



Reboiler in propane recovery

Producer of polyethylene plastic, Sweden

Case story



A Swedish producer of polyethylene plastic uses one Alfa Laval DuroShell and two AlfaNova heat exchangers in its system for recovering propane in ethylene cracker off-gases for reuse in the polyethylene production process. The DuroShell acts as a reboiler, performing well thanks to its high vaporization rate, compact size and high pressure durability.

The possibility of crossing temperatures in a single unit means a DuroShell can perform heating and vaporization duties using lower grade steam than a traditional shell-and-tube heat exchanger.

Results

- Highly efficient propane evaporation
- Compact size
- High vaporization rate
- Robust and durable



DuroShell RollerCoaster

Robust and efficient performance.



DuroShell PowerPack

Optimized flow distribution and fatigue resistance.

Learn more at www.alfalaval.com/duroshell

Why Alfa Laval DuroShell

Maximize uptime

- High reliability and fatigue resistance
- Minimal maintenance

Cut costs

- Low investment cost
- Minimal energy consumption
- Reduced maintenance costs

Increase capacity

- DuroShell's compact size and high thermal efficiency make it easy to increase capacity to solve heating and cooling limitations

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.

Alfa Laval reserves the right to change specifications without prior notification.

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