

Product Information

## SEPURAN® N<sub>2</sub> Module 2" Long Alu



SEPURAN® N<sub>2</sub> 50x610 P0.5N A 12

### HIGH CAPACITY WITH LOW AIR CONSUMPTION

SEPURAN® N<sub>2</sub> is a hollow fiber membrane gas separator that is used to remove oxygen from compressed air, resulting in N<sub>2</sub> purities between 95–99.5%. The polymer is specially tailored for nitrogen generation. Unlike other gas separation membranes, SEPURAN® N<sub>2</sub> membranes are characterized by a very high flow capacity with a very good air factor, resulting in the optimization of compression and operating cost.

If you need more information, please call or email your local contact or visit [www.sepuran.com](http://www.sepuran.com)

### IN NM<sup>3</sup>/H AT 7 BARG; 25°C (NORM = 0°C; 1 ATM)

	N <sub>2</sub> produced	Air / N <sub>2</sub> ratio
98%	0.68	3.0
97%	0.87	2.6
96%	1.07	2.3
95%	1.27	2.1

### IN SCFH AT 102 PSIG; 77°F (STANDARD = 60°F; 1 ATM)

	N <sub>2</sub> produced	Air / N <sub>2</sub> ratio
98%	25.4	3.0
97%	32.5	2.6
96%	39.9	2.3
95%	47.4	2.1

The composition of the product was determined by measurement of the residual oxygen content. The “N<sub>2</sub> produced” value is the inert gas content. The pressure is the retentate pressure, namely N<sub>2</sub> produced stream discharge pressure. The inlet air divided by “N<sub>2</sub> produced” gives the air factor or air/N<sub>2</sub> ratio. The lower the air factor, the lower the investment and operating costs.

## DIMENSIONS

<b>Total length</b>	610 mm / 24 inch
<b>Min. outer diameter</b>	50 mm / 2.0 inch
<b>Max. outer diameter</b>	80 mm / 3.1 inch
<b>Weight</b>	2.3 kg / 5.1 lbs

## CONNECTIONS:

<b>Air and N<sub>2</sub> connections</b>	NPT 0.5"
<b>O<sub>2</sub> off-gas connection</b>	NPT 0.5"

## SPECIFICATIONS:

<b>External material</b>	Aluminium/SS304
<b>Operating pressure Feed- / Retentate side</b>	≤ 12.0 barg / 175 psig
<b>Operating pressure permeate side</b>	Atmospheric
<b>To be used with</b>	Pretreated pressurized air
<b>Other Gases</b>	Contact the supplier
<b>Min. operating temperature</b>	1 °C / 34 °F
<b>Max. operating temperature</b>	70 °C / 158 °F
<b>Inlet air requirements</b>	Particles, aerosols: ISO 8573-1:2010 class 1
	Condensation of water must be avoided

## CAUTION

Nitrogen enhanced gas can cause suffocation, oxygen enhanced gas can increase the risk of fire or explosion. Please consult associated documents for proper and safe use

<b>PRODUCT CODE</b>	<b>PRODUCT NAME</b>
99139664	SEPURAN® N <sub>2</sub> 50x610 P0.5N A 12

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