

Alfa Laval AlfaVap 650

Gasketed plate heat exchanger for evaporating applications

Introduction

Alfa Laval AlfaVap is a tailor-made rising film plate evaporator that is based on Alfa Laval's semi-welded technology. The product evaporates in the gasketed channel while the steam heating medium condenses in the welded channel. AlfaVap can be used in evaporation systems and as a thermosiphon reboiler. A large range of plate and gasket types is available.

Applications

- Biotech and Pharmaceutical
- Chemicals
- Energy and Utilities
- Food, Dairy and Beverages
- Water and Waste treatment

Benefits

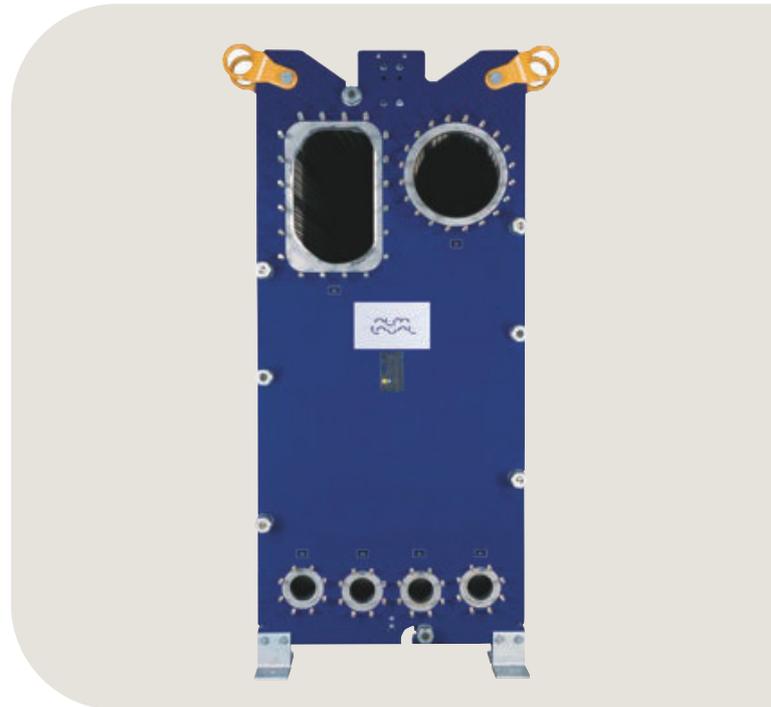
- Low hold-up volume – quick start-up and shut-down as well as fast process control
- High energy efficiency – low operating cost
- Easy to install – compact design
- High serviceability – easy to open for inspection and cleaning and easy to clean by CIP
- Access to Alfa Laval's global service network

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
- Clip-on gasket
- Leak chamber
- Bearing boxes
- Fixed bolt head
- Key hole bolt opening
- Lifting lug
- Lining
- Lock washer
- Pressure plate roller
- Tightening bolt cover



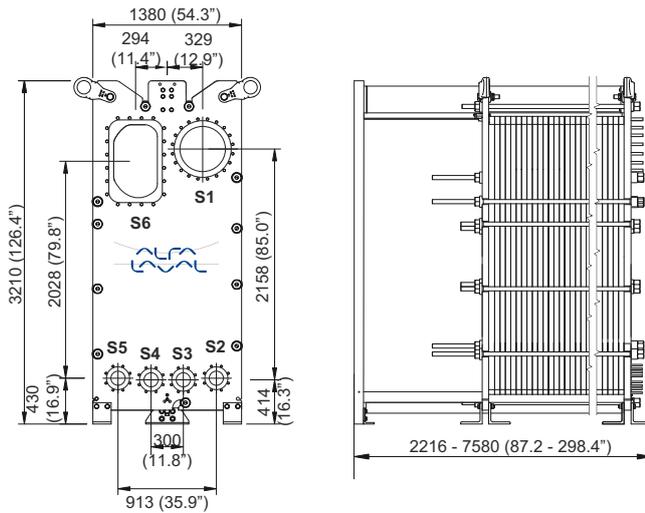
Alfa Laval 360° Service Portfolio

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.

Dimensional drawing

Measurements mm (inches)



Connections

Ports	Connection standard
Product inlet	2 x EN1092-1 DN150 PN10
	2 x ASME B16.5 Class 150 NPS 6 2 x JIS B2220 10K 150A
Product outlet	EN1092-1 DN650 PN10
	ASME B16.5 Class 150 NPS 26 JIS B2220 10K 650A
Steam inlet	EN1092-1 DN450 PN10
	ASME B16.5 Class 150 NPS 18 JIS B2220 10K 450A
Condensate outlets	2 x EN1092-1 DN150 PN10
	2 x ASME B16.5 Class 150 NPS 6 2 x JIS B2220 10K 150A

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

Technical data

Plates	Type	Free channel, mm (inches)
EC650-W	Semi-welded	6.5 / 6.5 (0.26 / 0.26)

Materials

Heat transfer 304/304L, 316/316L, 310S, 254

plates Ni, Ti

Field gaskets NBR, EPDM, FKM, HeatSeal

Ring gaskets NBR, EPDM, FKM, HeatSeal

Flange connections Metal lined: stainless steel, nickel, 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) ¹	Max. design temperature °C (°F)
FL, pvcALS	4.0 (58)	180 (356)
FL, ASME	3.5 (51)	180 (356)
FL, PED	4.0 (58)	180 (356)
FM, PED	10.0 (145)	200 (392)
FM, pvcALS	8.0 (116)	200 (392)
FM, ASME	8.4 (122)	180 (356)

¹ Values for Product channel (Steam channel)

Extended pressure and temperature rating may be available on request.

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How to contact Alfa Laval

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