Alfa Laval AQ8

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 HVAC applications, this model is available with a large selection of plate and gasket types.

Applications

- HVAC

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
- Glued gasket
- Clip-on gasket
- Offset gasket groove
- Leak chamber
- Bearing boxes
- Fixed bolt head
- Key hole bolt opening
- Lifting lug
- Lining
- Lock washer
- Pressure plate roller
- 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.

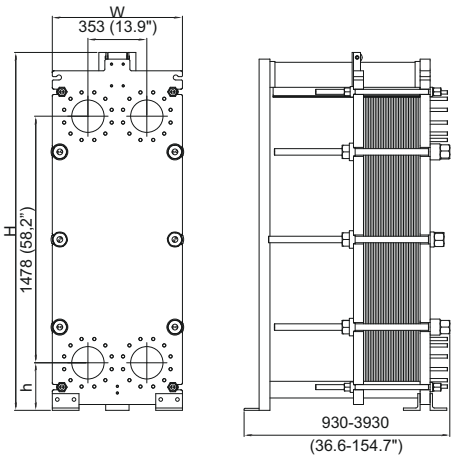
For information about our complete service offering and how to contact us - please visit www.alfalaval.com/service.

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, pvcALS	2141 (84.3")	780 (30.7")	280 (11.0")
FM, PED	2146 (84.5")	755 (27.7")	285 (11.2")
FG	2146 (84.5")	780 (30.7")	285 (11.2")
FS	2183 (85.9")	780 (30.7")	323 (12.7")

Technical data

Plates	Type	Free channel, mm (inches)
T20-B	Single plate	1.9 (0.075)
T20-M	Single plate	4.0 (0.16)
T20-P	Single plate	2.9 (0.11)

Materials	
Heat transfer plates	304/304L, 316/316L, 254, Alloy 33 C-276, C-2000
Field gaskets	NBR, EPDM, FKM, HNBR, HeatSeal
Flange connections	Carbon steel Metal lined: stainless steel, Alloy C-276, titanium Rubber lined
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	10.0/145	180/356
FG, pvcALS	16.0/232	180/356
FG, ASME	10.3/150	249/480
FG, PED	16.0/232	180/356
FD, ASME	20.7/300	249/480
FS, pvcALS	29.5/427	200/392
FS, ASME	27.6/400	249/480
FS, PED	30.0/435	160/320
FT, PED		

Extended pressure and temperature rating may be available on request.

Flange connections

Frame type	Connection standard
FM, pvcALS	EN 1092-1 DN200 PN10 ASME B16.5 Class 150 NPS 8 JIS B2220 10K 200A
FG, pvcALS	EN 1092-1 DN200 PN16 EN 1092-1 DN200 PN25 ASME B16.5 Class 150 NPS 8 JIS B2220 10K 200A JIS B2220 16K 200A
FG, Marine [1]	
FG, ASME	ASME B16.5 Class 150 NPS 8
FG, PED	EN 1092-1 DN200 PN10 EN 1092-1 DN200 PN16 EN 1092-1 DN200 PN25 ASME B16.5 Class 150 NPS 8 ASME B16.5 Class 150 NPS 8 ASME B16.5 Class 150 NPS 10
FD, ASME	ASME B16.5 Class 150 NPS 8 ASME B16.5 Class 300 NPS 8
FDc, ASME	
FS, pvcALS	EN 1092-1 DN200 PN25 EN 1092-1 DN200 PN40 ASME B16.5 Class 300 NPS 8 ASME B16.5 Class 400 NPS 8 JIS B2220 20K 200A
FS, ASME	ASME B16.5 Class 300 NPS 8 ASME B16.5 Class 400 NPS 8
FS, PED	EN 1092-1 DN200 PN25 EN 1092-1 DN200 PN40 ASME B16.5 Class 400 NPS 8

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

Standard EN1092-1 corresponds to GOST 12815-80 and GB/T 9115.

Certificates

AHRI CERTIFIED™
www.ahridirectory.org
Liquid to Liquid Heat Exchangers
AHRI Standard 400

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