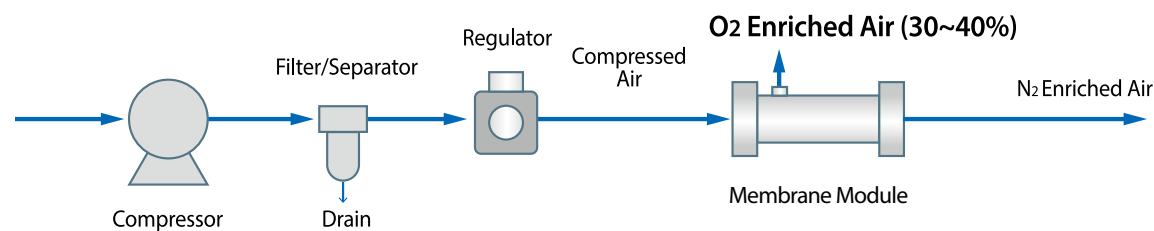


Meritair® Oxygen Generation Membrane

Schematic Diagram



Although various industrial fields require high concentration of oxygen, there are also industrial fields where only an appropriate concentration of oxygen is sufficient without the risk and cost investment required to operate a high concentration oxygen device. Oxygen generating membrane can be installed directly in medical facilities, air conditioning facilities, and sites requiring oxygen supply facilities that have these requirements, and can be an alternative to high-pressure oxygen cylinders, and also helps to improve indoor air quality.

Key Applications



Fuel Efficiency Enhancement
Oxyfuel Combustion



Healthcare



Clinical Oxygen Supply



Oxygen Chamber



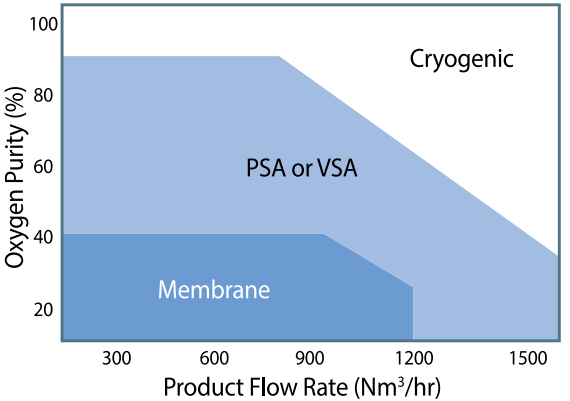
Portable
Oxygen Generator



Oxygen Dissolved Water
for Fish Farm

Why Membrane for Oxygen?

- Easy installation with low set-up costs
- Quick start-up: oxygen-enriched air is immediately provided upon start-up of the separator without any delay
- Flexible application makes it an effective solution for a wide range of facilities from small oxygen generators to large boiler system
- Easy operation and Minimal maintenance requirements
- Portable equipment for oxygen generation



Technology Comparison

Method	Cryogenic	PSA	Membrane
Oxygen Concentration	Over 99.9%	80 - 90%	30 - 40%
Installation Costs	High	High	Low
Installation Area	Large	Large	Small
Structural Features	High pressure process Need Evaporator	Batch Type Swing Process Absorbent powder residue	Simple Structure Bacteria-Free, Dust-Free
Device Size	Large	Small - Large	Small - Middle
Components	Tower / Tank /High pressure Compressor/ Refrigerator	Tower/Tank/Filter Absorbent/Swing valve/ Silencer	Separation Membrane / Filter

AIRRANE Product Specifications

Model Number	Dimension (mm)			Connection (inch)			Weight
	L	OD	ID	Feed	Retentate	Permeate	
MNHO-1512A	359	55	50	3/8"	3/8"	1/4"	0.9kg
MNHO-2022A	589	70	60	3/8"	3/8"	3/8"	1.9kg
MNHO-3032A	856	110	85	1/2"	1/2"	1/2"	6.0kg
MNHO-4040A	1064	150	114	1"	1"	1"	14kg
MNHO-6160A	1580	200	157.5	1.5"	1.5"	1.5"	26kg

