

Product Information

## SEPURAN® N<sub>2</sub> Module 4"



SEPURAN® N<sub>2</sub> 100x1200 P1.5N 4 16AE

### 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
99%	7.8	3.7
98%	11.2	2.9
97%	14.2	2.5
96%	17.3	2.3
95%	20.6	2.1

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

	N <sub>2</sub> produced	Air / N <sub>2</sub> ratio
99%	4.9	3.7
98%	7.0	2.9
97%	8.8	2.5
96%	10.8	2.3
95%	12.8	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>	1339 mm / 52.7 inch
<b>Min. outer diameter</b>	104 mm / 4.1 inch
<b>Max. outer diameter</b>	114 mm / 4.5 inch
<b>Weight</b>	13 kg / 29 lbs

## CONNECTIONS:

<b>Air and N<sub>2</sub> connections</b>	NPT 0.5"
<b>O<sub>2</sub> off-gas connection</b>	NPT 1.5"

## SPECIFICATIONS:

<b>External material</b>	Stainless steel 304
<b>Operating pressure Feed- / Retentate side</b>	≤ 16.0 barg / 232 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

## PRODUCT CODE

99097155

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## 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.

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