

## Product Information

# SEPURAN® N<sub>2</sub> System 6" Long



**SEPURAN® N2Sys 150x1860 P2.5N 6 16AE**  
This system contains cartridge and housing

### 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.membrane-separation.com](http://www.membrane-separation.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
<b>99%</b>	27.5	3.7
<b>98%</b>	39.0	2.9
<b>97%</b>	49.7	2.5
<b>96%</b>	60.6	2.3
<b>95%</b>	72.3	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
<b>99%</b>	17.2	3.7
<b>98%</b>	24.4	2.9
<b>97%</b>	31.1	2.5
<b>96%</b>	37.9	2.3
<b>95%</b>	45.2	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>	1998 mm / 78.7 inch
<b>Min. outer diameter</b>	168 mm / 6.6 inch
<b>Max. outer diameter</b>	179 mm / 7.1 inch
<b>Weight</b>	43 kg / 95 lbs

## CONNECTIONS:

<b>Air and N<sub>2</sub> connections</b>	NPT 1.5"
<b>O<sub>2</sub> off-gas connection</b>	NPT 2.5"

## SPECIFICATIONS:

<b>External material</b>	Stainless steel 316
<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

99133947

## PRODUCT NAME

SEPURAN® N2Sys 150x1860 P2.5N 6 16AE

## 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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**Evonik Fibres GmbH**  
Gewerbepark 4  
4861 Schörfling/Austria

Phone +43 7662 6006-0  
sepuran@evonik.com  
[www.evonik.com/sepuran](http://www.evonik.com/sepuran)  
[www.membrane-separation.com](http://www.membrane-separation.com)