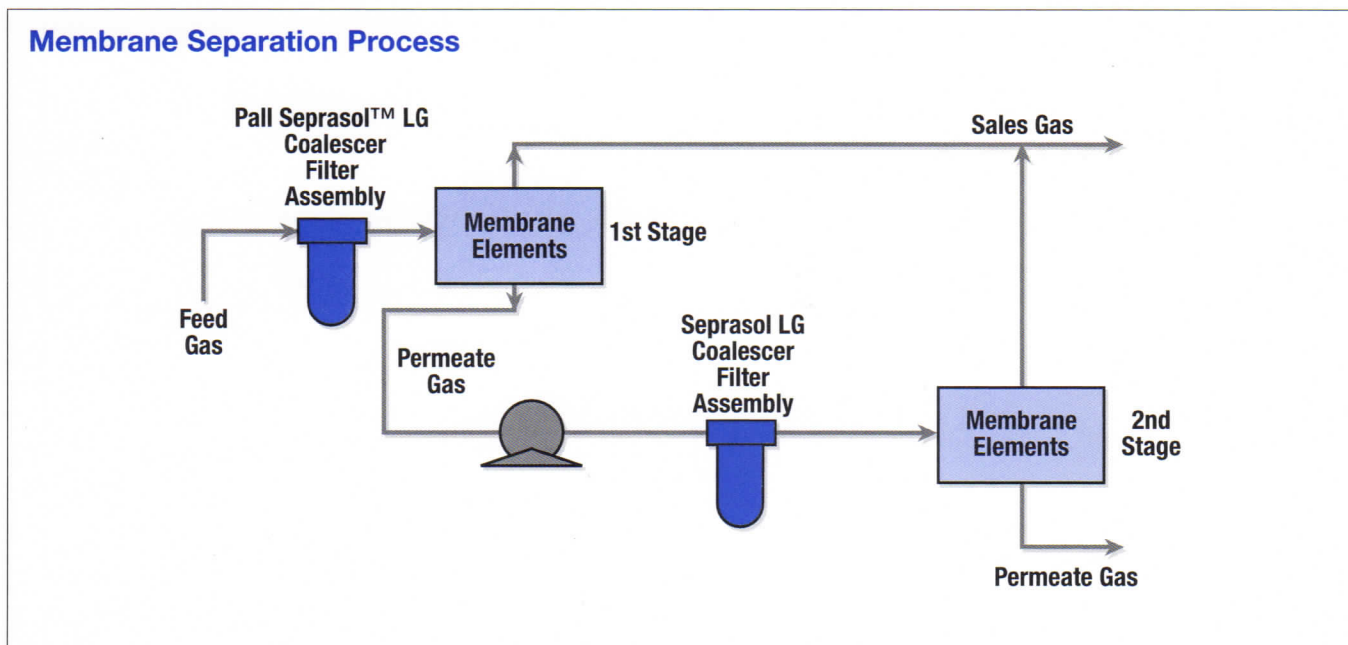


Gas Separation Membrane Protection



Application Background

Gas separation membranes for separating components from a gas stream are gaining popularity. They are often used to separate CO₂ from hydrocarbon gases, hydrogen and ammonia. Membranes are simple, modular in nature, have no moving parts, and can package a high membrane area in a small volume. Most membranes are packaged commercially in either a spiral-wound or hollow-fiber configuration. All membranes act as very fine filters and trap particles and other contaminants. Once they are plugged, even partially, their separation efficiency (directly dependent on the available porous volume) is decreased. In addition, membranes themselves are expensive and care must be taken to protect them from contaminants which have a serious and irreversible effect on membrane life.

HCP Filter Recommendations

Pall Seprazol Liquid/Gas Coalescer CC3LG7A

Minimarkets

Hydrogen Recovery and Recycling
Carbon Dioxide Separation
Air Separation into Nitrogen and Oxygen

References

GAS 4100 - Guide to Gas Filters & Housings
COA 100 - Pall Coalescer Brochure



Fuels and Chemicals

New York - USA

888.873.7255 toll free in the USA
516.484.5400 phone
+01 516 484 0364 fax
fuelsandchemicals@pall.com email

Portsmouth - Europe

023 9230 3303 phone
023 9230 2509 fax
fuelsandchemicals@pall.com email

Filtration. Separation. Solution.SM

Visit us on the Web at www.pall.com

Pall Corporation has offices and plants throughout the world in locations including: Argentina, Australia, Austria, Belgium, Brazil, Canada, China, France, Germany, Hong Kong, India, Indonesia, Ireland, Italy, Japan, Korea, Malaysia, Mexico, the Netherlands, New Zealand, Norway, Poland, Puerto Rico, Russia, Singapore, South Africa, Spain, Sweden, Switzerland, Taiwan, Thailand, United Kingdom, United States, and Venezuela. Distributors are located in all major industrial areas of the world.

© Copyright 2002, Pall Corporation. Pall, , and Seprazol™ are trademarks of Pall Corporation. ® Indicates a Pall trademark registered in the USA. **Filtration. Separation. Solution.SM** is a service mark of Pall Corporation.