

# Alfa Laval AQ3

## 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

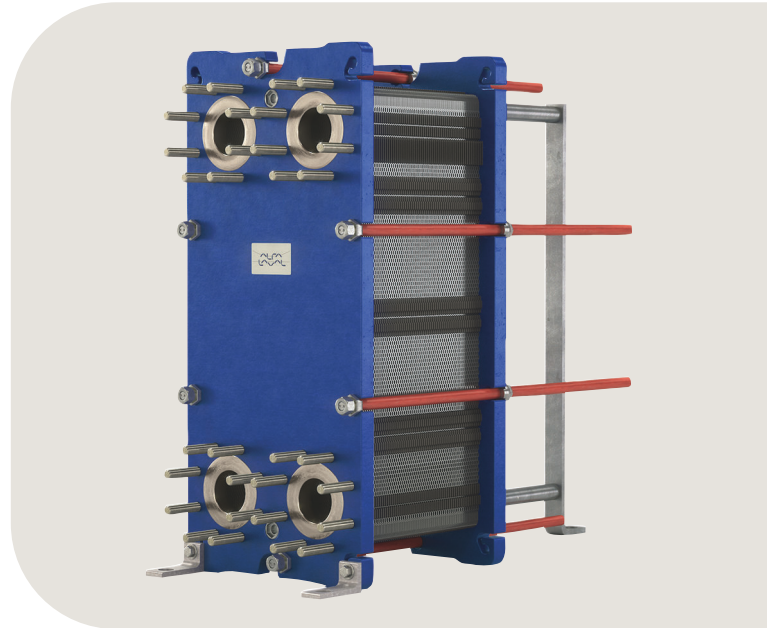
Every detail is carefully designed to ensure optimal performance, maximum uptime and easy maintenance. Selection of available features, depending on configuration some features may not be applicable:



- Corner guided alignment system
- CurveFlow™ distribution area
- ClipGrip™ gasket attachment
- Offset gasket groove
- OmegaPort™ noncircular port holes
- Leak chamber
- 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

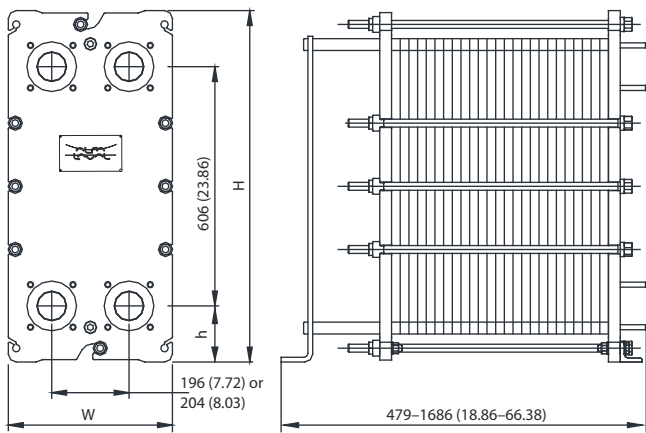


documentation and trouble shooting. We also offer replacement, retrofit, integrity testing, monitoring and much more.

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	890 (35.04")	400 (15.78")	142 (5.59")
FG	890 (35.04")	400 (15.78")	142 (5.59")
FG, ASME	890 (35.04")	416 (16.38")	142 (5.59")

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

## Technical data

Plates	Type	Free channel, mm (inches)
B	Single plate	2.3 (0.091)
M	Single plate	3.9 (0.15)

## Materials

Heat transfer plates	304/304L, 316/316L Ti
Field gaskets	NBR, EPDM
Flange connections	Metal lined: stainless steel, titanium Rubber lined: NBR
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	13.0 (188)	180 (356)
FM, pvcALS	13.5 (196)	180 (356)
FG, pvcALS	15.5 (225)	180 (356)
FG, ASME	10.3 (150)	250 (482)
FG, PED	17.5 (253)	180 (356)

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 DN80 PN10
	ASME B16.5 Class 150 NPS 3
	JIS B2220 10K 80A
FM, PED	EN 1092-1 DN80 PN10
	ASME B16.5 Class 150 NPS 3
FG, pvcALS	EN 1092-1 DN80 PN16
	ASME B16.5 Class 150 NPS 3
	JIS B2220 10K 80A JIS B2220 16K 80A
FG, ASME	ASME B16.5 Class 150 NPS 3
	EN 1092-1 DN80 PN16
FG, PED	EN 1092-1 DN80 PN16
	ASME B16.5 Class 150 NPS 3

Standard EN1092-1 corresponds to GOST 12815-80 and GB/T9124.1.

## Certificates



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## How to contact Alfa Laval

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