

# Alfa Laval MX25

# Gasketed plate-and-frame heat exchanger for a wide range of applications

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

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

#### **Applications**

- Biotech and Pharmaceutical
- Chemicals
- Energy and Utilities
- · Food and Beverages
- · Home and Personal care
- · HVAC and Refrigeration
- Machinery and ManufacturingMarine 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:

- 5-point alignment system
- · Reinforced hanger
- · Chocolate pattern distribution area
- Glued gasket
- Clip-ad gasket
- Leak chamber
- Bearing box
- Fixed bolt head
- · Key hole bolt opening
- Lifting lug
- Lining
- Lock washer
- · Pressure plate roller
- Tightening bolt cover



#### Extending performance

with Alfa Laval 360° Service Portfolio

Our extensive services ensure top performance from your Alfa Laval equipment throughout its life cycle. The availability of parts and our team's commitment and expertise bring you peace of mind.

# Start-up

- Installation
- · Installation Supervision
- Commissioning

#### Maintenance

- Cleaning Services
- Reconditioning
- Repair
- Service Tools
- Spare Parts

# Support

- Exclusive Stock
- Technical Documentation
- · Telephone Support
- Training
- Troubleshooting

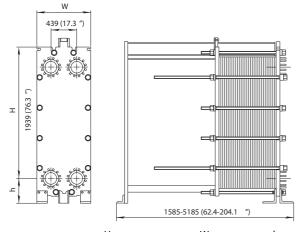
## Improvements

- Equipment Upgrades
- Redesign
- Replacement and Retrofit

### Monitoring

- Condition Audit
- · Performance Audit

## Dimensional drawing Measurements mm (inches)



Туре	H	W	h
MX25-FMS	2595 (102.2")	920 (36.2")	325 (12.8")
MX25-FGS	2595 (102.2")	920 (36.2")	325 (12.8")
MX25-FG	max. 3103 (122.2")	920 (36.2")	435 (17.1")
MX25-FD	max. 3103 (122.2")	940 (37.0")	435 (17.1")
MX25-FS	max. 3103 (122.2")	940 (37.0")	435 (17.1")

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

# Technical data

PΙ	at	es

Name	Type	Free channel, mm (inches)
MX25-B	Single plate	2.5 (0.098)
MX25-M	Single plate	4.0 (0.16)

Materials	
Heat transfer plates	304/304L, 316/316L, 254
	C-276
	Ti
Field gaskets	NBR, EPDM, FKM
Flange connections	Carbon steel
	Metal lined: stainless steel, Alloy C-276,
	titanium
	Rubber lined: NBR, EPDM

Carbon steel, epoxy painted

Other materials may be available on request.

All option combinations may not be configurable.

Operational data

Frame, PV-code	Max. design pressure (barg/psig)	Max. design temperature (°C/°F)
FMS, pvcALS	10.0/145	180/356
FMS, PED	10.0/145	180/356
FG, ASME	10.3/150	177/350
FG, PED	16.0/232	200/392
FGS, pvcALS	16.0/232	180/356
FGS, ASME	10.3/150	180/356
FGS, PED	16.0/232	180/356
FD, pvcALS	25.0/363	210/410
FD, ASME	20.7/300	177/350
FD, PED	25.0/362	210/410
FS, ASME	27.6/400	177/350

Extended pressure and temperature rating may be available on request.

Flange connections	
FMS, pvcALS	EN 1092-1 DN200/DN250 PN10
	ASME B16.5 Class 150 NPS 8/NPS10
	JIS B2220 10K 200A/250A
FMS, PED	EN 1092-1 DN200/DN250 PN10
	ASME B16.5 Class 150 NPS 8/NPS10
FG, pvcALS	EN 1092-1 DN200/DN250 PN16
	ASME B16.5 Class 150 NPS 8/NPS10
	JIS B2220 10K 200A/250A
	JIS B2220 16K 200A/250A
FG, ASME	ASME B16.5 Class150 NPS 8/NPS10
FG, PED	EN 1092-1 DN200/DN250 PN16
	ASME B16.5 Class 150 NPS 8/NPS10
FGS, pvcALS	EN 1092-1 DN200/DN250 PN16
	ASME B16.5 Class 150 NPS 8/NPS10
	JIS B2220 10K 200A/250A
	JIS B2220 16K 200A/250A
FGS, ASME	ASME B16.5 Class 150 NPS 8/NPS10
FGS, PED	EN 1092-1 DN20 0/DN250 PN16
	ASME B16.5 Class 150 NPS 8/NPS10
FD, pvcALS	EN 1092-1 DN200/DN250 PN25
•	ASME B16.5 Class 300 NPS 8/NPS 10
	JIS B2220 20K 200A/250A
FD, ASME	ASME B16.5 Class 300 NPS 8/NPS10
FD, PED	EN 1092-1 DN200/DN250 PN25
	ASME B16.5 Class 300 NPS 8/NPS 10
FS, ASME	ASME B16.5 Class 400 NPS 8/NPS 10

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

CHE00074EN 2016-04

Frame and pressure plate

Alfa Laval reserves the right to change specifications without prior notification.

How to contact Alfa Laval Contact details for all countries are continually updated on our website. Please visit www.alfalaval.com to access the information direct.