

Product Information

SEPURAN® N₂ System 4”



SEPURAN® N2Sys 100x1200 P1.5G 6 20AE
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%	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 ₂ produced	Air / N ₂ 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 “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	1292 mm / 50.9 inch
Min. outer diameter	104 mm / 4.1 inch
Max. outer diameter	114 mm / 4.5 inch
Weight	21 kg / 47 lbs

CONNECTIONS:

Air and N₂ connections	BSPP 0.75"
O₂ off-gas connection	BSPP 1.5"

SPECIFICATIONS:

External material	Stainless Steel 316L
Operating pressure Feed- / Retentate side	≤ 20.0 barg / 290 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

99111283

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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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