

Process refrigeration systems

Natural gas liquids recovery & dew point control



Refrigeration packages up to 3,000HP are custom designed for hydrocarbon processing applications and feature leading technology from Emerson including Vilter™ screw/reciprocating compressors, Fisher® valves/regulators and Rosemount® instrumentation

Emerson leads the process refrigeration industry for compressor technology and systems design

Leveraging Emerson's oil and gas presence and industry knowledge, Vilter Manufacturing has rapidly moved to the forefront of refrigeration compressor technology and packaged systems design. Our engineered solutions are specifically designed and applied by gas plant operators to control natural gas dewpoint and natural gas liquids (NGL) recovery rates based on varying operating conditions and inlet gas composition. Increasingly the gas processing industry is relying on compressor manufacturer expertise to design and supply turnkey packaged refrigeration systems and Emerson is passionate about leading the way.

VILTER®
Since 1867


EMERSON™
Climate Technologies



Factory based design, fabrication, testing & support

Field construction time and costs are reduced by designing, fabricating and testing compression systems in our facilities. Our packaged systems offer the lowest life-cycle cost and highest reliability of any industrial refrigeration or gas compressor.

- **Technology leadership** – As Emerson’s industrial refrigeration industry center, Vilter Manufacturing has world class product development and testing facilities.
- **Multiple refrigerant capability** – R-507, R404A, R-717 (Ammonia), R-290 (Propane), R-134a, R-123, R-410A, R-410B, R1290 (Propylene), CO₂, R-407C and more.
- **Application and fabrication expertise** – Vilter’s technical and engineering staff can design complete systems specific to your requirements. Fabrication and assembly is done by our veteran trade specialists.
- **Industry standards** – per customer requirements, packaged systems are designed and fabricated to address standards such as ASME, ANSI, API, NEC NFPA and TEMA.
- **System automation** – Vilter designed control system panels can be mounted directly on your system or installed remotely. Completely factory-wired and tested, the refrigeration system is “ready to go”.



350,000 sq ft Vilter Cudahy, WI facility for design, vessel fabrication, machining and package assembly.



World class engineering and manufacturing facilities enable automated compressor performance testing.



Vilter Single Screw propane refrigeration unit, destined for new Oklahoma gas processing plant.

Learn more about the Vilter compressors at:
www.vilter.com

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