GENERON®

MEMBRANE MODULES MODEL 205 CP

Reliable Nitrogen Membrane modules are the heart of a nitrogen generation system. GENERON® membrane modules have been at the forefront of the industry for over 40 years. Our research and development team in California work to continually improve the performance and durability of our membranes.

By supplying the GENERON membrane modules with compressed air, they will generate a nitrogen stream suitable for an array of industries, including beverage, laboratory, food, controlled atmosphere, pharmaceutical, chemical, textile, heat treatment, electronics, and many more.

Features & Benefits:

Over 40 years of Manufacturing and Engineering
GENERON Membranes have been the benchmark of the industry and proud to have shipped over 250,000 membranes around the world.

Save Energy:
GENERON Membrane modules offer the highest efficiency in the market, reducing your compression.

Quality Guaranteed:
Every GENERON Membrane module is rigorously tested to the highest standards in one of our ISO 9001 certified facilities.

Easy Start Up:
GENERON Systems are delivered ready to start and deliver nitrogen.

Suited for Tough Environments:
GENERON Membrane modules are built to withstand even the roughest operating conditions, including the harsh offshore environment.

Reduced Footprint:
GENERON Membrane modules have the highest productivity in the industry and can have a 30% smaller footprint, allowing for horizontal or vertical installation, and adaptable to any space requirement.

Operating Conditions	
Max Pressure:	203psig (14.0 barg)
Temperature (Min/Max):	40°F-131°F (4.4°C-65°C)
Max Relative Humidity:	80% (no liquid water)
Max Particle Size:	0.01 Micron

Mechanical Description	
Outer Diameter:	2.36 inch (60mm)
Length:	23.89 inch (607mm)
Weight:	2.7 lbs (1.2 kg)
Case Material:	None

GENERON MEMBRANE MODULES - MODEL 205 CP

Nitrogen Product Flow Rate at 75°F (24°C) vs. Product Purity						
Nitrogen Product Purity in Vol% and Product Flow Rate in Nm3/h (SCFH)						
Pressure barg (psig)	95%	96%	97%	98%	99%	99.5%
6.9 (100)	1.3 (48.2)	1.1 (40.6)	0.9 (33.5)	0.7 (26.7)	0.5 (19.8)	0.4 (15.5)
8.5 (125)	1.7 (64.7)	1.4 (54.4)	1.2 (44.8)	0.9 (35.7)	0.7 (26.5)	0.5 (20.6)
10.0 (145)	2.0 (78.1)	1.7 (65.7)	1.4 (54.1)	1.1 (43.1)	0.8 (31.9)	0.6 (24.8)
11.0 (160)	2.3 (88.3)	1.9 (74.3)	1.6 (61.1)	1.3 (48.7)	0.9 (36)	0.7 (28)
12.0 (174)	2.5 (97.9)	2.1 (82.3)	1.8 (67.7)	1.4 (53.9)	1 (39.8)	0.8 (30.9)

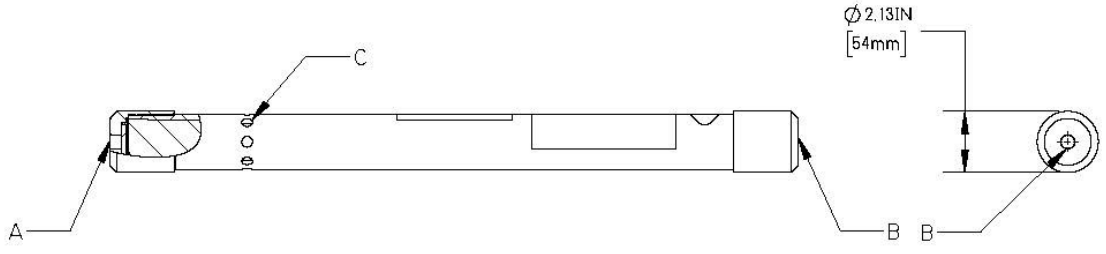
Air Recovery Rate at 75°F (24°C) in [%] vs. Product Purity						
Pressure barg (psig)	95%	96%	97%	98%	99%	99.5%
6.9 (100)	49.7%	45.9%	41.8%	36.9%	30.5%	25.4%
8.6 (125)	51.1%	47.3%	43.2%	38.3%	31.8%	26.7%
10.0 (145)	51.8%	48.1%	43.9%	39.1%	32.6%	27.4%
11.0 (160)	52.2%	48.5%	44.4%	39.5%	33%	27.9%
12.0 (174)	52.5%	48.8%	44.7%	39.9%	33.4%	28.3%

Porting Configuration	
Connection	Size
A & B-Feed/Product	1/4" FNPT
C-Permeate	Slotted

*Values illustrated are nominal

1. Seal connections with Teflon Tape or Formula 8 Thread Sealant only.
2. Standard Conditions: 75°F (24°C) and 14.7 psi (1 atm)

P/N: 06 0001098



GENERON USA
16250 Tomball Pkwy
Houston, Texas 77086
Phone: 713.937.5200
Fax: 713.937.5250
www.generon.com