

Kelvion



Sanitary Plate Heat Exchangers

NT25M SYCS FRAME



The NT plate is the most technologically advanced heat transfer plate with features for efficient processing of all products, including those with high viscosities and fouling tendencies.

EcoLoc™—Adhesive-free gasket attachment makes replacement a snap. A special design keeps gaskets in place even after several service cycles.

OptiWave™—Computer modeled heat transfer area design provides even flow distribution across the entire plate surface, maximizing heat transfer while minimizing fouling rates, plate count, and cost.

The NT25M SYCS is a solid stainless steel frame with 1" tri-clamp connections and 4 easy to handle tightening bolts. Three frame

lengths are available for a maximum heat transfer area of 75 ft². Optional grids make this a reliable choice for all pilot plant and low flow sanitary applications.

NT25M Sanitary Frame Features

- Meets 3-A Sanitary Standards
- Max design pressure 225 psig (15.5 barg)
- Max flow rate 50 gpm (11 m³/hour)
- Solid stainless steel with 150 grit blast finish
- 1" tri-clamp connections, 316 stainless steel
- #4 finish on all ports (for restream flexibility)
- Frame lengths for up to 150 plates available
- Grids available for multi-section designs
- ASME code stamp available

NT25M Sanitary Frame: Technical Data

MATERIALS AND CONSTRUCTION:

Frame Lengths: 3 standard lengths for a maximum of 150 plates

Individual Plate Weight: 0.34kg / 0.75lb

Mounting Feet: Bolt-on risers

Frame Plate Material: 304 solid stainless steel

Frame Surface: 150 grit bead blasted

Upper Hanging Beam: 304 stainless steel round bar

Lower Carrying Beam: 304 stainless steel round bar

Tightening Bolt Material: SA-193 B8 stainless steel with C464 Naval Brass Nut

Standard Connections: 1" tri-clamp, 316 stainless steel polished to #4 finish, other connections are available

Grid Connections: 1" tri-clamp, 316 stainless steel polished to #4 finish, other materials are available

Grid Thickness: 1.25" (32 mm) equals 9 flow plates (based on 0.6 mm flow plates)

Codes: Meets 3-A sanitary standard. ASME code stamp available

Port Height: Dimensions shown are for standard frame.

PERFORMANCE:

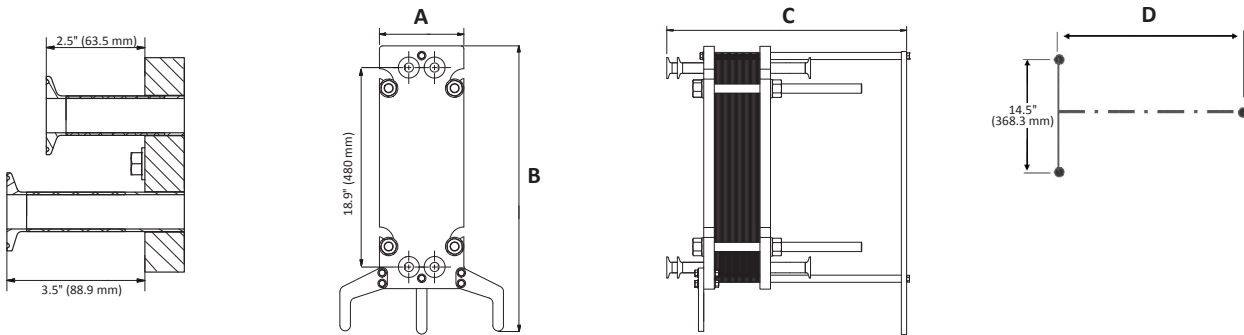
Maximum Standard Design Pressure: 225 psig (15.5 barg)

Maximum Standard Design Temperature: Depends on gasket selection

Maximum Standard Flow Rate: 50 gpm (11 m³/hour)

Heat Transfer Plate: 0.6mm, 316L Stainless Steel is standard, others are available on request

Gasket: FDA and 3-A compatible NBR, EPDM. Viton and others are available



							Standard Frame Dimensions inches (mm)			Frame Footprint
Model	Tightening Bolts	Max Plate Count	Max Plate Pack Dims	Net Weight (no plates)	Grid Width	Grid Weight	A (Width)	B (Height)	C (Length)	D (Length)
NT25 M	4	55	7.4" (188 mm)	151 lbs	1.25" (9 plates*)	40 lbs	8" (203 mm)	27" (686 mm)	Up to 23" (584 mm)	19.2" (488 mm)
		100	13.5" (343 mm)	156 lbs					Up to 31" (787 mm)	27.1" (688 mm)
		150	19.5" (495 mm)	160 lbs					Up to 39" (991 mm)	35.0" (889 mm)

*Data is based on 0.6 mm data flow plates

The specifications contained in this printing are intended only to serve the non-binding description of our products and services and 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.

About Kelvion:

Kelvion provides one of the most extensive product portfolios in the heat exchange market worldwide for a wide range of applications. Kelvion manufactures plate, shell and tube, air-cooled heat exchangers, air filter systems, synthetic fillings for numerous areas of application, wet cooling towers and dry cooling systems, as well as air-conditioning facilities. As a result, Kelvion provides reliable and comprehensive coverage of the entire spectrum for heat exchange.

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