

Gas Separation Membranes

Lower CAPEX and OPEX of methane treatment installations thanks to our high performance membranes

Excellent Product Performance

Contaminant in methane (CH ₄)	Flux	Selectivity	Stability
Carbon Dioxide (CO ₂)	>300%*	>100%*	Excellent: limited plasticization
Hydrogen Sulfide (H ₂ S)	>400%*	>400%*	No negative effects expected
Water (H ₂ O)	High	High	Excellent: no effect

* Values relative to leading competitor products

Our new and unique high performance polymer membranes are offered as flat sheet membranes or spiral wound (SW) modules.
Module dimensions: 8" x 40" (20 x 102 cm). Max pressure: 100-150 bar.

Potential Applications

Natural gas treatment

- Acid gas removal (CO₂ and H₂S)
- Sweetening: H₂S removal
- Dehydration: H₂O removal
- Debottlenecking amine plants
- EOR/EGR
- Fuel gas treatment
- Coalbed methane treatment

Flue gas

- Post-combustion CO₂ capture in powerplants

Biogas treatment

- Upgrade to pipeline quality: CO₂ and H₂O removal
- Dehydration
- Methane and CO₂ emission reduction

Hydrogen / Syngas

- Pre-combustion CO₂ capture in power plants
- Steel manufacturing
- Petrochemical

For these and other applications, please contact us at membranes@fujifilm.eu

FUJIFILM Corporation

FUJIFILM is an international membrane producer with a global network. Our excellent quality and process control standards, a heritage from our photographic past, result in a zero defect production process. The supreme quality of our membranes meets the stringent demands in pharmaceutical, food & beverage, micro electronic, chemical, water and gas separation applications, as well as the inkjet, press and photographic industry. Because of our industrial production capacity we can supply membranes for both custom made as well as large scale applications. We are spearheading the membrane solutions that will drive tomorrow's industries.

Our Membranes - Your Solutions

For inquiries and further information, please contact us at membranes@fujifilm.eu

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