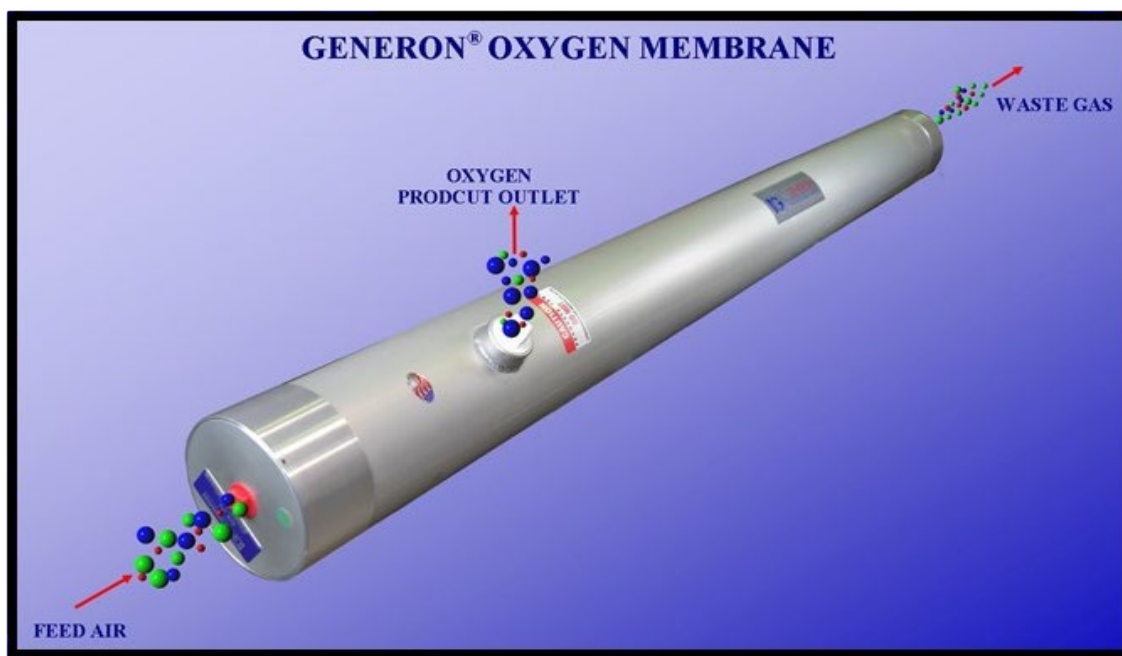




Oxygen Membrane Modules

Oxygen Series: 210 - 6150

GENERON offers multiple types of Membrane modules, depending on the final product application. Each application design has a unique chemical formulation and production process for the individual module fibers. At the heart of the technology are polymeric membrane materials that allow for rapid passage of a single gas, while minimizing the passage of others, when applying a pressure gradient across the membrane.



Membrane materials are formed into hollow fibers to provide a maximum surface area, for the high gas flow often required. **GENERON** holds over 100 U.S. patents on the design, packaging, and formulation of these hollow fiber membranes. The fibers are bundled into modules of various lengths and diameters to meet very specific flow rates and separation applications. Typical modules have anywhere from a half a million, to over a million fibers in one bundle

The process works by compressed air being directed down the center of the module fibers. As the compressed air passes down the fiber, Oxygen molecules pass through the wall of the fiber and Nitrogen molecules continue down the hollow fiber and exit at the opposite end. The separation process is quite simple and involves no moving parts, making this process ideal for applications of Oxygen purity of 38.5% or less.

Oxygen Membrane Modules-

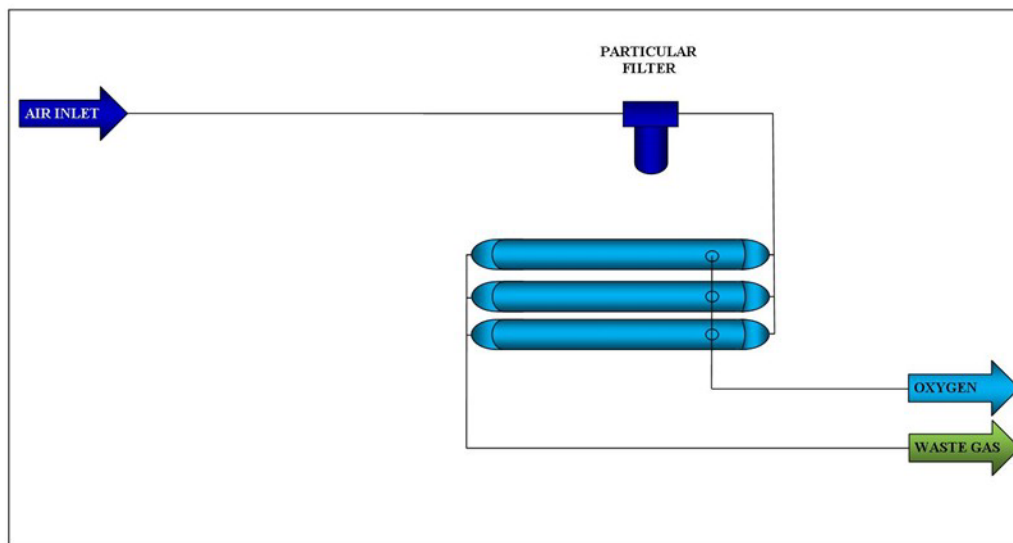
Oxygen Series: 210 - 6150

GENERON® Oxygen Membrane Modules

MODEL**	Application	Membrane Casing	MAWP in PSIG (barg)	MAWT in °F (°C)	O ₂ -Flow Rate @ 38.5% O ₂ -Purity, MAWP, 77°F	
					SCFM	LPM
210	O ₂	Aluminum	203 (14.0)	150 (65)	0.9	23.3
330	O ₂	Aluminum	203 (14.0)	150 (65)	6.1	156.7
4100	O ₂	Aluminum, 316SS	203 (14.0)	150 (65)	12.1	313.4
6150	O ₂	Aluminum, 316SS	203 (14.0)	150 (65)	27.2	706.8

Membrane Modules with higher working pressures are available upon request

MEMBRANE — O₂ — PLANT



GENERON® Oxygen Membrane Modules are used in GENERON® Oxygen Generators, as well as supplied to approved OEM's for use in their proprietary systems.

Contact one of our product specialists for performance parameters based on your exact operating condi-

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