

# Alfa Laval M3

## Gasketed plate heat exchanger for a wide range of applications

### Introduction

Alfa Laval Industrial line is a wide product range that is used in virtually all types of industry.

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

In addition to normal single plate configuration, this model is also available with double wall plates. Double wall plates are used as an extra precaution to avoid intermixing of fluids.

### Applications

- Biotech and Pharmaceutical
- Chemicals
- Energy and Utilities
- Food, Dairy and Beverages
- Home and Personal care
- HVAC and Refrigeration
- Machinery and Manufacturing
- Marine and Transportation
- Mining, Minerals and Pigments
- Pulp and Paper
- Semiconductor and Electronics
- Steel
- Water and Waste treatment

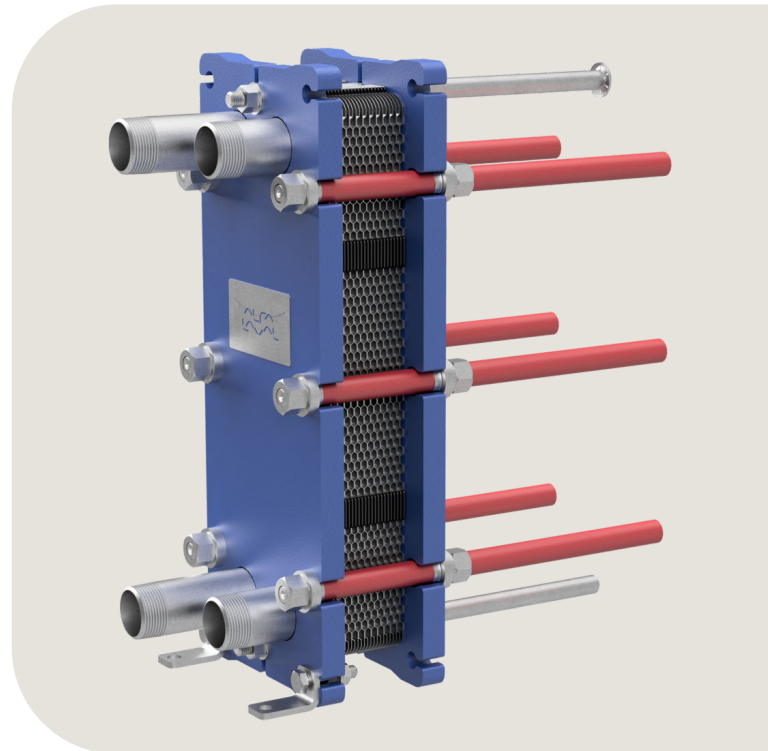
### Benefits

- 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:

- Glued gasket
- Clip-on gasket
- 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.

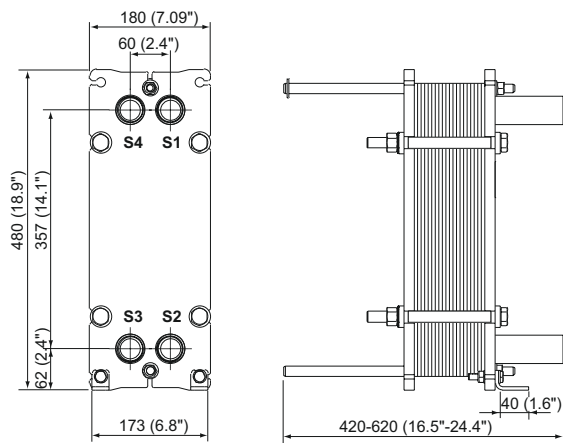
For information about our complete service offering and how to contact us - please visit [www.alfalaval.com/service](http://www.alfalaval.com/service).

## 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)



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

## Technical data

Plates	Type	Free channel, mm (inches)
M3	Single plate	2.4 (0.095)
D	Double wall plate	2.4 (0.095)

### Materials

Heat transfer plates	316/316L Alloy C276 Ti, TiPd Ti, TiPd
Field gaskets	NBR, EPDM, FKM
Flange connections	Carbon steel
Pipe connections	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)
FG, pvcALS	16.0 (232)	180 (356)
FG, ASME	10.3 (150)	177 (350)
FG, PED	16.0 (232)	180 (356)

Extended pressure and temperature rating may be available on request.

## Pipe connections

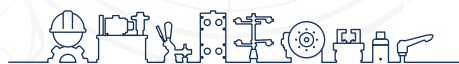
Connection type	Connection standard
Threaded port	ISO 228 - G 1 1/4
External parallel threaded	ISO 228 - G 1 1/4 B
External tapered threaded	ISO 7 - R 1 1/4 1 1/4 - 11.5 NPT

Other connection types may be available on request.

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## How to contact Alfa Laval

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