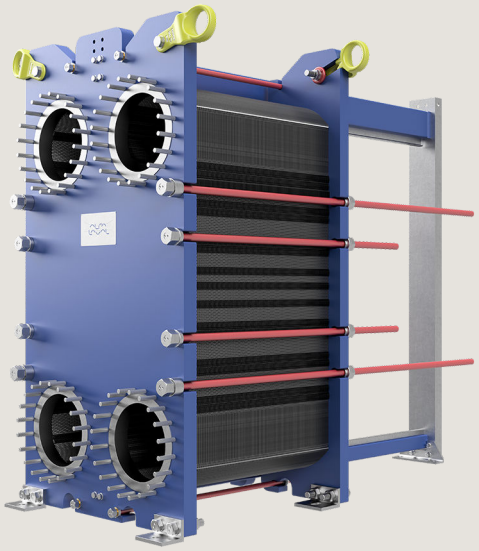
Alfa Laval AQ18TS

Gasketed plate heat exchanger for a wide range of 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

- 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
- FlexFlow™ plate design
- 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.

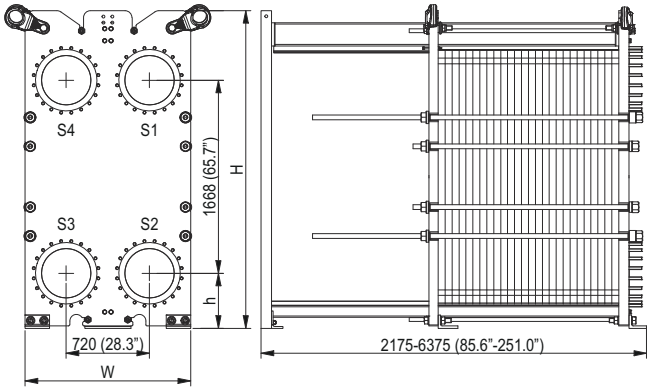
For information about our complete service offering and how to contact us - please visit www.alfalaval.com/service.

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
FD	2745 (108.1")	1430 (56.3")	476 (18.7")
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FM	2745 (108.1")	1430 (56.3")	476 (18.7")

Technical data

Plates	Type	Free channel, mm (inches)
TS45-M	Single plate	3.95 (0.155)

Materials	
Heat transfer plates	304, 316, 254, Ti
Field gaskets	NBR, EPDM, FKM, HeatSeal
Flange connections	Carbon steel Metal lined: stainless steel, Alloy 254, 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	11.0 (159)	200 (392)
FG, pvcALS	18.0 (261)	200 (392)
FG, ASME	10.4 (151)	250 (482)
FG, PED	18.5 (268)	200 (392)
FD, pvcALS	24.0 (348)	200 (392)
FD, ASME	21.4 (310)	250 (482)

Extended pressure and temperature rating may be available on request.

Flange connections

Frame type	Connection standard
FM, pvcALS	EN 1092-1 DN450 PN10 EN 1092-1 DN500 PN10 ASME B16.5 Class 150 NPS 18 JIS B2220 10K 450A
FG, pvcALS	EN 1092-1 DN450 PN16 ASME B16.5 Class 150 NPS 18 JIS B2220 16K 450A
FG, ASME	ASME B16.5 Class 150 NPS 18
FG, PED	EN 1092-1 DN450 PN16 ASME B16.5 Class 150 NPS 18
FD, pvcALS	EN 1092-1 DN450 PN25 ASME B16.5 Class 150 NPS 18 ASME B16.5 Class 300 NPS 18 JIS B2220 20K 450A
FD, ASME	ASME B16.5 Class 300 NPS 18

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