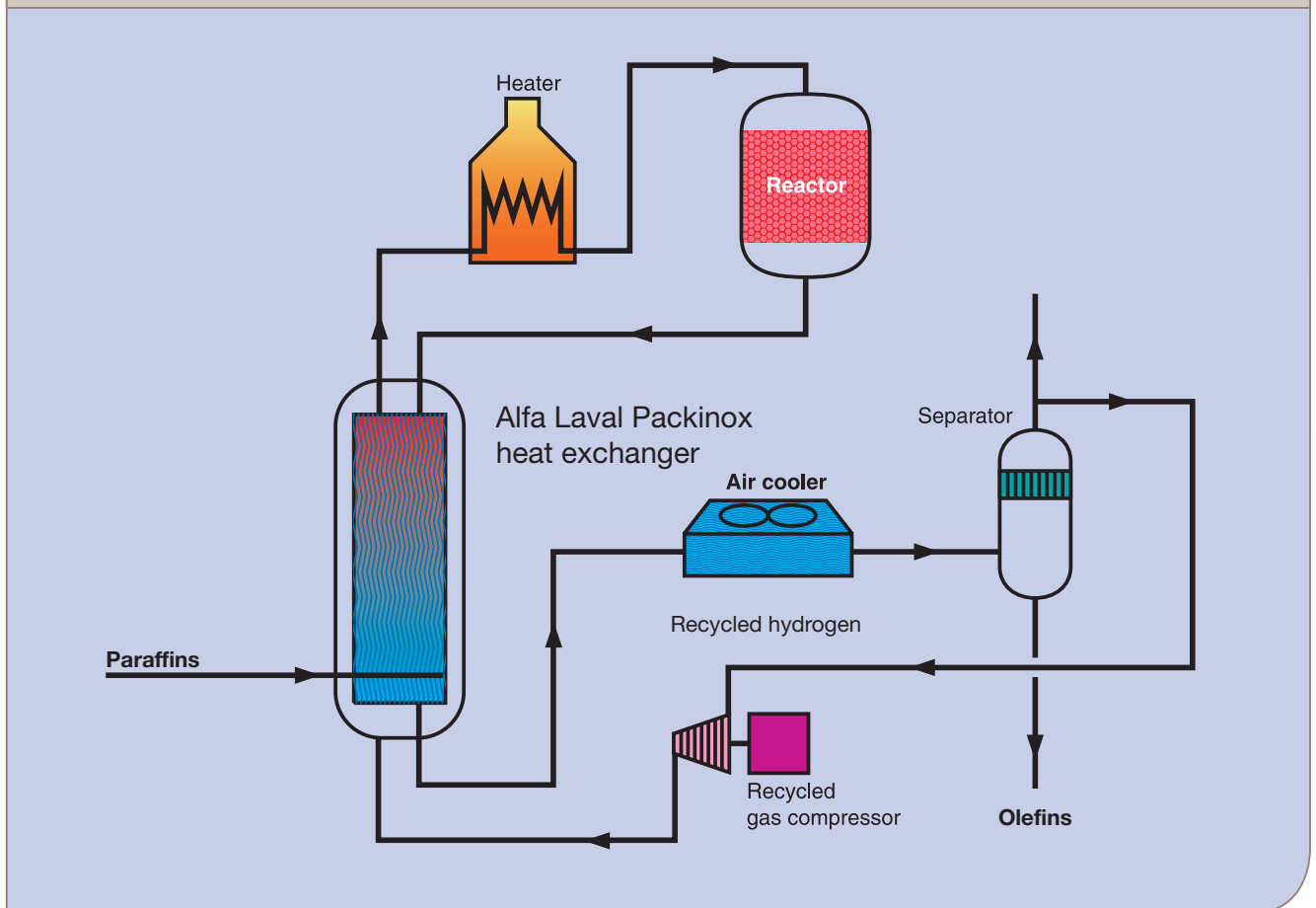




Alfa Laval Packinox for paraffin dehydrogenation

Standard combined feed/effluent heat exchanger

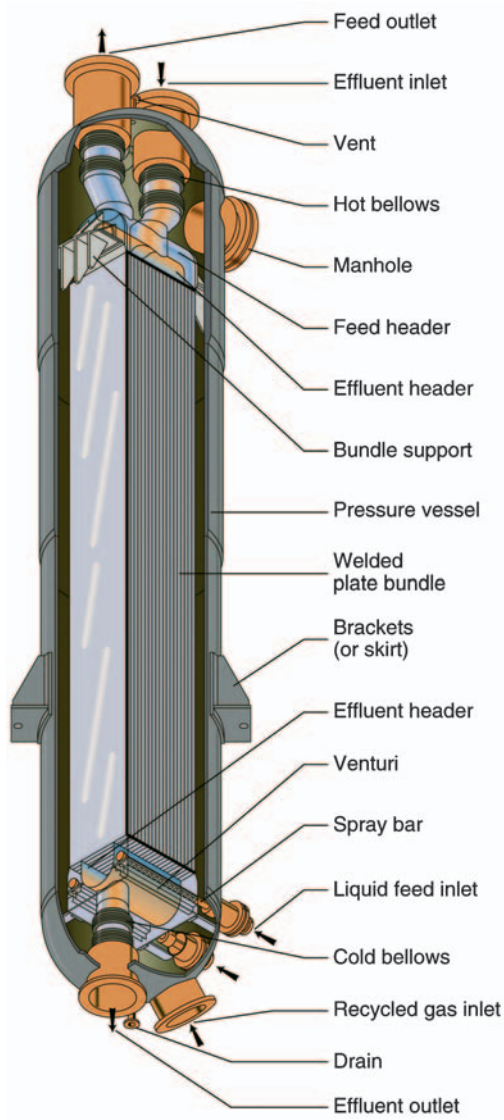


Paraffin dehydrogenation is a process which typically demands low pressure drop, efficient treatment of two-phase fluids and resistance to the hazard of catalyst fines.

These three challenges are effectively met by Alfa Laval Packinox heat exchangers.

- Alfa Laval Packinox offers very low pressure drop.
- Uniform flow and distribution of two-phase fluids within the plate bundle is ensured by patented Alfa Laval Packinox spray bars, while poor entrainment and distribution associated with low pressure drop and heavier hydrocarbons continues to be a problem for shell-&-tube exchangers. Tubulars would need a substantial overdesign to match Alfa Laval Packinox performance.

- Furthermore, the space between the plates of Alfa Laval Packinox exchangers in this application is generally about 5 mm, allowing problem-free passage of catalyst fines.



Alfa Laval Packinox Standard Combined Feed/Effluent Heat Exchangers began service in paraffin dehydrogenation units in the mid-1990s. They currently operate in paraffin dehydrogenation units demanding duty between 15 MW and 65 MW, in dimensions including lengths ranging from 10m to 15m, diameters between 2m and 3m, and total weight of 30 to 85 tons.

How to contact Alfa Laval

Up-to-date Alfa Laval contact details for all countries are always available on our website at www.alfalaval.com