

# Alfa Laval TL15

## Gasketed plate 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.

The relatively tall plate makes this model suitable for duties with long temperature programs and when high heat recovery is appreciated. A large range of plate and gasket types is available.

### Applications

- Biotech and Pharmaceutical
- Chemicals
- Energy and Utilities
- Food, Dairy 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, depending on configuration some features may not be applicable:



- Five-point alignment
- Corner guided alignment system
- Chocolate pattern distribution area
- Clip-ad gasket
- Offset gasket groove
- Leak chamber



- Bearing boxes
- Fixed bolt head
- Key hole bolt opening
- Lifting lug
- Lining
- Lock washer
- Pressure plate roller
- Tightening bolt cover

### Alfa Laval 360° 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, integrity testing, monitoring and much more.

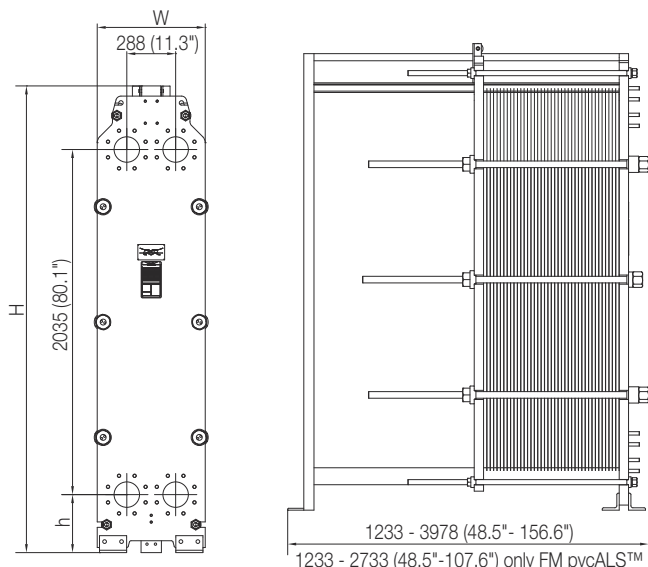
For information about our complete service offering and how to contact us - please visit [www.alfalaval.com/service](http://www.alfalaval.com/service).

## General remarks for technical information

- The global offering presented in this leaflet may not be available for all regions
- All combinations may not be configurable

## Dimensional drawing

Measurements mm (inches)



| Frame type | H             | W           | h           |
|------------|---------------|-------------|-------------|
| FM         | 2752 (108.3") | 610 (24.0") | 342 (13.5") |
| FG         | 2752 (108.3") | 637 (25.1") | 342 (13.5") |
| FG, ASME   | 2752 (108.3") | 646 (25.4") | 342 (13.5") |
| FD, ASME   | 2752 (108.3") | 646 (25.4") | 342 (13.5") |
| FG         | 2752 (108.3") | 646 (25.4") | 342 (13.5") |
| FS, ASME   | 2752 (108.3") | 646 (25.4") | 342 (13.5") |

## Technical data

| Plates | Type         | Free channel, mm (inches) |
|--------|--------------|---------------------------|
| B      | Single plate | 1.9 (0.075)               |

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

Other materials may be available on request.

## Operational data

| Frame type | Max. design pressure barg (psig) | Max. design temperature °C (°F) |
|------------|----------------------------------|---------------------------------|
| FM, PED    |                                  |                                 |
| FM, pvcALS | 10.0 (145)                       | 180 (356)                       |
| FG, pvcALS | 20.0 (290)                       | 200 (392)                       |
| FG, ASME   | 10.3 (150)                       | 250 (482)                       |
| FG, PED    | 20.0 (290)                       | 200 (392)                       |
| FD, ASME   | 20.7 (300)                       | 250 (482)                       |
| FS, pvcALS | 35.0 (507)                       | 200 (392)                       |
| FS, ASME   | 31.7 (460)                       | 250 (482)                       |
| FS, PED    | 35.0 (507)                       | 200 (392)                       |

Extended pressure and temperature rating may be available on request.

## Flange connections

| Frame type | Connection standard        |
|------------|----------------------------|
| FM, pvcALS | EN 1092-1 DN150 PN10       |
|            | ASME B16.5 Class 150 NPS 6 |
|            | JIS B2220 10K 150A         |
| FG, pvcALS | EN 1092-1 DN150 PN16       |
|            | EN 1092-1 DN150 PN25       |
|            | ASME B16.5 Class 150 NPS 6 |
|            | JIS B2220 10K 150A         |
| FG, ASME   | JIS B2220 16K 150A         |
|            | ASME B16.5 Class 150 NPS 6 |
| FG, PED    | EN 1092-1 DN150 PN16       |
|            | EN 1092-1 DN150 PN25       |
|            | ASME B16.5 Class 150 NPS 6 |
| FD, ASME   | ASME B16.5 Class 300 NPS 6 |
|            | EN 1092-1 DN150 PN25       |
|            | EN 1092-1 DN150 PN40       |
| FS, pvcALS | ASME B16.5 Class 400 NPS 6 |
|            | JIS B2220 10K 150A         |
|            | JIS B2220 20K 150A         |
| FS, ASME   | ASME B16.5 Class 400 NPS 6 |
|            | EN 1092-1 DN150 PN25       |
| FS, PED    | EN 1092-1 DN150 PN40       |
|            | ASME B16.5 Class 400 NPS 6 |

Standard EN1092-1 corresponds to GOST 12815-80 and GB/T9124.1.

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## How to contact Alfa Laval

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