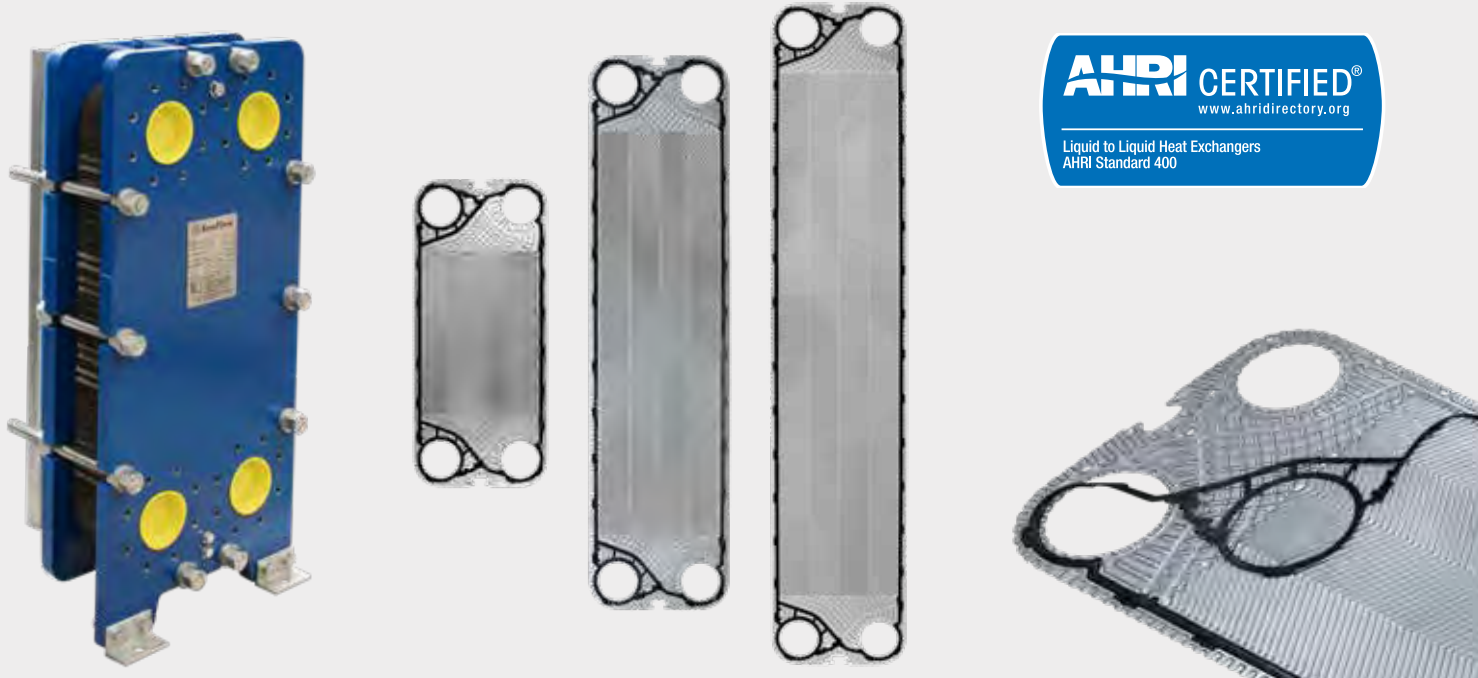


Plate Heat Exchanger AF100 Series

AF101, AF102, AF103 & AF104



ZILONIS Energy Solutions offers a wide range of AHRI-certified® products, including the AF100 series. The series is certified in the category of "AHRI Liquid to Liquid Heat Exchangers," which confirms the thermal performance according to the specified specifications. With the AF100 series, ZILONIS offers a reliable and efficient single-pass solution that is suitable for many different applications. This is a cost-effective solution that ensures optimal heat transfer and minimal maintenance.

Typical applications:

- General cooling/heating
- HVAC
- Refrigeration
- Industrial
- Marine
- Food & beverages
- Chemicals
- Mining
- Electronics
- Data centres

Features:

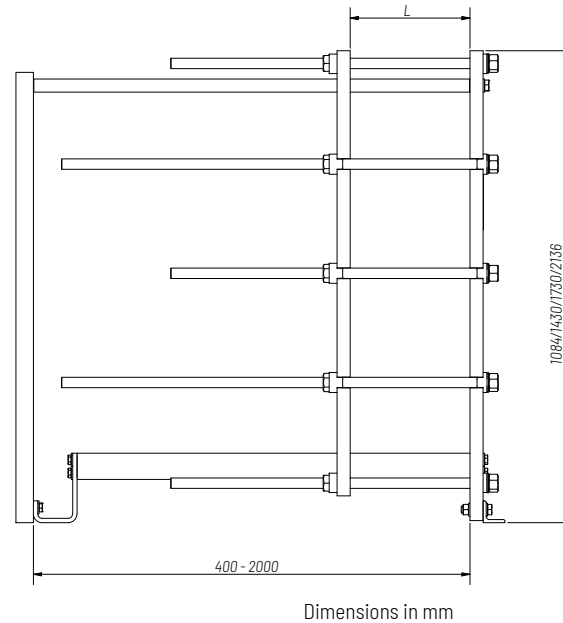
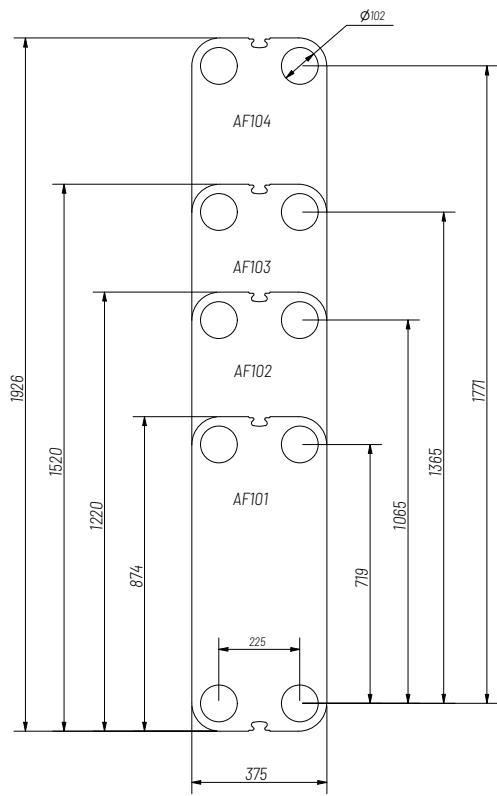
Every detail is carefully designed to ensure optimal performance, reduced maintenance costs and decreased downtime:

- Compact design
- High flexibility

- Lock gasket system
- Gentle product handling
- Design pressure up to 25 bar
- Operating temperature up to 180° C
- Leak chamber
- Fixed bolt head
- Lifting lug
- Lining
- Lock washer

Benefits:

- Lower operating costs
- Cost-effective
- Easy assembly
- Increased energy efficiency
- Easy cleaning
- Dead spots, that cause corrosion and fouling are eliminated



Design pressure:

- Painted frames: 1.0/1.6/2.5 MPa (145/232/362 PSI)
- Stainless steel: 1.0/1.6 MPa (145/232 PSI)

Construction standards:

- EN13445
- ASME sec VIII, Div. 1

Frame:

- Painted frame, RAL 5010 (available in other colours)
- Stainless steel frame

Connections:

- DN 100/4" flange in carbon steel, rubber lined or clad with AISI 316 or titanium
- DN 80/3" & DN 100/4" dairy unions
- According to all known standards

Plate material:

- AISI 304/316 and titanium
- Other materials available on request

Gaskets:

- Click on gasket – a glue less system for sealing
- Materials: NBR, EPDM and Viton
- Other materials available on request

Accessories:

- Drip tray
- Insulation jackets
- Safety cover
- Assembling spanner
- Foundation feet



AHRI Certified® is the trusted mark of performance for heating, air conditioning, water heating, and commercial refrigeration equipment.

To find AHRI Certified products, go to www.ahridirectory.org.

Certificerede products in the AF100 Series

| Model number | AHRI Certified Reference Number |
|--------------|---------------------------------|
| AF101PS10 | 207614988 |
| AF101PS16 | 207614989 |
| AF101PL10 | 207614990 |
| AF101PL16 | 207614991 |
| AF101PL25 | 207614992 |
| AF102PS10 | 207614993 |
| AF102PS16 | 207614994 |
| AF102PL10 | 207614995 |
| AF102PL16 | 207614996 |
| AF102PL25 | 207614997 |
| AF103PS10 | 207614998 |
| AF103PS16 | 207614999 |
| AF103PL10 | 207615000 |
| AF103PL16 | 207615001 |
| AF103PL25 | 207615002 |
| AF104PS10 | 207615003 |
| AF104PS16 | 207615004 |
| AF104PL10 | 207615005 |
| AF104PL16 | 207615006 |
| AF104PL25 | 207615007 |

06.2023

ZILONIS Energy Solutions GmbH reserves the rights to change the specifications without prior notification.