



Alfa Laval TL10

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.

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 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:

- 5-point alignment system
- Corner guided alignment system
- Chocolate pattern distribution area
- Glued gasket
- Clip-on gasket
- Leak chamber
- Fixed bolt head
- Key hole bolt opening
- Lifting lug
- Lining
- Lock washer
- Pressure plate roller
- 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

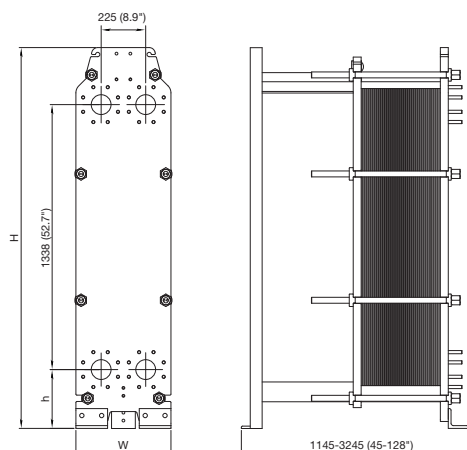
- Equipment Upgrades
- Redesign
- Replacement and Retrofit

Monitoring

- Condition Audit
- Performance Audit

Dimensional drawing

Measurements mm (inches)



Type	H	W	h
TL10-FM	1885 (74.2")	480 (18.9")	255 (10.0")
TL10-FG	1981 (78.0")	480 (18.9")	297 (11.7")
TL10-FD	1981 (78.0")	480 (18.9")	297 (11.7")
TL10-FS	1981 (78.0")	510 (20.1")	297 (11.7")

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

Technical data

Plates

Name	Type	Free channel, mm (inches)
TL10-B	Single plate	2.0 (0.079)
TL10-P	Single plate	3.0 (0.12)

Materials

Heat transfer plates	304/304L, 316/316L, 254 C-276 Ni, Ti, TiPd
Field gaskets	NBR, EPDM, FKM, FEPM
Flange connections	Carbon steel Metal lined: stainless steel, Alloy 254, Alloy C-276, nickel, titanium Rubber lined: NBR, EPDM
Frame and pressure plate	Carbon steel, epoxy painted

Other materials may be available on request.

All option combinations may not be configurable.

Operational data

Frame, PV-code	Max. design pressure (barg/psig)	Max. design temperature (°C/°F)
FM, pvcALS	10.0/145	180/356
FG, pvcALS	16.0/232	180/356
FG, ASME	10.3/150	250/482
FG, PED	16.0/232	180/356
FD, PED	25.0/362	180/356
FS, ASME	27.6/400	250/482

Extended pressure and temperature rating may be available on request.

Flange connections

FM, pvcALS	EN 1092-1 DN100 PN10 ASME B16.5 Class 150 NPS 4 JIS B2220 10K 100A
FG, pvcALS	EN 1092-1 DN100 PN16 ASME B16.5 Class 150 NPS 4 JIS B2220 16K 100A
FG, ASME	ASME B16.5 Class 150 NPS 4
FG, PED	EN 1092-1 DN100 PN16 ASME B16.5 Class 150 NPS 4
FD, pvcALS	EN 1092-1 DN100 PN25 ASME B16.5 Class 150 NPS 4 JIS B2220 20K 200A
FD, PED	EN 1092-1 DN100 PN25 ASME B16.5 Class 300 NPS 4 Special squared flange
FS, ASME	Special squared flange

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

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.