



## Preventative Maintenance Guidelines

### Maintenance schedules for the Contherm® Scraped Surface Heat Exchanger



#### Plan your budget. Plan your downtime.

Why wait for system breakdowns to perform corrective maintenance? Why perform maintenance at irregular intervals and inconvenient times? Why lose money due to costly, unplanned downtime?

Preventative maintenance is the safest, most cost-effective way to take care of your equipment. And by using the following suggestions, together with genuine Alfa Laval® spare parts, you will achieve the best results.

By following a regular maintenance schedule, you can better plan your operating budget and your downtime. Risk of breakdowns due to component failure is virtually eliminated and operating costs are lower in the long term.

#### **Alfa Laval Service Kits**

The Contherm Product Center ships 95 per cent of all spare parts and service kits within 24 hours, providing you with fast and reliable service. By ordering kits, you realize several benefits:

- Each service kit contains all the spare parts you need for that specific operation.
- You don't have to order a long list of individual items.
- Since each service kit has just one part number, you have fewer stock numbers to deal with.
- The kit price is less than the total cost of individual items.
- You don't need to carry a large stock of spare parts.

#### **Service Kit Offering**

- Standard and aseptic seal assemblies – major
- Standard and aseptic seal assemblies – minor
- Hydraulic lift assembly
- O-rings
- Outboard and inboard bearing assemblies
- Retaining rings

Contact the Contherm Product Center for additional details and prices.

## Contherm Scraped Surface Heat Exchanger Preventative Maintenance Schedules

Below is a periodic maintenance schedule for your Contherm® Scraped Surface Heat Exchanger or Convap Scraped Surface Evaporator. The schedule assumes Contherm or Convap production operation of approximately 40 to 50 hours per week. This table has been provided by Alfa Laval's Contherm Product Center as a suggested maintenance guideline. Please contact the Contherm Product Center directly to discuss your specific application and main-

tenance experience so that we can make recommendations for improving your process.

### Maintenance guides

Detailed maintenance manuals are supplied with every Contherm purchase. They are available in hard copy or digital format. Service videos, that take you through the maintenance procedures step-by-step are available upon request.

Component	Maintenance Action	Time Period
O-Rings	<ul style="list-style-type: none"> <li>Inspect and lubricate</li> <li>Replace</li> </ul>	<ul style="list-style-type: none"> <li>Each time the Contherm is opened</li> <li>Weekly</li> </ul>
Product Seals	<ul style="list-style-type: none"> <li>Inspect</li> <li>Replace</li> </ul>	<ul style="list-style-type: none"> <li>Weekly and when lowering the rotor assembly</li> <li>Six-month interval</li> </ul>
Blades	<ul style="list-style-type: none"> <li>Inspect and dress edge</li> <li>Replace</li> </ul>	<ul style="list-style-type: none"> <li>Weekly and when lowering the rotor</li> <li>Six-month interval or when &lt; 32mm wide (1.250")</li> </ul>
Hydraulic Lift Pump	<ul style="list-style-type: none"> <li>Check oil level</li> <li>Replace oil</li> </ul>	<ul style="list-style-type: none"> <li>Weekly</li> <li>Six-month interval</li> </ul>
Bearings <sup>1</sup>	<ul style="list-style-type: none"> <li>Inspect</li> <li>Replace</li> </ul>	<ul style="list-style-type: none"> <li>Monthly</li> <li>Six-month interval (bottom); Annually (top)</li> </ul>
Heat Transfer Cylinder <sup>2</sup>	<ul style="list-style-type: none"> <li>Inspect</li> <li>Clean In Place (CIP)</li> </ul>	<ul style="list-style-type: none"> <li>Weekly and when lowering the rotor</li> <li>As required</li> </ul>

1 Regular lower bearing inspection and replacement will ensure proper operation. Failure to maintain proper lower bearing function can result in significant and costly damage to the Contherm rotor, cylinder and blades.

2 The Contherm is designed specifically for cleaning in place with CIP solutions. Contact the Contherm Product Center for troubleshooting assistance and to discuss your specific application.

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