Alfa Laval T8
Gasketed plate-and-frame heat exchanger for a wide range of applications

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

Suitable for a wide range applications, this model is available with a large selection of plate and gasket types.

Applications
- Biotech and Pharmaceutical
- Chemicals
- Energy and Utilities
- Food and Beverages
- HVAC and Refrigeration
- Machinery and Manufacturing
- Marine and Transportation
- Mining, Minerals and Pigments
- Pulp and Paper
- Semiconductor and Electronics
- Steel

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:
- Corner guided alignment system
- CurveFlow™ distribution area
- ClipGrip™ gasket
- Leak chamber
- Fixed bolt head
- Key hole bolt opening
- Lifting lug
- Lining
- Lock washer
- Tightening bolt cover

Extending performance with Alfa Laval 360° Service Portfolio
Our extensive services ensure top performance from your Alfa Laval equipment throughout its life cycle. The availability of parts and our team’s commitment and expertise bring you peace of mind.

Start-up
- Installation
- Installation Supervision
- Commissioning

Maintenance
- Cleaning Services
- Reconditioning
- Repair
- Service Tools
- Spare Parts

Support
- Exclusive Stock
- Technical Documentation
- Telephone Support
- Training
- Troubleshooting

Improvements
- Equipment Upgrades
- Redesign
- Replacement and Retrofit

Monitoring
- Condition Audit
- Performance Audit
The number of tightening bolts may vary depending on pressure rating.

### Technical data

#### Plates

<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
<th>Free channel, mm (inches)</th>
</tr>
</thead>
<tbody>
<tr>
<td>T8-B</td>
<td>Single plate</td>
<td>2.3 (0.091)</td>
</tr>
<tr>
<td>T8-M</td>
<td>Single plate</td>
<td>3.9 (0.15)</td>
</tr>
</tbody>
</table>

#### Materials

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

Other materials may be available on request.

All option combinations may not be configurable.

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**Dimensional drawing**

Measurements mm (inches)

- W: 695-2400 (27.4-94.5”)
- h: 719 (28.3”)
- H: 225 (8.9”) or 231 (9.1”)

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**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, pvcALS</td>
<td>13.5/196</td>
<td>180/356</td>
</tr>
<tr>
<td>FM, PED</td>
<td>13.0/188</td>
<td>180/356</td>
</tr>
<tr>
<td>FG, pvcALS</td>
<td>15.5/225</td>
<td>180/356</td>
</tr>
<tr>
<td>FG, ASME</td>
<td>10.3/150</td>
<td>250/482</td>
</tr>
<tr>
<td>FG, PED</td>
<td>17.5/253</td>
<td>180/356</td>
</tr>
</tbody>
</table>

Extended pressure and temperature rating may be available on request.

**Flange connections**

- FM, pvcALS: EN 1092-1 DN80 PN10
  - ASME B16.5 Class 150 NPS 3
  - JIS B2220 10K 80A
- FM, PED: EN 1092-1 DN80 PN10
  - ASME B16.5 Class 150 NPS 3
- FG, pvcALS: EN 1092-1 DN80 PN10
  - EN 1092-1 DN80 PN16
  - ASME B16.5 Class 150 NPS 3
  - JIS B2220 10K 80A
  - JIS B2220 16K 80A
- FG, ASME: ASME B16.5 Class 150 NPS 3
- FG, PED: EN 1092-1 DN80 PN16
  - ASME B16.5 Class 150 NPS 3

Standard EN1092-1 corresponds to GOST 12815-80 and GB/T 9115.

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**CHE00077EN 2016-04**

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

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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.

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