



# Alfa Laval T6

## Gasketed plate-and-frame 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 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:



- CurveFlow™ distribution area
- ClipGrip™ gasket attachment
- Offset gasket groove
- OmegaPort™ noncircular port holes
- Leak chamber
- SteerLock™ plate alignment
- FlexFlow™ plate design



- Compact frame
- Fixed bolt head
- Key hole bolt opening
- Lifting lug
- Lining
- Lock washer
- 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.

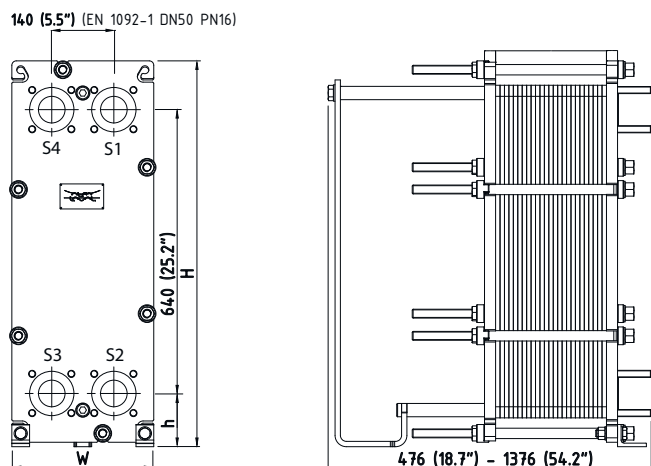
For information about our complete service offering and how to contact us - please visit [www.alfalaval.com/service](http://www.alfalaval.com/service).

## 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)



Type	H	W	h
T6-FM ALS	890 (35")	320 (12.6")	140 (5.51")
T6-FG ALS, PED, ASME, Marine <sup>1</sup>	890 (35")	320 (12.6")	140 (5.51")
T6-FD ALS, PED, ASME	890 (35")	330 (13")	130 (5.12")
T6-ZM ALS	827.5 (32.57")	298 (11.73")	102.5 (4.03")

<sup>1</sup> Marine includes the PV-codes: ABS, BV, CCS, ClassNK, DNV GL, KR, LR, RINA, and RMRS.

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

## Technical data

Plates	Type	Free channel, mm (inches)
B	Single plate	1.80 (0.07)
P	Single plate	3.00 (0.12)
MDC	Double wall plate	3.00 (0.12)

### Materials

Heat transfer plates	304, 316, 254, C276, 904L, C2000, D-205, Ni, TiPd, Ti
Field gaskets	NBR, EPDM, FKM, HNBR, HeatSeal
Flange connections	Metal lined: stainless steel, titanium
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	12.0/174	200/392
FG, pvcALS	18.0/261	200/392
FG, ASME	11.2/162	250/482
FG, PED	20.0/290	200/392
FG, Marine <sup>1</sup>	18.0/261	180/356
FD, pvcALS	31.0/449.5	200/392
FD, ASME	23.8/345	250/482
FD, PED	31.0/449.5	200/392
ZM, pvcALS	10.0/145	110/230

<sup>1</sup> Marine standard includes the standards: ABS, BV, CCS, ClassNK, DNV GL, KR, LR, RINA, and RMRS.

Extended pressure and temperature rating may be available on request.

## Flange connections

Frame	Connection standard
FM, pvcALS	EN 1092-1 DN50 PN10
	ASME B16.5 Class 150 NPS 2
	JIS B2220 10K 50A
FG, pvcALS	External thread ISO-G
	EN 1092-1 DN50 PN16
	ASME B16.5 Class 150 NPS 2
FG, Marine	JIS B2220 10K 50A
	JIS B2220 16K 50A
	EN 1092-1 DN50 PN16
FG, ASME	ASME B16.5 Class 150 NPS 2
	Straight (welding) NPS 2
	External thread NPT NPS 2
FG, PED	EN 1092-1 DN50 PN16
	ASME B16.5 Class 150 NPS 2
	EN 1092-1 DN50 PN25
FD, pvcALS	ASME B16.5 Class 150 NPS 4
	ASME B16.5 Class 300 NPS 2 (Rectangular Loose Flange)
	JIS B2220 20K 50A (Rectangular Loose Flange)
FD, ASME	ASME B16.5 Class 300 NPS 2 (Rectangular Loose Flange)
	Straight (welding) NPS 2
	External thread NPT NPS 2
FD, PED	EN 1092-1 DN50 PN25
	ASME B16.5 Class 300 NPS 2 (Rectangular Loose Flange)
ZM, pvcALS	EN 1092-1 DN50 PN10

## Pipe connections

Connection type	Connection standard
Threaded port	ISO 228 - G 2
External thread	ISO 228 - G 2 B

Other connection types may be available on request.



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