



Alfa Laval T35

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.

Designed for high throughput, this model delivers excellent thermal performance. A large selection 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

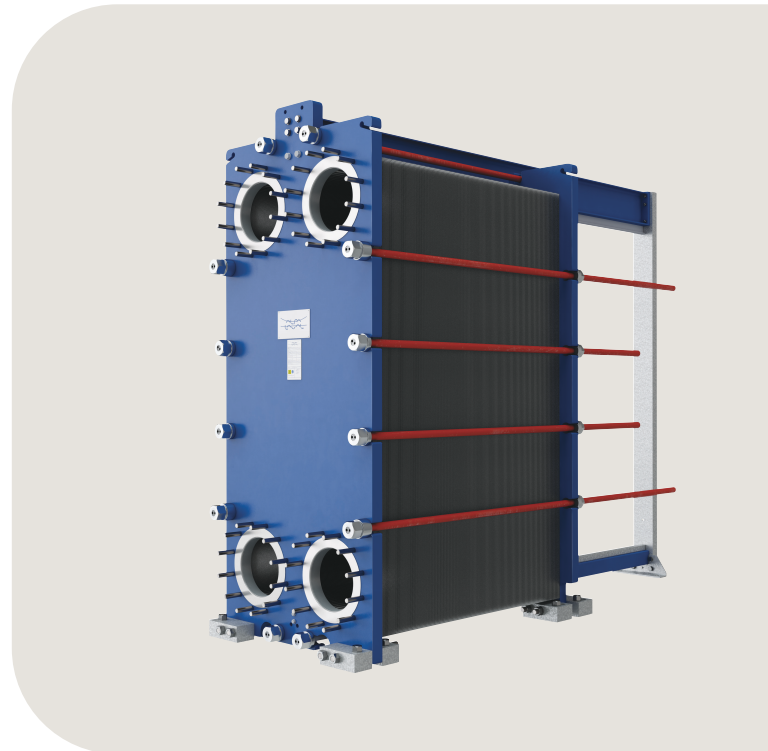
- High energy efficiency – low operating cost
- Flexible configuration – heat transfer area can be modified
- Easy to install – compact design
- High serviceability – easy to open for inspection and cleaning and easy to clean by CIP
- Access to Alfa Laval's global service network

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
- T-bar roller
- CurveFlow™ distribution area
- Glued gasket
- PowerArc™ plate pattern divider
- ClipGrip™ gasket attachment



- Offset gasket groove
- OmegaPort™ noncircular port holes
- Leak chamber
- Bearing boxes
- Fixed bolt head
- Key hole bolt opening
- Lifting lug
- Lining
- Lock washer
- Swing feet
- Tightening bolt cover

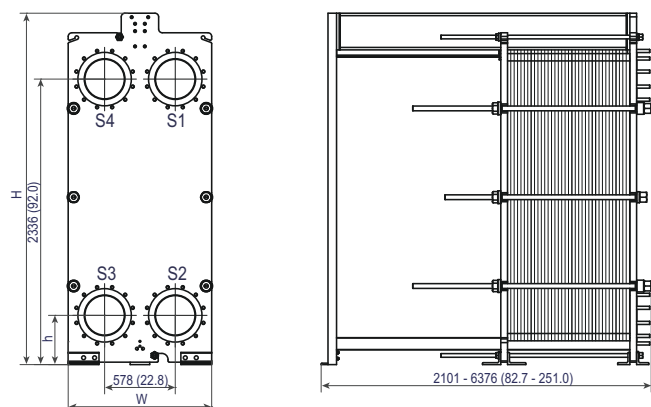
Alfa Laval 360° Service Portfolio

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.

Dimensional drawing

Measurements mm (inches)



Frame type	H	W	h
FL, ALS	2875 (113.2")	1174 (46.2")	403 (15.9")
FM, ALS, PED, Marine ¹	2875 (113.2")	1174 (46.2")	403 (15.9")
FG, ALS, ASME, PED	2875 (113.2")	1174 (46.2")	403 (15.9")
FD, ALS, ASME, PED	2875 (113.2")	1174 (46.2")	403 (15.9")
FS, PED	2875 (113.2")	1174 (46.2")	403 (15.9")
FS, ASME	2875 (113.2")	1187 (46.7")	403 (15.9")

¹ Marine includes the pressure vessel codes: ABS, BV, CCS, ClassNK, DNV, KR, LR, RINA, and RMRS.

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

Technical data

Plates	Type	Free channel, mm (inches)
P	Single plate	3.4 (0.13)
Materials		
Heat transfer plates		304/304L, 316/316L, 904L, 254
		C276, C2000
		G30
		Ti, TiPd
Field gaskets		NBR, EPDM, FKM
Flange connections		Carbon steel
		Metal lined: stainless steel Alloy 316, titanium
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)
FL, pvcALS	6.0 (87)	100 (212)
FM, PED	10.3 (150)	180 (356)
FM, pvcALS	10.3 (150)	120 (248)
FM, Marine ¹	10.0 (145)	100 (212)
FG, pvcALS	16.0 (232)	180 (356)
FG, ASME	10.3 (150)	250 (482)
FG, PED	16.0 (232)	180 (356)
FD, pvcALS	25.0 (362)	180 (356)
FD, ASME	20.7 (300)	250 (482)
FD, PED	25.0 (362)	180 (356)
FS, ASME	27.6 (400)	250 (482)
FS, PED	30.0 (435)	180 (356)

¹ Marine includes the standards: ABS, BV, CCS, ClassNK, DNV, KR, LR, RINA, and RMRS.

Extended pressure and temperature rating may be available on request.

General remarks for technical information

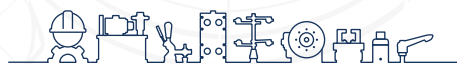
- The global offering presented in this leaflet may not be available for all regions
- All combinations may not be configurable

Flange connections

Frame type	Connection standard
FL, pvcALS	EN 1092-1 DN300 PN10
	EN 1092-1 DN350 PN10
	ASME B16.5 Class 150 NPS 12
	ASME B16.5 Class 150 NPS 14
	JIS B2220 10K 300A
FM, pvcALS	JIS B2220 10K 350A
	EN 1092-1 DN300 PN10
	EN 1092-1 DN350 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
FM, Marine ¹	ASME B16.5 Class 150 NPS 14
	EN 1092-1 DN300 PN10
	EN 1092-1 DN350 PN10
	ASME B16.5 Class 150 NPS 6
	JIS B2220 10K 300A
FG, pvcALS	JIS B2220 10K 350A
	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, ASME	JIS B2220 16K 300A
	JIS B2220 16K 350A
	ASME B16.5 Class 150 NPS 12
	ASME B16.5 Class 150 NPS 14
	EN 1092-1 DN300 PN16
FG, PED	EN 1092-1 DN350 PN16
	ASME B16.5 Class 150 NPS 12
	ASME B16.5 Class 150 NPS 14
	EN 1092-1 DN300 PN25
	EN 1092-1 DN350 PN25
FD, pvcALS	ASME B16.5 Class 300 NPS 12
	ASME B16.5 Class 300 NPS 14
	JIS B2220 20K 300A
	JIS B2220 20K 350A
	ASME B16.5 Class 300 NPS 12
FD, ASME	ASME B16.5 Class 300 NPS 14
	EN 1092-1 DN300 PN25
	EN 1092-1 DN350 PN25
	ASME B16.5 Class 300 NPS 12
	ASME B16.5 Class 300 NPS 14
FD, PED	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
FS, ASME	ASME B16.5 Class 300 NPS 14
	ASME B16.5 Class 400 NPS 12
	ASME B16.5 Class 400 NPS 14
	ASME B16.5 Class 300 NPS 12
	ASME B16.5 Class 300 NPS 14
FS, PED	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 12

¹ Marine includes the standards: ABS, BV, CCS, DNV, ClassNK, KR, LR, RINA, and RMRS.

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



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