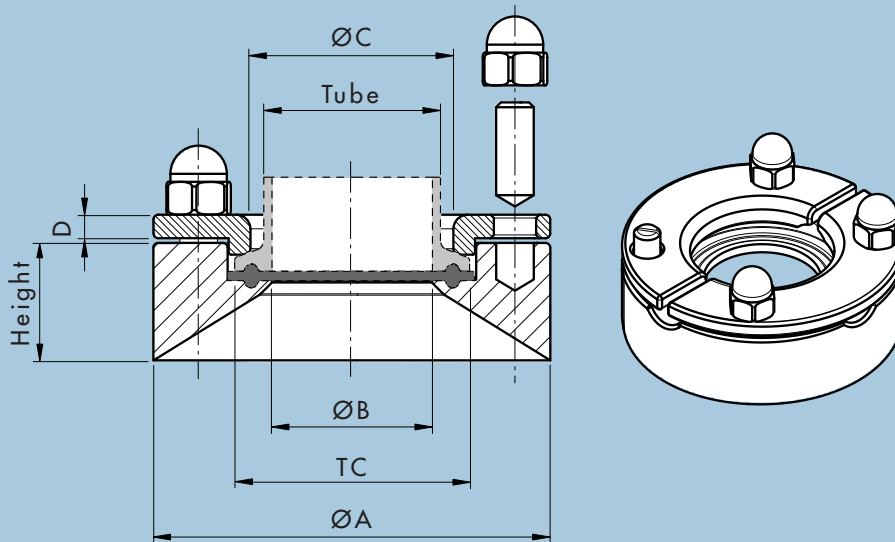


NovAseptic[®] Connector According to ASME,[®] Tube Standard ASTM[®] A270 (inch)

Catalogue Number NAC-USI###/Height

According to ASME,[®] Tube Standard ASTM[®] A270 (inch) Configuration



Nominal Dimensions in inch (mm)

NAC-USI###/	Height	Tube	TC	A	B	C	D	Acorn Nut Size	Stud Size
NAC-USI038/	25	1"	25	2.17 (55.1)	0.28 (7.1)	0.79 (20.1)	0.38 (9.7)	1/4"	1/4" x 7/8"
	38	1 1/2"							
	51	2"							
NAC-USI050/	25	1"	25	2.17 (55.1)	0.37 (9.4)	0.79 (20.1)	0.38 (9.7)	1/4"	1/4" x 7/8"
	38	1 1/2"							
	51	2"							
NAC-USI075/	25	1"	25	2.17 (55.1)	0.62 (15.7)	0.79 (20.1)	0.38 (9.7)	1/4"	1/4" x 7/8"
	38	1 1/2"							
	51	2"							
NAC-USI100/	25	1"	50.5	3.35 (85.1)	0.87 (22.1)	1.72 (43.7)	0.43 (10.9)	5/16"	5/16" x 1"
	38	1 1/2"							
	51	2"							
NAC-USI150/	25	1"	50.5	3.35 (85.1)	1.37 (34.8)	1.72 (43.7)	0.43 (10.9)	5/16"	5/16" x 1"
	38	1 1/2"							
	51	2"							
NAC-USI200/	25	1"	64	3.94 (100.1)	1.87 (47.5)	2.17 (55.1)	0.43 (10.9)	5/16"	5/16" x 1"
	38	1 1/2"							
	51	2"							
NAC-USI250/	25	1"	77.5	4.41 (112.0)	2.37 (60.2)	2.58 (65.5)	0.44 (11.2)	5/16"	5/16" x 1.18"
	38	1 1/2"							
	51	2"							
NAC-USI300/	25	1"	91	5.16 (131.1)	2.87 (72.9)	3.07 (78.0)	0.52 (13.2)	5/16"	5/16" x 1.18"
	38	1 1/2"							
	51	2"							
NAC-USI400/	25	1"	119	6.69 (170.0)	3.83 (97.3)	4.13 (104.9)	0.49 (12.4)	5/16"	5/16" x 1.18"
	38	1 1/2"							
	51	2"							

Specifications

Net Weight (approximate)

Connector	NAC-USI038/			NAC-USI050/			NAC-USI075/			NAC-USI100/			NAC-USI150/		
	25	38	51	25	38	51	25	38	51	25	38	51	25	38	51
Weight lb (kg)	1.1 (0.5)	1.3 (0.6)	1.8 (0.8)	1.1 (0.5)	1.3 (0.6)	1.8 (0.8)	1.1 (0.5)	1.3 (0.6)	1.5 (0.7)	2.43 (1.1)	3.09 (1.4)	3.75 (1.7)	2.20 (1.0)	2.87 (1.3)	3.31 (1.5)

Net Weight (approximate)

Connector	NAC-USI200/			NAC-USI250/			NAC-USI300/			NAC-USI400/		
	25	38	51	25	38	51	25	38	51	25	38	51
Weight lb (kg)	2.87 (1.3)	3.53 (1.6)	4.41 (2.0)	3.31 (1.5)	4.19 (1.9)	5.07 (2.3)	4.41 (2.0)	5.51 (2.5)	6.61 (3.0)	7.05 (3.2)	8.60 (3.9)	10.6 (4.8)

Material

	Welding Flange Stainless Steel in Compliance with	Locking Ring Stainless Steel in Compliance with	Bolt and Nut Stainless Steel in Compliance with	
Material Code	316L	316L	A193 Gr B8M	A194 Gr B8M
Technical Requirements	ASME® SA-479	ASME® SA-479		

Specifications

Surface Roughness:	Internal surface (manually polished) $Ra \leq 1.6\mu\text{m}$ (63 μin)
Design Temperature:	-80 to 200 °C (-112 to 392 °F)
Design Pressure:	-1 to 7 bar(g) (-14.5 to 101 psi(g))
Note!	The applied gasket (not included) may have different design temperature and/or pressure limits than the NovAseptic Connector. The weakest component in the assembled product determines the maximum design temperature and pressure limits.
Labeling:	Each NovAseptic Connector is labeled for full LOT traceability and heat No. according to Millipore QA routines.
Packaging:	All open ends on the NovAseptic Connector are protected with plastic covers on delivery. The NovAseptic Connector is pre-assembled and packaged in a closed box.
Quality Control:	Millipore Quality Assurance System guarantees the control and traceability at all stages of the manufacturing.
In Compliance With:	The NovAseptic Connector does comply for USA with the relevant requirements in ASME. The equipment has been calculated and evaluated of stress levels due to internal pressure in accordance with ASME VIII, Division 2, "Mandatory design based on stress analysis". The analysis has been calculated with assistance of FEM.
Options:	For non-standard NovAseptic Connector Options, please contact Millipore for further information.

To Place an Order or Receive Technical Assistance

For additional information call your nearest Millipore office or visit us at www.millipore.com.

In the U.S. and Canada, call toll-free 1-800-MILLIPORE (1-800-645-5476). In the U.S., Canada and Puerto Rico, fax orders to 1-800-MILLIFX (1-800-645-5439).

MILLIPORE

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Specifications subject to change without notice.

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