



# Alfa Laval AQ6T

## Gasketed plate heat exchanger for HVAC applications

### Introduction

Alfa Laval AlfaQ™ is AHRI Certified® through the Liquid to Liquid Heat Exchangers (LLHE) Certification Program which ensures thermal performance in accordance with the product specifications.

Suitable for a wide range of applications, this model is available with a large selection of plate and gasket types.

### Applications

- HVAC and Refrigeration

### 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
- T-bar roller
- CurveFlow™ distribution area
- ClipGrip™ gasket attachment
- Offset gasket groove
- OmegaPort™ noncircular port holes
- Leak chamber
- SteerLock™ plate alignment
- FlexFlow™ plate design
- Compact frame
- Bearing boxes
- Fixed bolt head
- Key hole bolt opening
- Lifting lug
- Lining
- Lock washer
- Tightening bolt cover



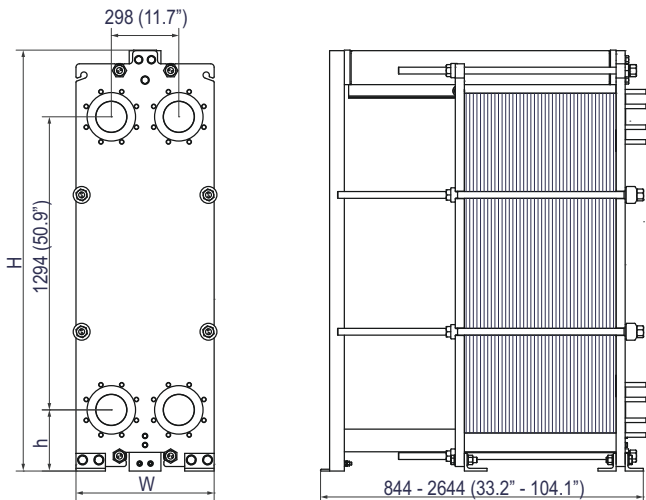
### Alfa Laval 360° Service Portfolio

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, integrity testing, 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).

## Dimensional drawing

Measurements mm (inches)



Frame type	H	W	h
FM, PED, ALS, Marine <sup>1</sup>	1833 (72.7")	610 (24.0")	270 (10.6")
FG, PED, ALS, Marine <sup>1</sup>	1871 (73.7")	650 (25.6")	284.5 (11.2")
FG, ASME	1856 (73.1")	650 (25.6")	270 (10.6")
FS, PED, ALS, ASME	1871 (73.7")	650 (25.6")	284.5 (11.2")
FD, ASME	1871 (73.7")	650 (25.6")	284.5 (11.2")

<sup>1</sup> 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)
B	Single plate	2.42 (0.0953)
M	Single plate	3.80 (0.1496)
BDC	Double wall plate	2.45 (0.0965)

## Materials

Heat transfer plates	304, 316, 254, C276, Ni, C2000, G30, D205, Ti, TiPd
Field gaskets	NBR, EPDM, FKM, HNBR, HeatSeal
Flange connections	Metal lined: stainless steel, Alloy 254, Alloy C276, titanium
	Rubber lined: NBR, EPDM
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	10.4 (151)	200 (392)
FM, pvcALS	10.4 (151)	200 (392)
FM, Marine <sup>1</sup>	10.4 (151)	180 (356)
FG, pvcALS	16.0 (232)	200 (392)
FG, ASME	11.0 (159)	250 (482)
FG, PED	16.0 (232)	200 (392)
FG, Marine <sup>1</sup>	16.0 (232)	180 (356)
FD, ASME	21.0 (304)	250 (482)

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

Frame type	Max. design pressure barg (psig)	Max. design temperature °C (°F)
FS, pvcALS	38.0 (551)	200 (392)
FS, ASME	36.0 (522)	250 (482)
FS, PED	38.0 (551)	200 (392)

<sup>1</sup> 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
FM, pvcALS	EN 1092-1 DN150 PN10
	EN 1092-1 DN150 PN16
	ASME B16.5 Class 150 NPS 6
FM, PED	JIS B2220 10K 150A
	EN 1092-1 DN150 PN10
	EN 1092-1 DN150 PN16
FM, Marine <sup>1</sup>	ASME B16.5 Class 150 NPS 6
	JIS B2220 10K 150A
	EN 1092-1 DN150 PN16
FG, pvcALS	EN 1092-1 DN150 PN16
	EN 1092-1 DN150 PN25
	ASME B16.5 Class 150 NPS 6
FG, Marine <sup>1</sup>	JIS B2220 10K 150A
	JIS B2220 16K 150A
	EN 1092-1 DN150 PN16
FG, ASME	ASME B16.5 Class 150 NPS 6
	EN 1092-1 DN150 PN16
	EN 1092-1 DN150 PN25
FG, PED	ASME B16.5 Class 150 NPS 6
	ASME B16.5 Class 300 NPS 6
	EN 1092-1 DN150 PN25
FD, ASME	EN 1092-1 DN150 PN25
	EN 1092-1 DN150 PN40
	ASME B16.5 Class 300 NPS 6
FS, pvcALS	JIS B2220 20K 150A
	ASME B16.5 Class 300 NPS 6
	ASME B16.5 Class 300 NPS 6
FS, ASME	EN 1092-1 DN150 PN25
	EN 1092-1 DN150 PN40
	ASME B16.5 Class 300 NPS 6

<sup>1</sup> 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.

## Certificates



This document and its contents are subject to copyrights and other intellectual property rights owned by Alfa Laval AB (publ) or any of its affiliates (jointly "Alfa Laval"). No part of this document may be copied, re-produced or transmitted in any form or by any means, or for any purpose, without Alfa Laval's prior express written permission. Information and services provided in this document are made as a benefit and service to the user, and no representations or warranties are made about the accuracy or suitability of this information and these services for any purpose. All rights are reserved.

200001444-15-EN-GB

© Alfa Laval AB

---

**How to contact Alfa Laval**

Up-to-date Alfa Laval contact details for all countries are always available on our website at [www.alfalaval.com](http://www.alfalaval.com)