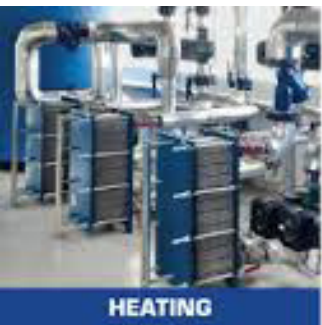


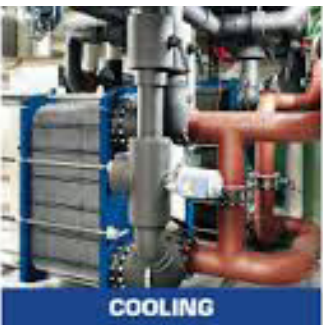
AEL

PRODUCT RANGE DN 100+ / 4"

MODEL: AEL300+ AEL450+ AEL700+



HEATING



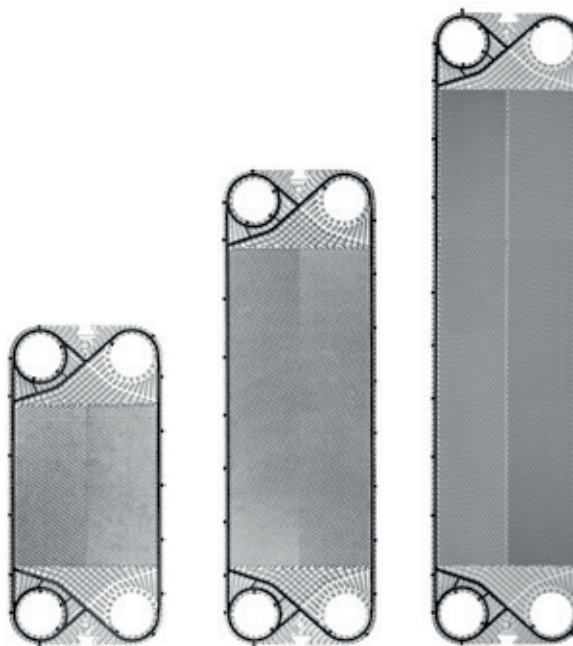
COOLING



ENERGY RECOVERY

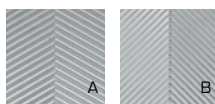
AEL

HEATING SOLUTIONS



| Product Range | AEL300+ | AEL450+ | AEL700+ |
|---|----------------|----------------|----------------|
| Exchange area [m ²] | 0,268 | 0,482 | 0,697 |
| Width [mm] | 425 | 425 | 425 |
| Height [mm] | 877 | 1322 | 1767 |
| Connections diameter | DN100 4" | DN100 4" | DN100 4" |
| Channel capacity [l] | 0,766 | 1,217 | 1,669 |
| Tightening quote [mm] | 3,1 | 3,1 | 3,1 |
| Plate weight (with gasket) [Kg] | 1,42 | 2,21 | 3,02 |
| Corrugation angle | A/B | A/B | A/B |
| Max. water flowrate [m ³ /h] | 240 (66.66L/S) | 240 (66.66L/S) | 240 (66.66L/S) |
| PS=> Max working pressure [bar] | 10 16 25 | 10 16 25 | 10 16 |

Ex art. 3.3 D.Lgs. 93 of 25/02/2000 in accordance with Directive 97/23/CE.
Announced pressions are referred to AISI 316L plates.

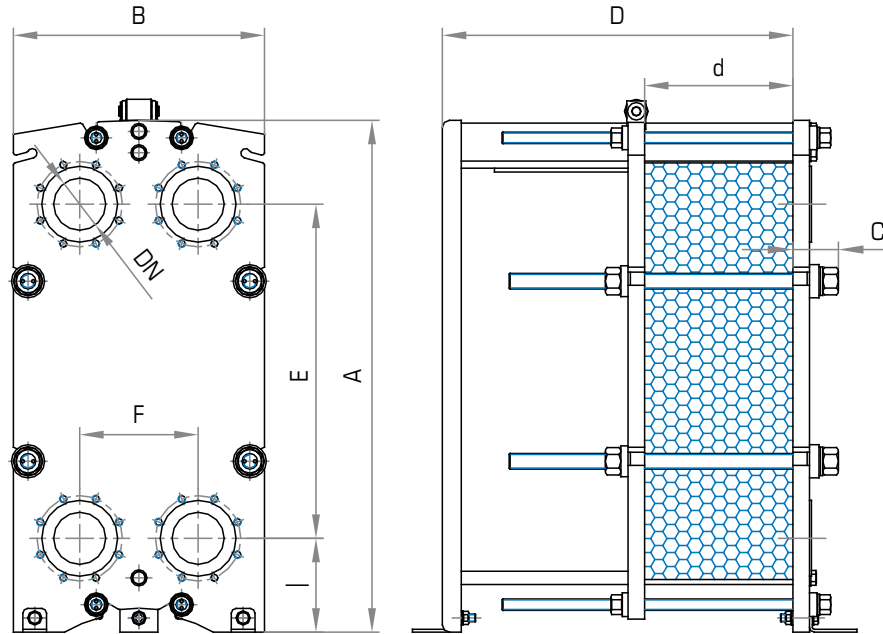


Plates are available in two thermal lengths (A/B)

| | | | | | |
|------|------|------|-------|-------|-------|
| DN32 | DN50 | DN65 | DN100 | DN150 | DN200 |
|------|------|------|-------|-------|-------|

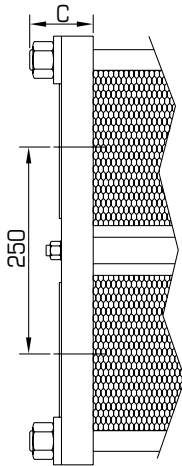
All data and drawings herewith described can be changed without prior notice and are not binding for the manufacturer

FRAMES DIMENSIONS



| | AEL300+ | | | | AEL450+ | | | | AEL700+ | | | |
|-----------------|----------------|------|------|------|----------------|------|------|------|-----------|------|------|------|
| A | 1080 | | | | 1525 | | | | 1970 | | | |
| B | 530 | | | | 530 | | | | 530 | | | |
| E | 705 | | | | 1150 | | | | 1595 | | | |
| F | 250 | | | | 250 | | | | 250 | | | |
| I | 198 | | | | 198 | | | | 198 | | | |
| Np max | 101 | 201 | 301 | 401 | 101 | 201 | 301 | 401 | 101 | 201 | 301 | 401 |
| D max | 740 | 1240 | 1740 | 2240 | 750 | 1250 | 1750 | 2250 | 750 | 1250 | 1750 | 2250 |
| d (A-A) | 3,1 x Np | | | | 3,1 x Np | | | | 3,1 x Np | | | |
| DN | DN100 4" | | | | DN100 4" | | | | DN100 4" | | | |
| A-A B-B C-C | PS10 PS16 PS25 | | | | PS10 PS16 PS25 | | | | PS10 PS16 | | | |
| E-E U-U V-V | C | | | | C | | | | C | | | |
| | 96 | 101 | 111 | | 96 | 101 | 111 | | 96 | 101 | | |
| A-A B-B C-C E-E | Cl | | | | Cl | | | | Cl | | | |
| | 4 | | | | 4 | | | | 4 | | | |
| U-U V-V | Cl | | | | Cl | | | | Cl | | | |
| | 0 | | | | 0 | | | | 0 | | | |

All dimensions are in mm - Np = number of plates



(Standard)

A-A

Studded ports
Rubber lining
EN 1092-1

B-B

Studded ports
AISI 316 lining
EN 1092-1

U-U

Studded ports
Unlined
EN 1092-1

C-C

Studded ports
Rubber lining
ANSI (metric
thread)

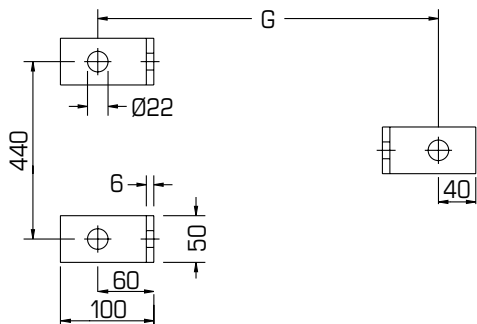
E-E

Studded ports
AISI 316 lining
ANSI (metric
thread)

V-V

Studded ports
Unlined ANSI
(metric thread)

NOTE: Check the connection on your design before assuming the standard connections will be used



| GxH | PS10 | PS16 | PS25 |
|----------------|------|------|------|
| AEL300+ | | | |
| Max 101p | 858 | 863 | 873 |
| Max 201p | 1358 | 1363 | 1373 |
| Max 301p | 1858 | 1863 | 1873 |
| Max 401p | 2358 | 2363 | 2373 |

| GxH | PS10 | PS16 | PS25 |
|--------------------------|------|------|------|
| AEL450+ / AEL700+ | | | |
| Max 101p | 861 | 866 | 876 |
| Max 201p | 1361 | 1366 | 1376 |
| Max 301p | 1861 | 1866 | 1876 |
| Max 401p | 2361 | 2366 | 2376 |

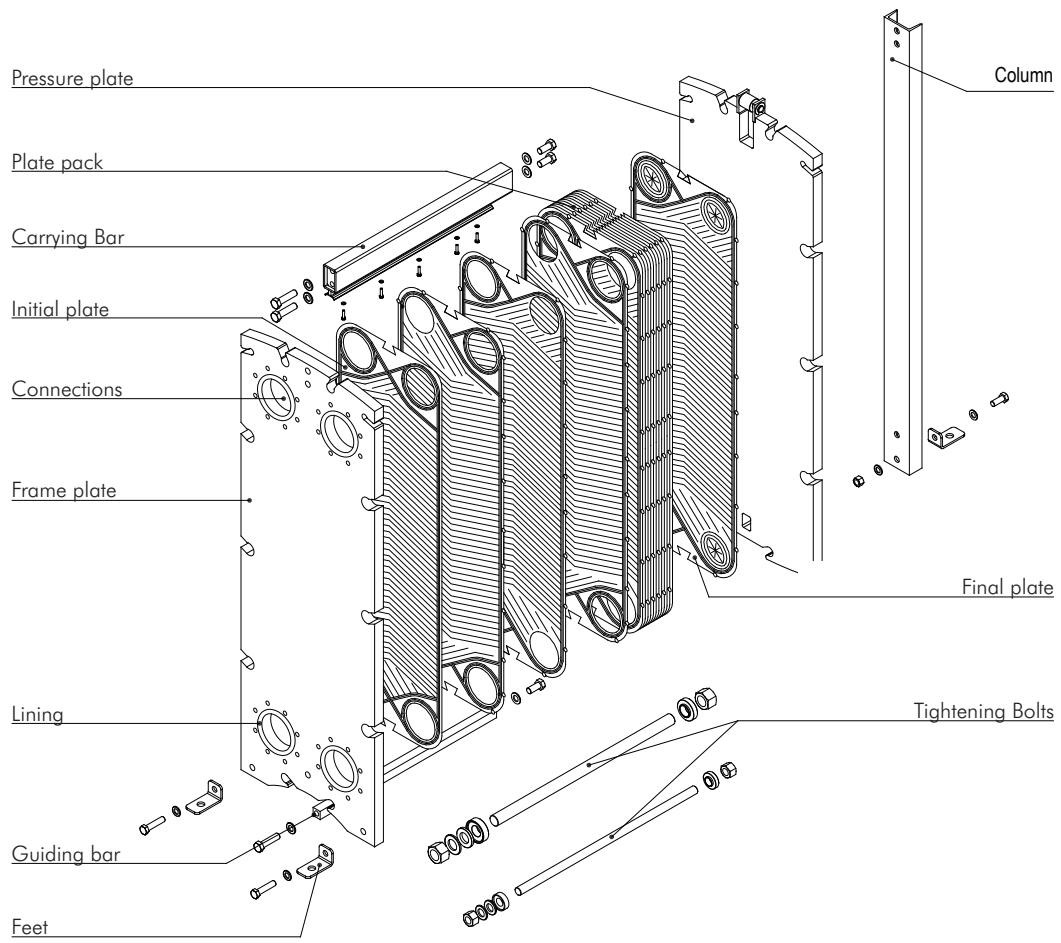
MATERIALS

| | | AEL300+ | AEL450+ | AEL700+ |
|--------------------|----------------------------|---------|---------|---------|
| Plates | AISI 304 | ● | ● | ● |
| | Standard AISI 316L | ● | ● | ● |
| | 254 SMO | ● | ● | ● |
| | Titanium | ● | ● | ● |
| Gaskets | NBR | ● | ● | ● |
| | Standard EPDM Prx. | ● | ● | ● |
| | FPM | ● | ● | ● |
| | HNBR | ● | ● | ● |
| Frames | Carbon steel | ● | ● | ● |
| | AISI 304, clad | ● | ● | ● |
| Connections | A-A B-B C-C E-E U-U V-V | ● | ● | ● |

| Gaskets material maximum temperatures | | |
|--|--------|--------|
| NBR | -20 °C | 110 °C |
| EPDM Prx. | -20 °C | 160 °C |
| FPM | -20 °C | 200 °C |
| HNBR | -20 °C | 160 °C |

The temperatures must be considered not applicable in all working conditions.

NOTE: Do not assume that the temperatures shown are suitable for all installations



CERTIFICATIONS & APPROVALS



- **ISO 9001**
Quality Management
- **PED**
Pressure Equipment Directive
Module B, D1 & D (up to Risk Cat. IV)



- **ACS**
Attestation de Conformité Sanitaire



- **WRAS**
EPDMprx gasket compound approved



- **OHSAS 18001**
Occupational Health and Safety



- **ISO 14001**
Environmental Management

MADE IN ITALY



All Fully Assembled in the UK



MANUFACTURED IN EUROPE FOR THE UK

AEL

HEATING

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Tel: 01928 579068 Fax: 01928 579523
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AEL reserve the right to alter designs and specifications without prior notice

European Standard EN442 was brought into force to define "heat measurement sampling" for hot water radiators in all European countries, a positive step forward to ensuring radiators tested and approved will provide the stated heat output required and also give a guarantee that the product will be fit for purpose. **EN442** provides a guarantee that the stated output of radiators from reputable manufacturers is correct and highlights and deters the use of poor quality untested radiators in European installations.

Plate Heat
Exchanger
Packages

Cast Iron
Radiators

High Output
Aluminium
Radiators

Tubular
Steel
Radiators

Designer
Bathroom
Radiators

Corgi
Approved
Engineers