

ELGE TECHNOLOGIES

NA and NC Gasketed Plate Heat Exchangers

Application:

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

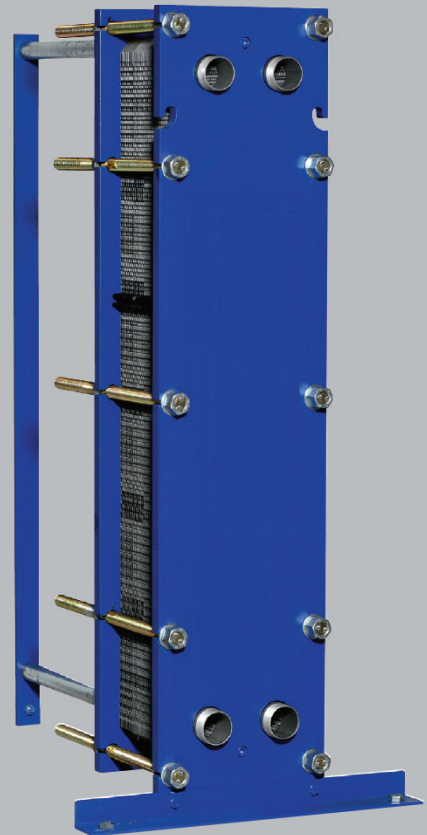
- Performance is independently certified by AHRI to the ARI400 standard, ensuring that the heat exchanger performs as predicted.
- Optional independent certification to ASME U-Stamp.
- Over 75 years of experience in crafting high performance plate heat exchangers.

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 m³/hour)

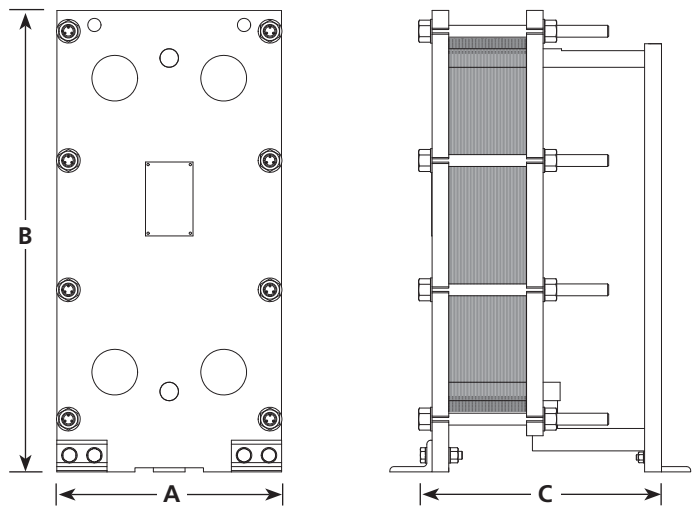
NA04: 830 gpm (190 m³/hour)

NA06: 1670 gpm (380 m³/hour)

NA10: 4270 gpm (970 m³/hour)

NA14: 8380 gpm (1900 m³/hour)

NC10: 4400 gpm (1000 m³/hour)



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)

Technical modification reserved. NAN/C-USE 08/06 - 01/09



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