

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 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, monitoring and much more.

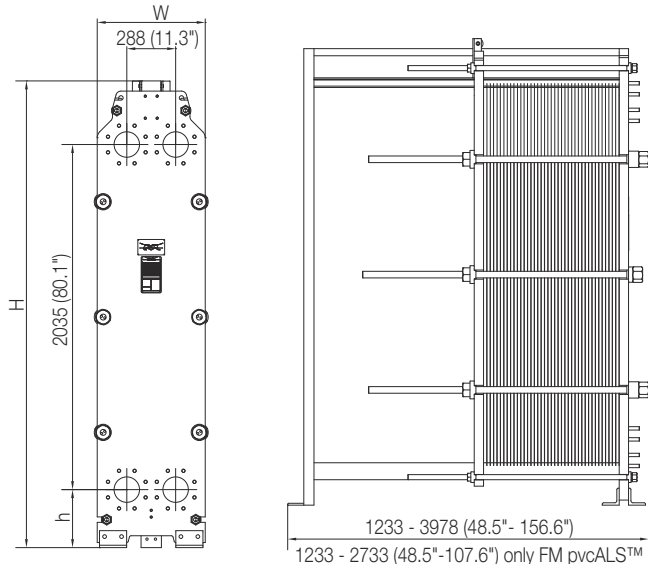
For information about our complete service offering and how to contact us - please visit www.alfalaval.com/service.

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)



Type	H	W	h
TL15-FM	2752 (108.3")	610 (24.0")	342 (13.5")
TL15-FG	2752 (108.3")	637 (25.1")	342 (13.5")
TL15-FG, ASME	2752 (108.3")	646 (25.4")	342 (13.5")
TL15-FD, ASME	2752 (108.3")	646 (25.4")	342 (13.5")
TL15-FG	2752 (108.3")	646 (25.4")	342 (13.5")
TL15-FS, ASME	2752 (108.3")	646 (25.4")	342 (13.5")

Technical data

Plates	Type	Free channel, mm (inches)
TL15-B	Single plate	1.9 (0.075)

Materials

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

Other materials may be available on request

Operational data

Frame, PV-code	Max. design pressure (barg/psig)	Max. design temperature (°C/°F)
FM, pvcALS	10.0/145	180/356
FG, pvcALS	20.0/290	200/392

Frame, PV-code	Max. design pressure (barg/psig)	Max. design temperature (°C/°F)
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 model	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
FG, ASME	JIS B2220 10K 150A
	JIS B2220 16K 150A
	ASME B16.5 Class 150 NPS 6
FG, PED	EN 1092-1 DN150 PN16
	EN 1092-1 DN150 PN25
FD, ASME	ASME B16.5 Class 300 NPS 6
FDc, ASME	EN 1092-1 DN150 PN25
	EN 1092-1 DN150 PN40
	ASME B16.5 Class 400 NPS 6
FS, pvcALS	JIS B2220 10K 150A
	JIS B2220 20K 150A
	ASME B16.5 Class 400 NPS 6
FS, ASME	EN 1092-1 DN150 PN25
	ASME B16.5 Class 400 NPS 6
FS, PED	EN 1092-1 DN150 PN40
	ASME B16.5 Class 400 NPS 6

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

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How to contact Alfa Laval

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