

Alfa Laval AQ2T

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.

Designed for high throughput, this model delivers excellent thermal performance. A large selection of plate and gasket types is available.

Applications

- HVAC

Benefits

- 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

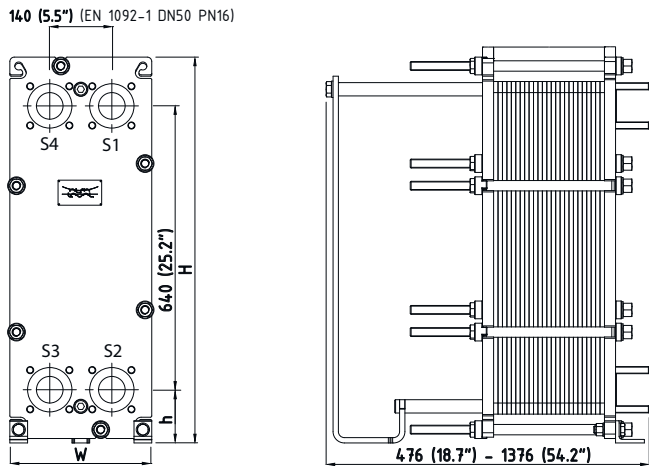


Laval 360 Service Portfolio include installation services, cleaning and repair as well as spare parts, technical documentation and trouble shooting. We also offer replacement, retrofit, integrity testing, monitoring and much more.

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
FM ALS	890 (35")	320 (12.6")	140 (5.51")
FG ALS, PED, ASME, Marine ¹	890 (35")	320 (12.6")	140 (5.51")
FD ALS, PED, ASME	890 (35")	330 (13")	130 (5.12")

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)
B	Single plate	1.80 (0.07)
P	Single plate	3.00 (0.12)
Mc	Single plate	3.00 (0.12)
MDC	Double wall plate	3.00 (0.12)

Materials

Heat transfer plates	304, 316, 254, C276, C2000, D205, Ni, Ti, TiPd, G30
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 type	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 ¹	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)

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	
FM, pvcALS	EN 1092-1 DN50 PN10	
	ASME B16.5 Class 150 NPS 2 JIS B2220 10K 50A	
FG, pvcALS	EN 1092-1 DN50 PN16	
	ASME B16.5 Class 150 NPS 2 JIS B2220 10K 50A JIS B2220 16K 50A	
	EN 1092-1 DN50 PN16	
FG, Marine ¹	ASME B16.5 Class 150 NPS 2 JIS B2220 10K 50A JIS B2220 16K 50A	
	FG, ASME	ASME B16.5 Class 150 NPS 2 EN 1092-1 DN50 PN16
		FG, PED
FD, pvcALS	EN 1092-1 DN50 PN25	
	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)
FD, PED	EN 1092-1 DN50 PN25	
	ASME B16.5 Class 300 NPS 2 (Rectangular Loose Flange)	

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

Pipe connections

Connection type	Connection standard
Threaded port	ISO 228 - G 2
Straight welded	NPS 2 (80 mm)
External thread	ISO 228 - G 2 B
	2 - 11.5 NPT

Other connection types may be available on request.

Certificates



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How to contact Alfa Laval

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