# Is it Really Worth the Risk?

## Use of non-Alfa Laval spare parts can cost you more in the long run

Using non-Alfa Laval® parts can increase your overall maintenance and production costs. It pays to use the best.

### Quality through and through

Alfa Laval's Contherm® Scraped Surface Heat Exchangers are highly specialized, precision pieces of equipment. The Contherm Product Center is ISO9001 certified with established and proven manufacturing practices and a knowledge base that spans 35 years. You can have full confidence in the quality and dependability of our products.

### Assess overall operating costs

Many variables contribute to equipment performance. It is important and worthwhile to review your overall long-term operating costs rather than concentrating solely on short-term product/maintenance costs. Proper preventative maintenance programs are essential for managing and tracking overall costs as well as promoting optimal performance and maximizing return on investment.

### A heat exchanger that delivers unique performance

Scraped surface heat exchangers are unique in their method of operation and out-perform other types of heat exchangers. In order to deliver optimum performance, scraped surface heat exchangers may require additional care since their interior environment can be both dynamic and demanding, depending on the type of product being processed.

### Maintaining a strong chain

A chain is only as strong as its weakest link. By using non-Alfa Laval spare parts in a Contherm® Scraped Surface Heat Exchanger, you may be compromising the integrity of the interactive components in your system.

The risks of doing this include:

- Extensive and costly wear of genuine Contherm components due to non-Alfa Laval parts
- Unplanned system downtime/unreliable operation
- Making the equipment warranty invalid

The examples given here illustrate the importance of using Contherm® Scraped Surface Heat Exchanger Spare Parts from Alfa Laval. All genuine spare parts are backed by a guarantee of quality.

| Contherm Component | Associated cost and risk factors when using non-Alfa Laval parts |
|---|---|
| Seals | • Product loss<br>• Product contamination<br>• Unplanned labor and system downtime |
| Blades | • Loss of heat transfer and equipment performance<br>• Excessive and costly Contherm cylinder wear<br>• Blade breakage, causing equipment failure downstream<br>- Unplanned labor and system downtime<br>- Loss of product |
| Bearings[1] | • Cylinder wear<br>• Rotor wear<br>• Seal wear<br>• Blade wear<br>• Overall equipment failure |
| O-Rings | • Product loss<br>• Product contamination<br>• Unplanned labor and system downtime |
| Hydraulic Lift Pump | • Operator / maintenance personnel safety<br>• System downtime |
| Rotors | • Excessive heat exchange cylinder wear<br>• Blade wear<br>• Bearing failure |
| Heat Transfer Cylinder | • Blade wear<br>• Loss of heat exchange performance<br>• Rotor damage |

1 Bearings are among the least expensive parts to replace. They are responsible for the proper operation of many critical components such as the Contherm seal assemblies, the rotating rotor assembly, the scraping blades and the Contherm heat exchange cylinder itself. Failure to maintain proper bearing function can result in significant and potentially irreparable damage to your Contherm scraped surface heat exchanger.







How to contact Alfa Laval
Contact details for all countries
are continually updated on our website.
Please visit www.alfalaval.com to
access the information direct.