

Alfa Laval TL35

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
- Reinforced hanger
- Chocolate pattern distribution area
- T-bar roller
- Glued gasket
- Clip-on gasket



- Offset gasket groove
- Leak chamber
- Bearing boxes
- Fixed bolt head
- Key hole bolt opening
- Lifting lug
- Lining
- Lock washer
- Tightening bolt cover

Alfa Laval service offering

Our vision is to be your trusted partner for service, driving sustainable performance together. The Alfa Laval portfolio of service offers for Plate Heat Exchangers from start-up of your operations, through operation, process improvements, and replacement. Throughout the lifecycle, we bring you more than 140 years of technical experience and innovative service solutions tailored to your business needs. Easily accessible through our people all over the world.

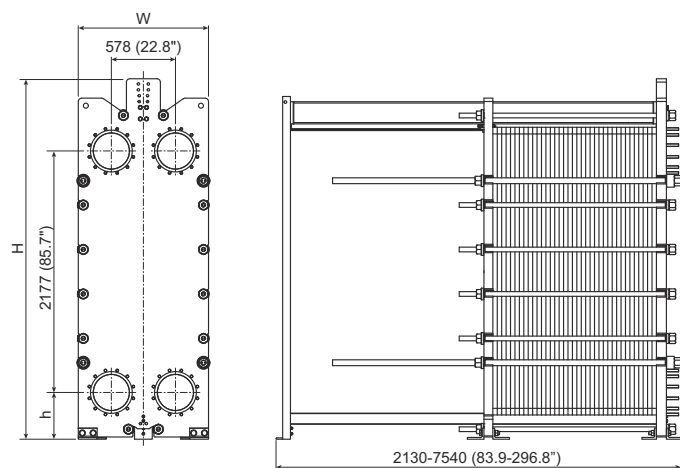
For information about our complete service offering and how to contact us, please visit www.alfalaval.com/service.

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)



Frame type	H	W	h
FM	3143 (123.7")	1174 (46.2")	421.5 (16.6")
FG, ASME	3143 (123.7")	1174 (46.2")	421.5 (16.6")
FG, ALS	3250 (128.0")	1174 (46.2")	421.5 (16.6")
FD	3263 (128.5")	1174 (46.2")	434.5 (17.1")
FS	3263 (128.5")	1187 (46.7")	434.5 (17.1")

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

Technical data

Plates	Type	Free channel, mm (inches)
B	Single plate	2.5 (0.098)

Materials

Heat transfer plates	304, 316/316L, 254, D205, Ni, C276, Ti, TiPd
Field gaskets	NBR, EPDM, FKM, HNBR, HeatSeal
Flange connections	Carbon steel
	Metal lined: stainless steel, Ti, 254, C-276, D205, TiPd
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	12.0 (174.0)	200 (392)
FM, pvcALS	12.0 (174)	200 (392)
FG, pvcALS	19.5 (283)	200 (392)
FG, ASME	10.4 (151)	250 (482)
FG, PED	20.0 (290)	200 (392)
FD, pvcALS	25.0 (362) 30.0 (435)	200 (392)
FD, ASME	20.7 (300)	250 (482)
FD, PED	30.0 (435)	200 (392)
FS, ASME	27.6 (400)	250 (482)

Extended pressure and temperature rating may be available on request.

Flange connections

Frame type	Connection standard
FM, pvcALS	EN 1092-1 DN300 PN10
	EN 1092-1 DN350 PN10
	EN 1092-1 DN400 PN10
	ASME B16.5 Class 150 NPS 12
	ASME B16.5 Class 150 NPS 14
FM, PED	JIS B2220 10K 300A
	JIS B2220 10K 350A
	EN 1092-1 DN300 PN10
	EN 1092-1 DN350 PN10
	ASME B16.5 Class 150 NPS 12
FG, pvcALS	ASME B16.5 Class 150 NPS 14
	EN 1092-1 DN300 PN16
	EN 1092-1 DN350 PN16
	EN 1092-1 DN400 PN16
	ASME B16.5 Class 150 NPS 12
FG, ASME	ASME B16.5 Class 150 NPS 14
	EN 1092-1 DN300 PN16
	EN 1092-1 DN350 PN16
	ASME B16.5 Class 150 NPS 12
	ASME B16.5 Class 150 NPS 14
FG, PED	EN 1092-1 DN300 PN25
	EN 1092-1 DN350 PN25
	ASME B16.5 Class 300 NPS 12
	ASME B16.5 Class 300 NPS 14
	EN 1092-1 DN300 PN25
FD, pvcALS	EN 1092-1 DN350 PN25
	ASME B16.5 Class 300 NPS 12
	ASME B16.5 Class 300 NPS 14
	JIS B2220 20K 300A
	JIS B2220 20K 350A
FD, ASME	ASME B16.5 Class 300 NPS 12
	ASME B16.5 Class 300 NPS 14
	EN 1092-1 DN300 PN25
	EN 1092-1 DN350 PN25
	ASME B16.5 Class 300 NPS 12
FD, PED	ASME B16.5 Class 300 NPS 14
	ASME B16.5 Class 300 NPS 12
	ASME B16.5 Class 300 NPS 14
	ASME B16.5 Class 300 NPS 12
	ASME B16.5 Class 300 NPS 14
FS, ASME	ASME B16.5 Class 400 NPS 12
	ASME B16.5 Class 400 NPS 14
	ASME B16.5 Class 400 NPS 12
	ASME B16.5 Class 400 NPS 14
	ASME B16.5 Class 400 NPS 14

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

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