Alfa Laval T10
Gasketed plate-and-frame heat exchanger for a wide range of applications

Introduction
Alfa Laval Industrial line is a wide product range that is used in virtually all types of industry.

Designed for high throughput, this model delivers excellent thermal performance. A large selection of plate and gasket types is available.

Applications
• Biotech and Pharmaceutical
• Chemicals
• Energy and Utilities
• Food and Beverages
• Home and Personal care
• HVAC and Refrigeration
• Machinery and Manufacturing
• Marine and Transportation
• Mining, Minerals and Pigments
• Pulp and Paper
• Semiconductor and Electronics
• Steel
• Water and Waste treatment

Benefits
• High energy efficiency – low operating cost
• Flexible configuration – heat transfer area can be modified
• Easy to install – compact design
• High serviceability – easy to open for inspection and cleaning and easy to clean by CIP
• Access to Alfa Laval’s global service network

Features
Every detail is carefully designed to ensure optimal performance, maximum uptime and easy maintenance. Selection of available features:

- CurveFlow\textsuperscript{TM} distribution area
- PowerArc\textsuperscript{TM}
- ClipGrip\textsuperscript{TM} gasket
- Offset gasket groove
- OmegaPort\textsuperscript{TM}
- Leak chamber
- SteerLock\textsuperscript{TM}
- FlexFlow\textsuperscript{TM}
- Compact frame
- Fixed bolt head
- Key hole bolt opening
- Lifting lug
- Lining
- Lock washer
- Tightening bolt cover

Alfa Laval 360\textdegree Service Portfolio
Our extensive service offering ensure top performance from your Alfa Laval equipment throughout its life cycle. The Alfa Laval 360 Service Portfolio include installation services, cleaning and repair as well as spare parts, technical documentation and trouble shooting. We also offer replacement, retrofit, monitoring and much more.

For information about our complete service offering and how to contact us - please visit www.alfalaval.com/service.
Dimensional drawing
Measurements mm (inches)

Flange connections
<table>
<thead>
<tr>
<th>Frame model</th>
<th>Connection standard</th>
</tr>
</thead>
<tbody>
<tr>
<td>FM, PED</td>
<td>EN 1092-1 DN100 PN10 ASME B16.5 Class 150 NPS 4</td>
</tr>
<tr>
<td>FG, PED</td>
<td>EN 1092-1 DN100 PN16 ASME B16.5 Class 150 NPS 4</td>
</tr>
<tr>
<td>FD, PED</td>
<td>EN 1092-1 DN100 PN25 ASME B16.5 Class 150 NPS 4</td>
</tr>
</tbody>
</table>

The number of tightening bolts may vary depending on pressure rating.

Technical data

<table>
<thead>
<tr>
<th>Plates</th>
<th>Type</th>
<th>Free channel, mm (inches)</th>
</tr>
</thead>
<tbody>
<tr>
<td>T10-B</td>
<td>Single plate</td>
<td>2.52 (0.099)</td>
</tr>
<tr>
<td>T10-M</td>
<td>Single plate</td>
<td>3.95 (0.155)</td>
</tr>
</tbody>
</table>

Materials

- Heat transfer plates: 304/304L, 316/316L, Ti
- Field gaskets: NBR, EPDM
- Flange connections: Metal lined: stainless steel, Alloy 254, titanium
- Frame and pressure plate: Carbon steel, epoxy painted

Other materials may be available on request.

Operational data

<table>
<thead>
<tr>
<th>Frame, PV-code</th>
<th>Max. design pressure (barg/psig)</th>
<th>Max. design temperature (°C/°F)</th>
</tr>
</thead>
<tbody>
<tr>
<td>FM, PED</td>
<td>10.0/145</td>
<td>180/356</td>
</tr>
<tr>
<td>FG, PED</td>
<td>16.0/232</td>
<td>180/356</td>
</tr>
<tr>
<td>FD, PED</td>
<td>25.0/362</td>
<td>180/356</td>
</tr>
</tbody>
</table>

Extended pressure and temperature rating may be available on request.

This document and its contents are subject to copyrights and other intellectual property rights owned by Alfa Laval Corporate AB. No part of this document may be copied, reproduced or transmitted in any form or by any means, or for any purpose, without Alfa Laval Corporate AB's prior express written permission. Information and services provided in this document are made as a benefit and service to the user, and no representations or warranties are made about the accuracy or suitability of this information and these services for any purpose. All rights are reserved.

200000713-2-EN-GB © Alfa Laval Corporate AB

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