

# NA and NC Gasketed Plate Heat Exchangers

## Application:

Within the EcoFlex® product group, the NA and NC Series gasketed plate heat exchangers are independently certified as part of the ARI400 certification program by the Air Conditioning, Heating and Refrigeration Institute (AHRI). These two series cover the entire range of temperature and pressure for HVAC applications, with a complete selection of plate, gasket and port connection options:

- The NA Series performs well for a broad range of media, flows and temperature.
- The NC Series is for use with clean, low viscosity media in high pressure applications, and where close temperature approach (1°F) is required.

## Benefits:

### Peace of Mind

- Performance is independently certified by AHRI to the ARI400 standard, ensuring that the heat exchanger performs as predicted.
- Optional independent certification to ASME U-Stamp.
- Over 75 years of experience in crafting high performance plate heat exchangers.

### Versatility

- The right design, not a “good enough” design. Flexible design plus sophisticated software equal the perfect selection for your needs.
- Compact footprint allows use in locations that you wouldn’t dream of with a shell-and-tube heat exchanger.

### Long Service Life

- Careful corrugation design provides the ideal balance of high turbulence and proper fluid distribution, reducing fouling and clogging.



# Technical Details:

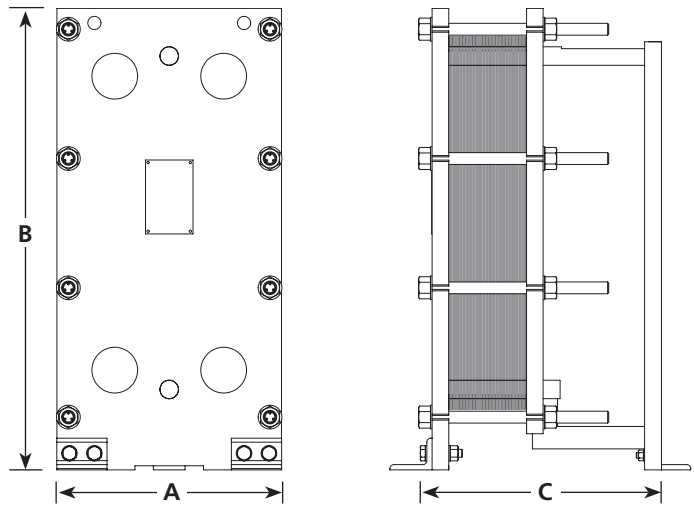
## Materials and Construction:

**Heat Transfer Plate:** 304 Stainless, 316L Stainless, and others on request.

**Gasket:** NBR, EPDM and others on request.

**Pressure Plate:** Carbon Steel as standard and others on request.

**Connections:** Unlined, Rubber Lined, Metal Lined, Welded Neck Flange and others on request.



## Performance:

### Design Pressure:

NA Series: Up to 300 psig (21 bar)

NC Series: Up to 360 psig (25 bar)

### Design Temperature:

NA Series: Up to 330°F (170°C)

NC Series: Up to 330°F (170°C)

### Approximate Maximum Liquid Flow Rate:

NA02: 220 gpm (50 m<sup>3</sup>/hour)

NA04: 830 gpm (190 m<sup>3</sup>/hour)

NA06: 1670 gpm (380 m<sup>3</sup>/hour)

NA10: 4270 gpm (970 m<sup>3</sup>/hour)

NA14: 8380 gpm (1900 m<sup>3</sup>/hour)

NC10: 4400 gpm (1000 m<sup>3</sup>/hour)

The specifications contained in this printing are intended only to serve the nonbinding description of our products and services are not subject to guarantee. Binding specifications, especially pertaining to performance data and suitability for specific operating purposes, are dependent upon the individual circumstances at the operation location and can, therefore, only be made in terms of precise requests. Ecoflex is a registered trademark of GEA Group.

| Model   | Connection Size      | Dim. A         | Dim. B          | Dim. C                    |
|---------|----------------------|----------------|-----------------|---------------------------|
| NA 02 T | 2" nominal (DN 50)   | 12.7" (323mm)  | 26.6" (675mm)   | 16.2-39.2" (411-995mm)    |
| NA 02 M |                      |                | 40.4" (1025mm)  | 16.2-39.2" (411-995mm)    |
| NA 02 X |                      |                | 54.9" (1395mm)  | 16.2-39.2" (411-995mm)    |
| NA 04 T | 4" nominal (DN 100)  | 21.3" (540mm)  | 44.9" (1140mm)  | 35.9-107.9" (912-2740mm)  |
| NA 04 M |                      |                | 60.9" (1546mm)  | 36.3-84.3" (922-2141mm)   |
| NA 04 X |                      |                | 76.9" (1952mm)  | 36.3-84.3" (922-2141mm)   |
| NA 06 S | 6" nominal (DN 150)  | 25.1" (638mm)  | 67.6" (1716mm)  | 36.3-108.3" (922-2750mm)  |
| NA 06 L |                      |                | 86.5" (2196mm)  | 36.3-108.3" (922-2750mm)  |
| NA 10 S | 10" nominal (DN 250) | 35.2" (895mm)  | 87.5" (2222mm)  | 47.8-107.8" (1213-2737mm) |
| NA 10 M |                      |                | 99.6" (2529mm)  | 47.6-107.6" (1210-2734mm) |
| NA 10 L |                      |                | 110.8" (2815mm) | 48-108" (1220-2744mm)     |
| NA 14 S | 14" nominal (DN 350) | 44.7" (1134mm) | 109.3" (2776mm) | 54.8-234.8" (1391-5963mm) |
| NA 14 M |                      |                | 122.5" (3113mm) | 54.8-234.8" (1391-5963mm) |
| NA 14 L |                      |                | 135.8" (3450mm) | 54.8-234.8" (1391-5963mm) |
| NC 10 L | 10" nominal (DN 250) | 35.2" (895mm)  | 110.8" (2815mm) | 48-108" (1220-2744mm)     |

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## GEA PHE Systems - Competence in Heat Transfer

With emphasis on the highest quality standards and constant innovations, GEA PHE Systems continues to expand its market position: Within the GEA Process Equipment Division, GEA Ecoflex together with GEA ViEX, GEA WTT, GEA Ecobraz, GEA PHE Systems NA, and GEA EcoServe forms GEA PHE Systems, the Center of Competence and Service Center for gasketed, fully welded, and brazed plate heat exchangers of GEA Group:

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