

## Product Information

# SEPURAN® N<sub>2</sub> System 6”



**SEPURAN® N2Sys 150x1310 P2.ON 6 25AE**  
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.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
<b>99%</b>	17.2	3.7
<b>98%</b>	24.6	2.9
<b>97%</b>	31.2	2.5
<b>96%</b>	38.1	2.3
<b>95%</b>	45.3	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>	10.7	3.7
<b>98%</b>	15.3	2.9
<b>97%</b>	19.4	2.5
<b>96%</b>	23.7	2.3
<b>95%</b>	28.2	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>	1448 mm / 57.0 inch
<b>Min. outer diameter</b>	168 mm / 6.6 inch
<b>Max. outer diameter</b>	179 mm / 7.1 inch
<b>Weight</b>	35 kg / 78 lbs

## CONNECTIONS:

<b>Air and N<sub>2</sub> connections</b>	NPT 1"
<b>O<sub>2</sub> off-gas connection</b>	NPT 2"

## SPECIFICATIONS:

<b>External material</b>	Stainless steel 316L
<b>Operating pressure Feed- / Retentate side</b>	≤ 25.0 barg / 362 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

99111367

## PRODUCT NAME

SEPURAN® N<sub>2</sub> Sys 150x1310 P2.0N 6 25AE

## 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.

This information and all technical and other advice are based on Evonik's present knowledge and experience. However, Evonik assumes no liability for such information or advice, including the extent to which such information or advice may relate to third party intellectual property rights. Evonik reserves the right to make any changes to information or advice at any time, without prior or subsequent notice.

EVONIK DISCLAIMS ALL REPRESENTATIONS AND WARRANTIES, WHETHER EXPRESS OR IMPLIED, AND SHALL HAVE NO LIABILITY FOR, MERCHANTABILITY OF THE PRODUCT OR ITS FITNESS FOR A PARTICULAR PURPOSE (EVEN IF EVONIK IS AWARE OF SUCH PURPOSE), OR OTHERWISE. EVONIK SHALL NOT BE RESPONSIBLE FOR CONSEQUENTIAL, INDIRECT OR INCIDENTAL DAMAGES (INCLUDING LOSS OF PROFITS) OF ANY KIND.

It is the customer's sole responsibility to arrange for inspection and testing of all products by qualified experts. Reference to trade names used by other companies is neither a recommendation nor an endorsement of the corresponding product, and does not imply that similar products could not be used.

® = registered trademark

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

Phone +43 7672 6006-0  
sepuran@evonik.com  
[www.evonik.com/sepuran](http://www.evonik.com/sepuran)  
[www.sepuran.com](http://www.sepuran.com)