.5	1.5	4.3	2.6	5.8	3.4	7.6	4.4	9.2	5.4
8.0	116.0	2.9	1.7	5.0	2.9	6.7	3.9	8.7	5.1	10.6	6.2
9.0	130.5	3.4	2.0	5.8	3.4	7.9	4.6	10.0	5.9	12.2	7.2
10.0	145.0	3.6	2.1	6.2	3.7	8.3	4.9	10.8	6.4	13.2	7.8
11.0	159.5	4.0	2.4	7.0	4.1	9.5	5.6	12.2	7.2	14.9	8.8
12.0	174.0	4.5	2.6	7.7	4.5	10.6	6.2	13.5	7.9	16.6	9.8

m^3 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

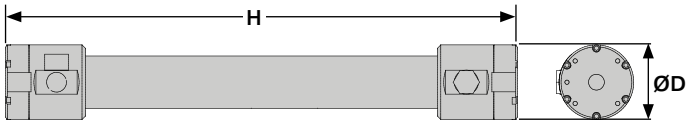
Minimum Inlet Air Quality	ISO 8573-1: 2010 Class 2.4.1	
Minimum Operating Pressure	4.0 bar(g)	58.0 psi(g)
Maximum Operating Pressure	12.0 bar(g)	174.0 psi(g)
Minimum Operating Temperature	5.0°C	41.0°F
Maximum Operating Temperature	50.0°C	122.0°F
Maximum Pressure Drop	0.3 bar(g)	4.3 psi(g)

Material & Connections

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

Weight & Dimensions

Weight	5.3 kg	11.7 lbs
Height	736 mm	28.9"
Diameter	114 mm	4.4"



SA708

Aluminium nitrogen membrane module

Nominal Outlet Flow Rate

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)	m^3/hr	cfm	m^3/hr	cfm	m^3/hr	cfm	m^3/hr	cfm	m^3/hr	cfm	m^3/hr	cfm
4.0	**58.0**	0.9	0.5	1.4	0.8	2.2	1.3	2.9	1.7	3.6	2.1	4.4	2.6
5.0	**72.5**	1.3	0.8	2.1	1.2	3.1	1.8	4.1	2.4	5.1	3.0	6.2	3.6
6.0	**87.0**	1.7	1.0	2.7	1.6	4.0	2.3	5.2	3.0	6.6	3.9	7.9	4.7
7.0	**101.5**	2.1	1.2	3.3	1.9	4.9	2.9	6.5	3.8	8.1	4.8	9.8	5.8
8.0	**116.0**	2.5	1.5	3.9	2.3	5.8	3.4	7.7	4.5	9.7	5.7	11.6	6.8
9.0	**130.5**	2.8	1.7	4.5	2.6	6.8	4.0	9.0	5.3	11.3	6.6	13.5	7.9
10.0	**145.0**	3.1	1.8	4.9	2.9	7.6	4.5	10.3	6.1	12.9	7.6	15.4	9.1
11.0	**159.5**	3.4	2.0	5.5	3.2	8.5	5.0	11.5	6.8	14.5	8.5	17.3	10.2
12.0	**174.0**	3.7	2.2	6.0	3.5	9.3	5.5	12.5	7.4	15.9	9.4	19.1	11.2
13.0	**188.5**	3.9	2.3	6.5	3.8	10.1	5.9	13.6	8.0	17.1	10.1	20.9	12.3

m^3 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

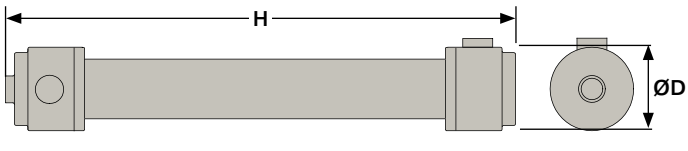
Minimum Inlet Air Quality	ISO 8573-1: 2010 Class 2.4.1	
Minimum Operating Pressure	4.0 bar(g)	58.0 psi(g)
Maximum Operating Pressure	13.0 bar(g)	188.5 psi(g)
Minimum Operating Temperature	5.0˚C	41.0˚F
Maximum Operating Temperature	50.0˚C	122.0˚F
Maximum Pressure Drop	0.2 bar(g)	2.9 psi(g)

Material & Connections

Material	Aluminium
Coating	Powder Coated (Quartz Grey)
Compressed Air Inlet	G¾"
Exhaust	G1"
Nitrogen Outlet	G¾"

Weight & Dimensions

Weight	5.5 kg	12.1 lbs
Height	782 mm	30.7"
Diameter	114 mm	4.4"



ST1506

Aluminium nitrogen membrane module

Minimum Outlet Flow Rate

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)	m^3/hr	cfm	m^3/hr	cfm	m^3/hr	cfm	m^3/hr	cfm	m^3/hr	cfm	m^3/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

m^3 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

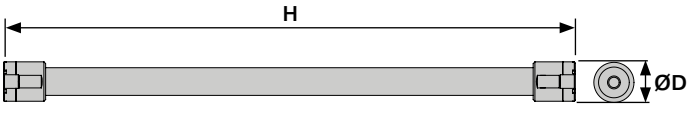
Minimum Inlet Air Quality	ISO 8573-1: 2010 Class 2.4.1	
Minimum Operating Pressure	4.0 bar(g)	58.0 psi(g)
Maximum Operating Pressure	13.0 bar(g)	189.0 psi(g)
Minimum Operating Temperature	5.0˚C	41.0˚F
Maximum Operating Temperature	50.0˚C	122.0˚F
Maximum Pressure Drop	0.3 bar(g)	4.3 psi(g)

Material & Connections

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

Weight & Dimensions

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



DT1506

Aluminium nitrogen membrane module

Minimum Outlet Flow Rate

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)	m^3/hr	cfm	m^3/hr	cfm	m^3/hr	cfm	m^3/hr	cfm	m^3/hr	cfm	m^3/hr	cfm
5.0	72.5	3.4	2.0	5.4	3.2	9.2	5.4	12.7	7.5	16.1	9.5	19.5	11.5
6.0	87.0	4.5	2.6	7.0	4.1	12.1	7.1	16.6	9.8	21.0	12.4	25.5	15.0
7.0	101.5	5.3	3.1	8.3	4.9	14.2	8.4	19.5	11.5	24.7	14.5	30.0	17.7
8.0	116.0	6.3	3.7	9.9	5.8	17.0	10.0	23.4	13.8	29.6	17.4	36.0	21.2
9.0	130.5	7.4	4.3	11.6	6.8	19.9	11.7	27.3	16.1	34.6	20.4	42.0	24.7
10.0	145.0	8.4	4.9	13.2	7.8	22.7	13.4	31.2	18.4	39.5	23.2	48.0	28.3
11.0	159.5	9.5	5.6	14.9	8.8	25.6	15.1	35.1	20.7	44.5	26.2	54.0	31.8
12.0	174.0	10.5	6.2	16.5	9.7	28.4	16.7	39.0	23.0	49.4	29.1	60.0	35.3
13.0	188.5	11.0	6.5	17.3	10.2	29.8	17.5	41.0	24.1	51.9	30.5	63.0	37.1

m^3 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	0.8 bar(g)	11.6 psi(g)

Material & Connections

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

Weight & Dimensions

Weight	15.0 kg	33.0 lbs
Height	1705 mm	67.1"
Width	296 mm	11.6"
Depth	208 mm	8.1"

ST1508

Aluminium nitrogen membrane module

Minimum Outlet Flow Rate

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)	m^3/hr	cfm	m^3/hr	cfm	m^3/hr	cfm	m^3/hr	cfm	m^3/hr	cfm	m^3/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

m^3 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

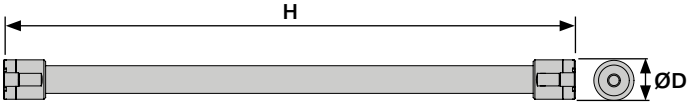
Minimum Inlet Air Quality	ISO 8573-1: 2010 Class 2.4.1	
Minimum Operating Pressure	4.0 bar(g)	58.0 psi(g)
Maximum Operating Pressure	13.0 bar(g)	189.0 psi(g)
Minimum Operating Temperature	5.0˚C	41.0˚F
Maximum Operating Temperature	50.0˚C	122.0˚F
Maximum Pressure Drop	0.2 bar(g)	2.9 psi(g)

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"



ST1508

Stainless steel nitrogen membrane module

Minimum Outlet Flow Rate

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)	m^3/hr	cfm	m^3/hr	cfm	m^3/hr	cfm	m^3/hr	cfm	m^3/hr	cfm	m^3/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

m^3 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

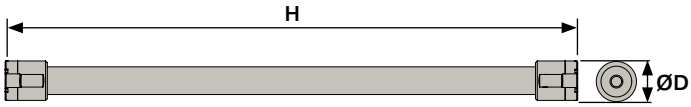
Minimum Inlet Air Quality	ISO 8573-1: 2010 Class 2.4.1	
Minimum Operating Pressure	4.0 bar(g)	58.0 psi(g)
Maximum Operating Pressure	13.0 bar(g)	189.0 psi(g)
Minimum Operating Temperature	5.0˚C	41.0˚F
Maximum Operating Temperature	50.0˚C	122.0˚F
Maximum Pressure Drop	0.3 bar(g)	4.3 psi(g)

Material & Connections

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

Weight & Dimensions

Weight	18.0 kg	39.7 lbs
Height	1655 mm	65.1"
Diameter	114 mm	4.4"



DT1508

Aluminium nitrogen membrane module

Minimum Outlet Flow Rate

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)	m^3/hr	cfm	m^3/hr	cfm	m^3/hr	cfm	m^3/hr	cfm	m^3/hr	cfm	m^3/hr	cfm
5.0	72.5	4.6	2.7	7.2	4.2	12.4	7.3	16.9	9.9	21.5	12.7	26.0	15.3
6.0	87.0	6.0	3.5	9.4	5.5	16.2	9.5	2.1	1.2	28.1	16.5	34.0	20.0
7.0	101.5	7.0	4.1	11.0	6.5	19.0	11.2	26.0	15.3	33.0	19.4	40.0	23.5
8.0	116.0	8.4	4.9	13.2	7.8	22.8	13.4	31.2	18.4	39.6	23.3	48.0	28.3

m^3 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

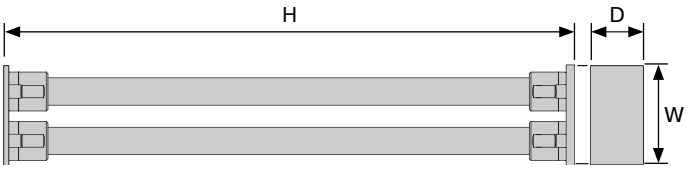
Minimum Inlet Air Quality	ISO 8573-1: 2010 Class 2.4.1	
Minimum Operating Pressure	4.0 bar(g)	58.0 psi(g)
Maximum Operating Pressure	8.0 bar(g)	116.0 psi(g)
Minimum Operating Temperature	5.0°C	41.0°F
Maximum Operating Temperature	50.0°C	122.0°F
Maximum Pressure Drop	0.8 bar(g)	11.6 psi(g)

Material & Connections

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

Weight & Dimensions

Weight	16.0 kg	35.3 lbs
Height	1705 mm	67.1"
Width	296 mm	11.6"
Depth	201 mm	7.9"



DT1508

Stainless steel nitrogen membrane module

Minimum Outlet Flow Rate

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)	m^3/hr	cfm	m^3/hr	cfm	m^3/hr	cfm	m^3/hr	cfm	m^3/hr	cfm	m^3/hr	cfm
5.0	72.5	4.6	2.7	7.2	4.2	12.4	7.3	16.9	9.9	21.5	12.7	26.0	15.3
6.0	87.0	6.0	3.5	9.4	5.5	16.2	9.5	2.1	1.2	28.1	16.5	34.0	20.0
7.0	101.5	7.0	4.1	11.0	6.5	19.0	11.2	26.0	15.3	33.0	19.4	40.0	23.5
8.0	116.0	8.4	4.9	13.2	7.8	22.8	13.4	31.2	18.4	39.6	23.3	48.0	28.3

m^3 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

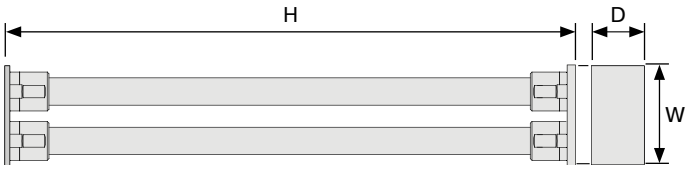
Minimum Inlet Air Quality	ISO 8573-1: 2010 Class 2.4.1	
Minimum Operating Pressure	4.0 bar(g)	58.0 psi(g)
Maximum Operating Pressure	8.0 bar(g)	189.0 psi(g)
Minimum Operating Temperature	5.0°C	41.0°F
Maximum Operating Temperature	50.0°C	122.0°F
Maximum Pressure Drop	0.8 bar(g)	11.6 psi(g)

Material & Connections

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

Weight & Dimensions

Weight	39.0 kg	86.0 lbs
Height	1705 mm	67.1"
Width	296 mm	11.6"
Depth	201 mm	7.9"



DT1508

Aluminium nitrogen membrane module

Minimum Outlet Flow Rate

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)	m^3/hr	cfm	m^3/hr	cfm	m^3/hr	cfm	m^3/hr	cfm	m^3/hr	cfm	m^3/hr	cfm
9.0	**130.5**	9.8	5.8	15.4	9.1	26.6	15.7	36.4	21.4	46.2	27.2	56.0	33.0
10.0	**145.0**	11.2	6.6	17.6	10.4	30.4	17.9	41.6	24.5	52.8	31.1	64.0	37.7
11.0	**159.5**	12.6	7.4	19.8	11.7	34.2	20.1	46.8	27.5	59.4	35.0	72.0	42.4
12.0	**174.0**	14.0	8.2	22.0	12.9	38.0	22.4	52.0	30.6	66.0	38.8	80.0	47.1
13.0	**188.5**	14.7	8.7	23.1	13.6	39.9	23.5	54.6	32.1	69.3	40.8	84.0	49.4

m^3 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

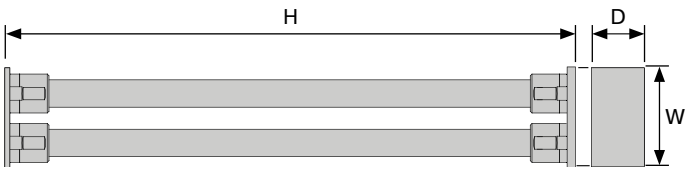
Minimum Inlet Air Quality	ISO 8573-1: 2010 Class 2.4.1	
Minimum Operating Pressure	9.0 bar(g)	130.5 psi(g)
Maximum Operating Pressure	13.0 bar(g)	189.0 psi(g)
Minimum Operating Temperature	5.0°C	41.0°F
Maximum Operating Temperature	50.0°C	122.0°F
Maximum Pressure Drop	0.8 bar(g)	11.6 psi(g)

Material & Connections

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

Weight & Dimensions

Weight	16.0 kg	35.3 lbs
Height	1705 mm	67.1"
Width	296 mm	11.6"
Depth	201 mm	7.9"



DT1508

Stainless steel nitrogen membrane module

Minimum Outlet Flow Rate

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)	m^3/hr	cfm	m^3/hr	cfm	m^3/hr	cfm	m^3/hr	cfm	m^3/hr	cfm	m^3/hr	cfm
9.0	**130.5**	9.8	5.8	15.4	9.1	26.6	15.7	36.4	21.4	46.2	27.2	56.0	33.0
10.0	**145.0**	11.2	6.6	17.6	10.4	30.4	17.9	41.6	24.5	52.8	31.1	64.0	37.7
11.0	**159.5**	12.6	7.4	19.8	11.7	34.2	20.1	46.8	27.5	59.4	35.0	72.0	42.4
12.0	**174.0**	14.0	8.2	22.0	12.9	38.0	22.4	52.0	30.6	66.0	38.8	80.0	47.1
13.0	**188.5**	14.7	8.7	23.1	13.6	39.9	23.5	54.6	32.1	69.3	40.8	84.0	49.4

m^3 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

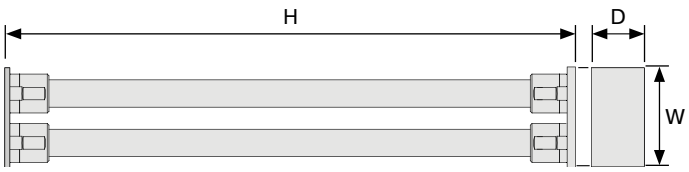
Minimum Inlet Air Quality	ISO 8573-1: 2010 Class 2.4.1	
Minimum Operating Pressure	9.0 bar(g)	130.5 psi(g)
Maximum Operating Pressure	13.0 bar(g)	189.0 psi(g)
Minimum Operating Temperature	5.0°C	41.0°F
Maximum Operating Temperature	50.0°C	122.0°F
Maximum Pressure Drop	0.8 bar(g)	11.6 psi(g)

Material & Connections

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

Weight & Dimensions

Weight	39.0 kg	86.0 lbs
Height	1705 mm	67.1"
Width	296 mm	11.6"
Depth	201 mm	7.9"



SA1508

Aluminium nitrogen membrane module

Nominal Outlet Flow Rate

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)	m^3/hr	cfm	m^3/hr	cfm	m^3/hr	cfm	m^3/hr	cfm	m^3/hr	cfm	m^3/hr	cfm
4.0	**58.0**	2.8	1.6	4.0	2.4	5.7	3.4	7.1	4.2	9.5	5.6	10.9	6.4
5.0	**72.5**	3.7	2.2	5.3	3.1	7.9	4.6	10.2	6.0	12.8	7.5	15.2	8.9
6.0	**87.0**	4.7	2.8	7.0	4.1	10.2	6.0	13.0	7.7	15.7	9.2	20.5	12.1
7.0	**101.5**	6.1	3.6	8.5	5.0	12.3	7.2	16.5	9.7	19.5	11.5	24.3	14.3
8.0	**116.0**	6.9	4.1	9.7	5.7	14.3	8.4	19.2	11.3	23.3	13.7	28.1	16.5
9.0	**130.5**	7.8	4.6	11.1	6.5	17.0	10.0	21.2	12.5	27.0	15.9	32.2	19.0
10.0	**145.0**	8.6	5.1	12.6	7.4	18.5	10.9	23.3	13.7	30.2	17.8	37.4	22.0
11.0	**159.5**	9.6	5.7	14.2	8.4	20.7	12.2	25.4	14.9	33.0	19.4	41.0	24.1
12.0	**174.0**	10.5	6.2	15.2	8.9	22.9	13.5	28.5	16.8	36.6	21.5	45.6	26.8
13.0	**188.5**	11.3	6.7	16.3	9.6	24.9	14.7	31.6	18.6	39.5	23.2	48.8	28.7

m^3 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

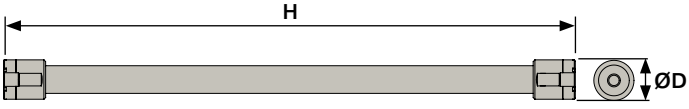
Minimum Inlet Air Quality	ISO 8573-1: 2010 Class 2.4.1	
Minimum Operating Pressure	4.0 bar(g)	58.0 psi(g)
Maximum Operating Pressure	13.0 bar(g)	189.0 psi(g)
Minimum Operating Temperature	5.0˚C	41.0˚F
Maximum Operating Temperature	50.0˚C	122.0˚F
Maximum Pressure Drop	0.2 bar(g)	2.9 psi(g)

Material & Connections

Material	Aluminium
Coating	Powder Coated (Quartz Grey)
Compressed Air Inlet	G¾"
Exhaust	G1"
Nitrogen Outlet	G¾"

Weight & Dimensions

Weight	6.8 kg	15.0 lbs
Height	1655 mm	65.2"
Diameter	144 mm	5.7"



SA1508

Stainless steel nitrogen membrane module

Nominal Outlet Flow Rate

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)	m^3/hr	cfm	m^3/hr	cfm	m^3/hr	cfm	m^3/hr	cfm	m^3/hr	cfm	m^3/hr	cfm
4.0	**58.0**	2.8	1.6	4.0	2.4	5.7	3.4	7.1	4.2	9.5	5.6	10.9	6.4
5.0	**72.5**	3.7	2.2	5.3	3.1	7.9	4.6	10.2	6.0	12.8	7.5	15.2	8.9
6.0	**87.0**	4.7	2.8	7.0	4.1	10.2	6.0	13.0	7.7	15.7	9.2	20.5	12.1
7.0	**101.5**	6.1	3.6	8.5	5.0	12.3	7.2	16.5	9.7	19.5	11.5	24.3	14.3
8.0	**116.0**	6.9	4.1	9.7	5.7	14.3	8.4	19.2	11.3	23.3	13.7	28.1	16.5
9.0	**130.5**	7.8	4.6	11.1	6.5	17.0	10.0	21.2	12.5	27.0	15.9	32.2	19.0
10.0	**145.0**	8.6	5.1	12.6	7.4	18.5	10.9	23.3	13.7	30.2	17.8	37.4	22.0
11.0	**159.5**	9.6	5.7	14.2	8.4	20.7	12.2	25.4	14.9	33.0	19.4	41.0	24.1
12.0	**174.0**	10.5	6.2	15.2	8.9	22.9	13.5	28.5	16.8	36.6	21.5	45.6	26.8
13.0	**188.5**	11.3	6.7	16.3	9.6	24.9	14.7	31.6	18.6	39.5	23.2	48.8	28.7

m^3 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

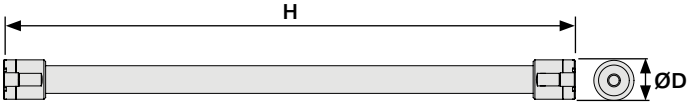
Minimum Inlet Air Quality	ISO 8573-1: 2010 Class 2.4.1	
Minimum Operating Pressure	4.0 bar(g)	58.0 psi(g)
Maximum Operating Pressure	13.0 bar(g)	189.0 psi(g)
Minimum Operating Temperature	5.0˚C	41.0˚F
Maximum Operating Temperature	50.0˚C	122.0˚F
Maximum Pressure Drop	0.2 bar(g)	2.9 psi(g)

Material & Connections

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

Weight & Dimensions

Weight	18.0 kg	39.7 lbs
Height	1655 mm	65.2"
Diameter	144 mm	5.7"



ST6010

Aluminium nitrogen membrane module

Minimum Outlet Flow Rate

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)	m^3/hr	cfm	m^3/hr	cfm	m^3/hr	cfm	m^3/hr	cfm	m^3/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

m^3 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

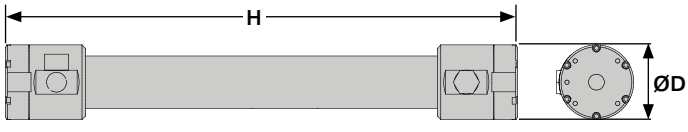
Minimum Inlet Air Quality	ISO 8573-1: 2010 Class 2.4.1	
Minimum Operating Pressure	4.0 bar(g)	58.0 psi(g)
Maximum Operating Pressure	12.0 bar(g)	174.0 psi(g)
Minimum Operating Temperature	5.0˚C	41.0˚F
Maximum Operating Temperature	50.0˚C	122.0˚F
Maximum Pressure Drop	0.3 bar(g)	4.3 psi(g)

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”



SA15015

Aluminium nitrogen membrane module

Nominal Outlet Flow Rate

Inlet Pressure		99.0% (1.0%)		98.0% (2.0%)		97.0% (3.0%)		96.0% (4.0%)		95.0% (5.0%)	
bar(g)	psi(g)	m^3/hr	cfm	m^3/hr	cfm	m^3/hr	cfm	m^3/hr	cfm	m^3/hr	cfm
4.0	**58.0**	21.8	12.8	29.6	17.4	37.4	22.0	48.4	28.5	59.5	35.0
5.0	**72.5**	29.5	17.4	42.5	25.0	55.5	32.7	69.4	40.8	83.2	49.0
6.0	**87.0**	36.8	21.7	54.6	32.1	72.3	42.6	89.1	52.4	105.9	62.3
7.0	**101.5**	43.9	25.8	65.8	38.7	87.8	51.7	107.8	63.4	127.7	75.2
8.0	**116.0**	50.7	29.8	76.3	44.9	102.0	60.0	125.3	73.7	148.6	87.5
9.0	**130.5**	57.2	33.7	86.0	50.6	114.8	67.6	141.6	83.3	168.5	99.2
10.0	**145.0**	63.3	37.3	94.8	55.8	126.4	74.4	156.9	92.3	187.4	110.3
11.0	**159.5**	69.2	40.7	102.9	60.6	136.6	80.4	171.0	100.6	205.4	120.9
12.0	**174.0**	74.8	44.0	110.1	64.8	145.5	85.6	183.9	108.2	222.4	130.9
13.0	**188.5**	80.1	47.1	116.6	68.6	153.1	90.1	195.8	115.2	238.5	140.4

m^3 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

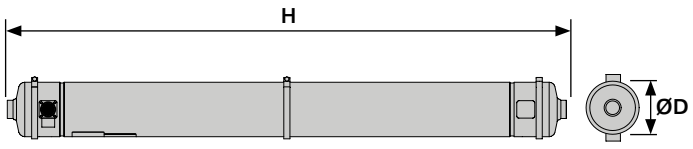
Minimum Inlet Air Quality	ISO 8573-1: 2010 Class 2.4.1	
Minimum Operating Pressure	4.0 bar(g)	58.0 psi(g)
Maximum Operating Pressure	13.0 bar(g)	189.0 psi(g)
Minimum Operating Temperature	5.0˚C	41.0˚F
Maximum Operating Temperature	60.0˚C	140.0˚F
Maximum Pressure Drop	0.2 bar(g)	2.9 psi(g)

Material & Connections

Material	Aluminium
Coating	Sulfuric Anodizing
Compressed Air Inlet	G1½"
Exhaust	G1¾" x 2
Nitrogen Outlet	G1½"

Weight & Dimensions

Weight	22.2 kg	48.9 lbs
Height	1750 mm	68.9"
Diameter	256 mm	10.0"



NFM100-C

Aluminium nitrogen membrane cartridge

Minimum Outlet Flow Rate

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)	m^3/hr	cfm	m^3/hr	cfm	m^3/hr	cfm	m^3/hr	cfm	m^3/hr	cfm	m^3/hr	cfm
5.0	**72.5**	14.1	8.3	22.0	13.0	34.3	20.2	45.4	26.7	56.4	33.2	68.0	40.0
6.0	**87.0**	18.2	10.7	28.2	16.6	43.8	25.8	57.9	34.1	72.0	42.4	87.3	51.4
7.0	**101.5**	22.3	13.1	34.6	20.4	53.6	31.5	70.7	41.6	88.1	51.9	106.7	62.8
8.0	**116.0**	26.2	15.4	40.7	24.0	63.2	37.2	83.5	49.2	104.3	61.4	126.2	74.3
9.0	**130.5**	30.2	17.8	47.0	27.7	72.8	42.9	96.4	56.7	120.2	70.8	145.5	85.7
10.0	**145.0**	34.0	20.0	52.9	31.1	82.1	48.3	109.0	64.2	135.9	80.0	164.0	96.5
11.0	**159.5**	38.2	22.5	59.3	34.9	91.9	54.1	121.7	71.6	151.8	89.3	183.3	107.9
12.0	**174.0**	42.2	24.8	65.5	38.5	101.5	59.7	134.4	79.1	167.7	98.7	202.5	119.2
13.0	**188.5**	46.2	27.2	71.7	42.2	111.0	65.4	147.1	86.6	183.5	108.0	221.6	130.4

m^3 reference to standard conditions, 20°C, 1013mbar(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%	99.0%	98.0%	97.0%	96.0%	95.0%
5.0	**41.0**	0.95	0.90	0.90	0.90	0.90	0.90
10.0	**50.0**	0.97	0.95	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**	1.00	1.05	1.10	1.10	1.10	1.10
50.0	**122.0**	1.00	1.05	1.10	1.10	1.15	1.10
60.0	**140.0**	1.10	1.15	1.20	1.20	1.25	1.20

Product Image

Operation Parameters

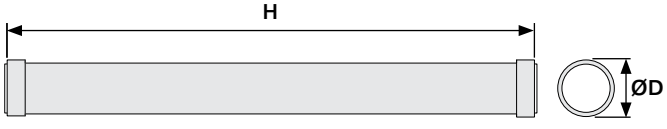
Minimum Inlet Air Quality	ISO 8573-1: 2010 Class 2.4.1	
Minimum Operating Pressure	5.0 bar(g)	72.5 psi(g)
Maximum Operating Pressure	13.0 bar(g)	188.5 psi(g)
Minimum Operating Temperature	5.0°C	41.0°F
Maximum Operating Temperature	65.0°C	149.0°F
Maximum Pressure Drop	0.2 bar(g)	2.9 psi(g)

Material & Connections

Material	Aluminium
Coating	None
Compressed Air Inlet	N/A
Exhaust	N/A
Nitrogen Outlet	N/A

Weight & Dimensions

Weight	11 kg	24.3 lbs
Height	1653.2 mm	65.1"
Diameter	152.4 mm	6.0"



NFM100-S

Aluminium nitrogen membrane module

Minimum Outlet Flow Rate

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)	m^3/hr	cfm	m^3/hr	cfm	m^3/hr	cfm	m^3/hr	cfm	m^3/hr	cfm	m^3/hr	cfm
5.0	72.5	14.1	8.3	21.4	12.6	32.6	19.2	43.2	25.4	53.7	31.6	64.8	38.1
6.0	87.0	18.2	10.7	27.4	16.1	41.8	24.6	55.2	32.5	68.6	40.4	83.1	48.9
7.0	101.5	22.3	13.1	33.6	19.8	51.0	30.0	67.3	39.6	83.9	49.4	101.7	59.8
8.0	116.0	26.2	15.4	39.6	23.3	60.2	35.4	79.5	46.8	99.4	58.5	120.2	70.7
9.0	130.5	30.2	17.8	45.6	26.8	69.3	40.8	91.8	54.0	114.5	67.4	138.6	81.6
10.0	145.0	34.0	20.0	51.4	30.2	78.2	46.0	103.8	61.1	129.5	76.2	156.2	91.9
11.0	159.5	38.2	22.5	57.6	33.9	87.5	51.5	115.9	68.2	144.6	85.1	174.6	102.8
12.0	174.0	42.2	24.8	63.6	37.4	96.6	56.9	128.0	75.3	159.7	94.0	192.8	113.5
13.0	188.5	46.2	27.2	69.6	41.0	105.7	62.2	140.1	82.4	174.8	102.9	211.1	124.2

m^3 reference to standard conditions, 20°C, 1013mbar(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%	99.0%	98.0%	97.0%	96.0%	95.0%
5.0	41.0	0.95	0.90	0.90	0.90	0.90	0.90
10.0	50.0	0.97	0.95	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	1.00	1.05	1.10	1.10	1.10	1.10
50.0	122.0	1.00	1.05	1.10	1.10	1.15	1.10
60.0	140.0	1.10	1.15	1.20	1.20	1.25	1.20

Product Image

Operation Parameters

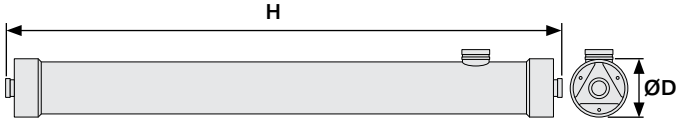
Minimum Inlet Air Quality	ISO 8573-1: 2010 Class 2.4.1	
Minimum Operating Pressure	5.0 bar(g)	72.5 psi(g)
Maximum Operating Pressure	13.0 bar(g)	188.5 psi(g)
Minimum Operating Temperature	5.0°C	41.0°F
Maximum Operating Temperature	65.0°C	149.0°F
Maximum Pressure Drop	0.2 bar(g)	2.9 psi(g)

Material & Connections

Material	316L Stainless Steel
Coating	None
Compressed Air Inlet	1½" NPT / 2" Victaulic
Exhaust	3" Victaulic
Nitrogen Outlet	1½" NPT / 2" Victaulic

Weight & Dimensions

Weight	45.0 kg	99.2 lbs
Height	1791.1 mm	70.5"
Diameter	188.0 mm	7.4"



ST15020

Aluminium nitrogen membrane module

Minimum Outlet Flow Rate

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)	m^3/hr	cfm	m^3/hr	cfm	m^3/hr	cfm	m^3/hr	cfm	m^3/hr	cfm
5.0	**72.5**	35.0	20.6	58.0	34.1	78.0	45.9	105.0	61.8	131.0	77.1
6.0	**87.0**	46.0	27.1	75.0	44.1	103.0	60.6	137.0	80.6	171.0	100.6
7.0	**101.5**	54.0	31.8	89.0	52.4	121.0	71.2	161.0	94.8	201.0	118.3
8.0	**116.0**	59.0	34.7	97.0	57.1	133.0	78.3	177.0	104.2	221.0	130.1

m^3 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 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	8.0 bar(g)	116.0 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	G2½"
Exhaust	100 mm ØD
Nitrogen Outlet	G2½"

Weight & Dimensions

Weight	4.6 kg	101 lbs
Height	1740 mm	68.5"
Diameter	280 mm	11.0"

SA15020

Aluminium nitrogen membrane module

Nominal Outlet Flow Rate

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)	m^3/hr	cfm	m^3/hr	cfm	m^3/hr	cfm	m^3/hr	cfm	m^3/hr	cfm	m^3/hr	cfm
4.0	**58.0**	17.0	10.0	25.0	14.7	36.0	21.2	47.0	27.7	57.0	33.5	70.0	41.2
5.0	**72.5**	23.0	13.5	33.0	19.4	49.0	28.8	66.0	38.8	82.0	48.3	93.0	54.7
6.0	**87.0**	29.0	17.1	43.0	25.3	63.0	37.1	83.0	48.9	102.0	60.0	120.0	70.6
7.0	**101.5**	37.0	21.8	53.0	31.2	78.0	45.9	100.0	58.9	125.0	73.6	154.0	90.6
8.0	**116.0**	44.0	25.9	62.0	36.5	90.0	53.0	117.0	68.9	144.0	84.8	178.0	104.8
9.0	**130.5**	49.0	28.8	72.0	42.4	103.0	60.6	133.0	78.3	165.0	97.1	216.0	127.1

m^3 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

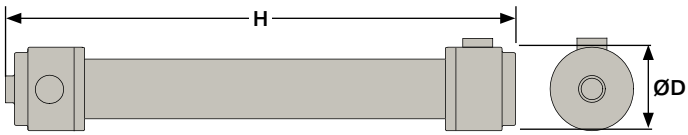
Minimum Inlet Air Quality	ISO 8573-1: 2010 Class 2.4.1	
Minimum Operating Pressure	4.0 bar(g)	58.0 psi(g)
Maximum Operating Pressure	9.0 bar(g)	130.5 psi(g)
Minimum Operating Temperature	5.0˚C	41.0˚F
Maximum Operating Temperature	50.0˚C	122.0˚F
Maximum Pressure Drop	0.2 bar(g)	2.9 psi(g)

Material & Connections

Material	Aluminium
Coating	Powder Coated (Quartz Grey)
Compressed Air Inlet	G2½"
Exhaust	100 mm ØD
Nitrogen Outlet	G2½"

Weight & Dimensions

Weight	46.0 kg	101.4 lbs
Height	1740 mm	68.5"
Diameter	100 mm	3.94""



OXYGEN MEMBRANE PART NUMBER CONFIGURATION

Configurator							-				-			-	A	-	0	0	A	

Model	Prefix
OX304	OX304
OX604	OX604
OX606	OX606
OX608	OX608
OX6010	OX6010

Purity [1]	Prefix
40.0%	400
38.0%	380
36.0%	360
34.0%	340
32.0%	320
30.0%	300
28.0%	280

Pressure [2]	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

[1] Check product information page for available purities.

[2] Check product information page for maximum operating pressure

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

Example:

	Flow Rate	Purity	Pressure	Housing Material	Suffix
Requirement:	600 l/min	@ 40.0%	8.0 bar(g) inlet	Aluminium	00A
Selection:	609 l/min = EN6010	400	08	A	

Part Number:	O	X	6	0	1	0	-	4	0	0	-	0	8	-	A	-	0	0	A	

OX304

Aluminium oxygen membrane module

Minimum Outlet Flow Rate

Inlet Pressure		Purity (Enriched Oxygen Content)						
		28.0%	30.0%	32.0%	34.0%	36.0%	38.0%	40.0%
bar(g)	psi(g)	l/min						
5.0	72.5	21.5	22.0	22.5	23.0	23.5	24.0	24.5
6.0	87.0	26.3	26.9	27.5	28.1	28.7	29.3	29.9
7.0	101.5	31.1	31.9	32.6	33.3	34.0	34.7	35.4
8.0	116.0	36.1	37.0	37.8	38.6	39.4	40.2	41.1
9.0	130.5	41.3	42.2	23.1	44.1	45.0	45.9	46.9
10.0	145.0	46.5	47.5	48.6	49.7	50.7	51.8	52.8
11.0	159.5	51.9	53.0	54.2	55.4	56.6	57.8	58.9
12.0	174.0	57.3	58.6	59.9	61.3	62.6	63.9	65.2

m^3 reference to standard conditions, 20°C, 1013 mbar(a) and 0% relative water vapour pressure.

Temperature Correction Factors

°C	°F	28.0%	30.0%	32.0%	34.0%	36.0%	38.0%	40.0%
5	41.0	0.76	0.76	0.76	0.76	0.76	0.76	0.76
10.0	50.0	0.84	0.84	0.84	0.84	0.84	0.84	0.84
15.0	59.0	0.91	0.91	0.91	0.91	0.91	0.91	0.91
25.0	77.0	1.09	1.09	1.09	1.09	1.09	1.09	1.09
30.0	86.0	1.19	1.19	1.19	1.19	1.19	1.19	1.19
35.0	95.0	1.30	1.30	1.30	1.30	1.30	1.30	1.30
40.0	104.0	1.42	1.42	1.42	1.42	1.42	1.42	-
45.0	113.0	1.54	1.54	1.54	1.54	1.54	1.54	-
50.0	122.0	1.68	1.68	1.68	1.68	1.68	-	-

Product Image

Operation Parameters

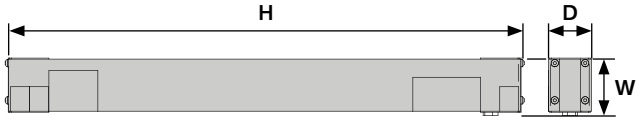
Minimum Inlet Air Quality	ISO 8573-1: 2010 Class 2.4.1	
Minimum Operating Pressure	4.0 bar(g)	58.0 psi(g)
Maximum Operating Pressure	12.0 bar(g)	174.0 psi(g)
Minimum Operating Temperature	5.0˚C	41.0˚F
Maximum Operating Temperature	45.0˚C	113.0˚F
Maximum Pressure Drop	0.3 bar(g)	4.3 psi(g)

Material & Connections

Material	Aluminium
Coating	None
Compressed Air Inlet	G⅜"
Exhaust	G⅜"
Nitrogen Outlet	G⅜"

Weight & Dimensions

Weight	2.3 kg	5.0 lbs
Height	386 mm	15.1"
Width	80 mm	3.1"
Depth	63 mm	2.4"



OX604

Aluminium oxygen membrane module

Minimum Outlet Flow Rate

Inlet Pressure		Purity (Enriched Oxygen Content)						
		28.0%	30.0%	32.0%	34.0%	36.0%	38.0%	40.0%
bar(g)	psi(g)	l/min						
5.0	72.5	45.5	46.6	47.6	48.6	49.7	50.7	51.7
6.0	87.0	55.6	56.8	58.1	59.3	60.6	61.9	63.1
7.0	101.5	65.9	67.4	68.9	70.4	71.8	73.3	74.8
8.0	116.0	76.4	78.1	79.9	81.6	83.4	85.1	86.8
9.0	130.5	87.2	89.2	91.2	93.2	95.2	97.2	99.1
10.0	145.0	98.3	101.0	103.0	105.0	107.0	109.0	112.0
11.0	159.5	110.0	112.0	115.0	117.0	120.0	122.0	125.0
12.0	174.0	121.0	124.0	127.0	130.0	132.0	135.0	138.0

m^3 reference to standard conditions, 20°C, 1013 mbar(a) and 0% relative water vapour pressure.

Temperature Correction Factors

°C	°F	28.0%	30.0%	32.0%	34.0%	36.0%	38.0%	40.0%
5	41.0	0.76	0.76	0.76	0.76	0.76	0.76	0.76
10.0	50.0	0.84	0.84	0.84	0.84	0.84	0.84	0.84
15.0	59.0	0.91	0.91	0.91	0.91	0.91	0.91	0.91
25.0	77.0	1.09	1.09	1.09	1.09	1.09	1.09	1.09
30.0	86.0	1.19	1.19	1.19	1.19	1.19	1.19	1.19
35.0	95.0	1.30	1.30	1.30	1.30	1.30	1.30	1.30
40.0	104.0	1.42	1.42	1.42	1.42	1.42	1.42	-
45.0	113.0	1.54	1.54	1.54	1.54	1.54	1.54	-
50.0	122.0	1.68	1.68	1.68	1.68	1.68	-	-

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	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	G⅜"
Exhaust	G⅜"
Nitrogen Outlet	G⅜"

Weight & Dimensions

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

OX606

Aluminium oxygen membrane module

Minimum Outlet Flow Rate

Inlet Pressure		Purity (Enriched Oxygen Content)						
		28.0%	30.0%	32.0%	34.0%	36.0%	38.0%	40.0%
bar(g)	psi(g)	l/min						
5.0	72.5	88.2	90.2	92.2	94.2	96.2	98.2	100.0
6.0	87.0	108.0	110.0	113.0	115.0	118.0	120.0	122.0
7.0	101.5	128.0	131.0	133.0	136.0	139.0	142.0	145.0
8.0	116.0	148.0	151.0	155.0	158.0	162.0	165.0	168.0
9.0	130.5	168.0	173.0	177.0	180.0	185.0	188.0	192.0
10.0	145.0	190.0	195.0	198.0	203.0	208.0	212.0	217.0
11.0	159.5	212.0	217.0	222.0	227.0	232.0	237.0	242.0
12.0	174.0	235.0	240.0	245.0	252.0	257.0	262.0	267.0

m^3 reference to standard conditions, 20°C, 1013 mbar(a) and 0% relative water vapour pressure.

Temperature Correction Factors

°C	°F	28.0%	30.0%	32.0%	34.0%	36.0%	38.0%	40.0%
5	41.0	0.76	0.76	0.76	0.76	0.76	0.76	0.76
10.0	50.0	0.84	0.84	0.84	0.84	0.84	0.84	0.84
15.0	59.0	0.91	0.91	0.91	0.91	0.91	0.91	0.91
25.0	77.0	1.09	1.09	1.09	1.09	1.09	1.09	1.09
30.0	86.0	1.19	1.19	1.19	1.19	1.19	1.19	1.19
35.0	95.0	1.30	1.30	1.30	1.30	1.30	1.30	1.30
40.0	104.0	1.42	1.42	1.42	1.42	1.42	1.42	-
45.0	113.0	1.54	1.54	1.54	1.54	1.54	1.54	-
50.0	122.0	1.68	1.68	1.68	1.68	1.68	-	-

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	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	G½"
Exhaust	G½"
Nitrogen Outlet	G½"

Weight & Dimensions

Weight	6.4 kg	14.1 lbs
Height	751mm	29.5"
Width	110mm	4.3"
Depth	84mm	3.3"

OX608

Aluminium oxygen membrane module

Minimum Outlet Flow Rate

Inlet Pressure		Purity (Enriched Oxygen Content)						
		28.0%	30.0%	32.0%	34.0%	36.0%	38.0%	40.0%
bar(g)	psi(g)	l/min						
5.0	72.5	163.0	167.0	170.0	174.0	178.0	181.0	185.0
6.0	87.0	199.0	203.0	207.0	212.0	216.0	221.0	225.0
7.0	101.5	235.0	240.0	246.0	251.0	256.0	261.0	267.0
8.0	116.0	273.0	279.0	285.0	291.0	297.0	303.0	309.0
9.0	130.5	311.0	318.0	325.0	332.0	339.0	346.0	353.0
10.0	145.0	351.0	358.0	366.0	374.0	382.0	390.0	397.0
11.0	159.5	391.0	400.0	408.0	417.0	426.0	435.0	443.0
12.0	174.0	432.0	442.0	452.0	461.0	471.0	481.0	490.0

m^3 reference to standard conditions, 20°C, 1013 mbar(a) and 0% relative water vapour pressure.

Temperature Correction Factors

°C	°F	28.0%	30.0%	32.0%	34.0%	36.0%	38.0%	40.0%
5	41.0	0.76	0.76	0.76	0.76	0.76	0.76	0.76
10.0	50.0	0.84	0.84	0.84	0.84	0.84	0.84	0.84
15.0	59.0	0.91	0.91	0.91	0.91	0.91	0.91	0.91
25.0	77.0	1.09	1.09	1.09	1.09	1.09	1.09	1.09
30.0	86.0	1.19	1.19	1.19	1.19	1.19	1.19	1.19
35.0	95.0	1.30	1.30	1.30	1.30	1.30	1.30	1.30
40.0	104.0	1.42	1.42	1.42	1.42	1.42	1.42	-
45.0	113.0	1.54	1.54	1.54	1.54	1.54	1.54	-
50.0	122.0	1.68	1.68	1.68	1.68	1.68	-	-

Product Image

Operation Parameters

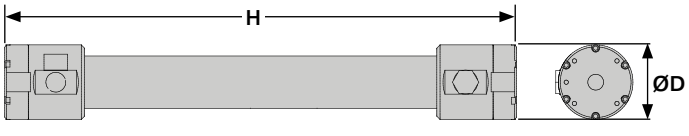
Minimum Inlet Air Quality	ISO 8573-1: 2010 Class 2.4.1	
Minimum Operating Pressure	4.0 bar(g)	58.0 psi(g)
Maximum Operating Pressure	12.0 bar(g)	174.0 psi(g)
Minimum Operating Temperature	5.0˚C	41.0˚F
Maximum Operating Temperature	50.0˚C	122.0˚F
Maximum Pressure Drop	0.3 bar(g)	4.3 psi(g)

Material & Connections

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

Weight & Dimensions

Weight	5.3 kg	11.7 lbs
Height	736mm	28.9"
Diameter	114mm	4.5"



OX6010

Aluminium oxygen membrane module

Minimum Outlet Flow Rate

Inlet Pressure		Purity (Enriched Oxygen Content)						
		28.0%	30.0%	32.0%	34.0%	36.0%	38.0%	40.0%
bar(g)	psi(g)	l/min						
5.0	72.5	318.0	325.0	333.0	341.0	348.0	356.0	364.0
6.0	87.0	387.0	396.0	406.0	415.0	425.0	434.0	443.0
7.0	101.5	458.0	470.0	481.0	492.0	503.0	514.0	525.0
8.0	116.0	532.0	545.0	55.8	571.0	584.0	596.0	609.0
9.0	130.5	607.0	622.0	637.0	652.0	666.0	681.0	696.0
10.0	145.0	685.0	701.0	718.0	735.0	751.0	768.0	784.0
11.0	159.5	764.0	783.0	801.0	820.0	838.0	857.0	875.0
12.0	174.0	846.0	866.0	887.0	907.0	928.0	948.0	969.0

m^3 reference to standard conditions, 20°C, 1013 mbar(a) and 0% relative water vapour pressure.

Temperature Correction Factors

°C	°F	28.0%	30.0%	32.0%	34.0%	36.0%	38.0%	40.0%
5	41.0	0.76	0.76	0.76	0.76	0.76	0.76	0.76
10.0	50.0	0.84	0.84	0.84	0.84	0.84	0.84	0.84
15.0	59.0	0.91	0.91	0.91	0.91	0.91	0.91	0.91
25.0	77.0	1.09	1.09	1.09	1.09	1.09	1.09	1.09
30.0	86.0	1.19	1.19	1.19	1.19	1.19	1.19	1.19
35.0	95.0	1.30	1.30	1.30	1.30	1.30	1.30	1.30
40.0	104.0	1.42	1.42	1.42	1.42	1.42	1.42	-
45.0	113.0	1.54	1.54	1.54	1.54	1.54	1.54	-
50.0	122.0	1.68	1.68	1.68	1.68	1.68	-	-

Product Image

Operation Parameters

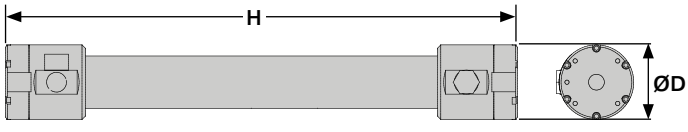
Minimum Inlet Air Quality	ISO 8573-1: 2010 Class 2.4.1	
Minimum Operating Pressure	4.0 bar(g)	58.0 psi(g)
Maximum Operating Pressure	12.0 bar(g)	174.0 psi(g)
Minimum Operating Temperature	5.0˚C	41.0˚F
Maximum Operating Temperature	50.0˚C	122.0˚F
Maximum Pressure Drop	0.3 bar(g)	4.3 psi(g)

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"



NOTES

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