

Technical Information

SEPURAN® N₂ System 6" Long



SEPURAN® N2Sys 150x1860 P2.5N 6 25AE
This system contains cartridge and housing

HIGH CAPACITY WITH LOW AIR CONSUMPTION

SEPURAN® N₂ is a hollow fiber membrane gas separator that is used to remove oxygen from compressed air, resulting in N₂ purities between 95–99.5%. The polymer is specially tailored for nitrogen generation. Unlike other gas separation membranes, SEPURAN® N₂ 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

IN NM³/H AT 7 BARG; 25°C (NORM = 0°C; 1 ATM)

	N ₂ produced	Air / N ₂ ratio
99%	24.9	3.7
98%	35.6	2.9
97%	45.1	2.5
96%	55.1	2.3
95%	65.5	2.1

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

	N ₂ produced	Air / N ₂ ratio
99%	15.5	3.7
98%	22.1	2.9
97%	28.1	2.5
96%	34.3	2.3
95%	40.7	2.1

The composition of the product was determined by measurement of the residual oxygen content. The “N₂ produced” value is the inert gas content. The pressure is the retentate pressure, namely N₂ produced stream discharge pressure. The inlet air divided by “N₂ produced” gives the air factor or air/N₂ ratio. The lower the air factor, the lower the investment and operating costs.

DIMENSIONS

Total length	1998 mm / 78.7 inch
Min. outer diameter	168 mm / 6.6 inch
Max. outer diameter	179 mm / 7.1 inch
Weight	43 kg / 95 lbs

CONNECTIONS:

Air and N₂ connections	NPT 1.5"
O₂ off-gas connection	NPT 2.5"

SPECIFICATIONS:

External material	Stainless steel 316L
Operating pressure Feed- / Retentate side	≤ 16.0 barg / 232 psig
Operating pressure permeate side	Atmospheric
To be used with	Pretreated pressurized air
Other Gases	Contact the supplier
Min. operating temperature	1 °C / 34 °F
Max. operating temperature	70 °C / 158 °F
Inlet air requirements	Particles, aerosols: ISO 8573-1:2010 class 1
	Condensation of water must be avoided

PRODUCT CODE

99116741

PRODUCT NAME

SEPURAN® N2Sys 150x1860 P2.5N 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.

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