



## Jacket cooler/heater for a specialty chemicals plant

Chemicals plant, Switzerland

Case story



Significant temperature and pressure changes caused frequent fatigue failure for the jacket cooler/heater used by a specialty chemicals manufacturing plant in Switzerland. By installing Alfa Laval DuroShell, the plant has doubled uptime and cut maintenance time in half, thanks to DuroShell's improved thermal fit combined with its exceptionally fatigue-resistant design.

DuroShell offers more than just fatigue resistance when operating as a jacket cooler/heater. With its low hold-up volume, it provides fast and accurate temperature control to maximize product quality and yield. The ability to operate with crossing temperatures also minimizes costs for steam or cooling water.

### Results

- Double the expected uptime thanks to DuroShell's exceptional fatigue resistance
- Expected maintenance time reduced by 50%
- Quick and accurate temperature control as a result of low hold-up volume



**DuroShell RollerCoaster**  
Robust and efficient performance.



**DuroShell PowerPack**  
Optimized flow distribution and fatigue resistance.

Learn more at [www.alfalaval.com/duroshell](http://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](http://www.alfalaval.com).

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

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