

Threaded Adapters

Permit reliable transitions to sanitary applications.

Easily transition from any threaded port to a sanitary flange connection. Myriad thread configurations, male and female, are available to meet a wide variety of norms (ANSI, ISO, BS, DIN). Non-metallic polypropylene and PVDF sanitary flanges conform to ISO 2852. National Pipe Threads are standard.



Threaded Adapters are available in: 1", 1.5", 2 sanitary flange by .125", .25", .375", .5", .625", .75", .875", 1", 1.5" and 2" threads.

Threaded Mini-Sanitary Flange Adapters are available in:
Mini sanitary flange by .125", .25", .375", .5", and .625" thread.

Threaded Adapters Features:

- Disposable
- Non-metallic
- Autoclave or irradiate to sterilize
- Constructed of polypropylene and PVDF that conforms to FDA and USP Class VI requirements
- Recommended working pressure, 150psi @ 70° F
- Custom configurations and materials available

Use the Threaded Adapters with:

- Bioprocess containers
- Bioreactors
- Fermentors
- Filling machines
- Filtration and purification systems
- Mixing containers and vessels
- Rigid piping systems
- Sampling ports

Threaded Adapters

Dimensional and Physical Properties

Part number	Configuration	A (Male/Female) Length	B Thread	C Sanitary Flange O.D.
(PP, PVDF)MINITC0125(MNPT/FNPT)	Mini TC x NPT	1.89" / 1.82"	1/8" NPT	.992"
(PP, PVDF)MINITC0250(MNPT/FNPT)	Mini TC x NPT	1.89" / 1.82"	1/4" NPT	.992"
(PP, PVDF)MINITC0375(MNPT/FNPT)	Mini TC x NPT	1.80" / 2.06"	3/8" NPT	.992"
(PP, PVDF)MINITC0500(MNPT/FNPT)	Mini TC x NPT	1.83" / 2.06"	1/2" NPT	.992"
(PP, PVDF)MINITC0750(MNPT/FNPT)	Mini TC x NPT	1.88" / 2.11"	3/4" NPT	.992"
(PP, PVDF)MINITC1000(MNPT/FNPT)	Mini TC x NPT	2.03" / 2.22"	1" NPT	.992"
(PP, PVDF)1000TC0125(MNPT/FNPT)	1" TC x NPT	2.00" / 1.79"	1/8" NPT	1.984"
(PP, PVDF)1000TC0250(MNPT/FNPT)	1" TC x NPT	1.99" / 1.90"	1/4" NPT	1.984"
(PP, PVDF)1000TC0375(MNPT/FNPT)	1" TC x NPT	1.88" / 1.91"	3/8" NPT	1.984"
(PP, PVDF)1000TC0500(MNPT/FNPT)	1" TC x NPT	1.99" / 1.92"	1/2" NPT	1.984"
(PP, PVDF)1000TC0750(MNPT/FNPT)	1" TC x NPT	1.73" / 1.96"	3/4" NPT	1.984"
(PP, PVDF)1000TC1000(MNPT/FNPT)	1" TC x NPT	1.89" / 2.14"	1" NPT	1.984"
(PP, PVDF)1500TC0125(MNPT/FNPT)	1.5" TC x NPT	2.15" / 2.07"	1/8" NPT	1.984"
(PP, PVDF)1500TC0250(MNPT/FNPT)	1.5" TC x NPT	2.15" / 2.07"	1/4" NPT	1.984"
(PP, PVDF)1500TC0375(MNPT/FNPT)	1.5" TC x NPT	2.00" / 2.20"	3/8" NPT	1.984"
(PP, PVDF)1500TC0500(MNPT/FNPT)	1.5" TC x NPT	2.05" / 2.20"	1/2" NPT	1.984"
(PP, PVDF)1500TC0750(MNPT/FNPT)	1.5" TC x NPT	2.00" / 2.11"	3/4" NPT	1.984"
(PP, PVDF)1500TC1000(MNPT/FNPT)	1.5" TC x NPT	2.17" / 2.02"	1" NPT	1.984"
(PP, PVDF)1500TC1500(MNPT/FNPT)	1.5" TC x NPT	2.22" / 2.30"	1.5" NPT	1.984"
(PP, PVDF)2000TC0125(MNPT/FNPT)	2" TC x NPT	1.77" / 1.73"	1/8" NPT	2.516"
(PP, PVDF)2000TC0250(MNPT/FNPT)	2" TC x NPT	1.97" / 1.98"	1/4" NPT	2.516"
(PP, PVDF)2000TC0375(MNPT/FNPT)	2" TC x NPT	1.98" / 1.98"	3/8" NPT	2.516"
(PP, PVDF)2000TC0500(MNPT/FNPT)	2" TC x NPT	2.16" / 2.25"	1/2" NPT	2.516"
(PP, PVDF)2000TC0750(MNPT/FNPT)	2" TC x NPT	2.29" / 2.55"	3/4" NPT	2.516"
(PP, PVDF)2000TC1000(MNPT/FNPT)	2" TC x NPT	2.46" / 2.86"	1" NPT	2.516"
(PP, PVDF)2000TC1500(MNPT/FNPT)	2" TC x NPT	2.53" / 2.90"	1.5" NPT	2.516"
(PP, PVDF)2000TC2000(MNPT/FNPT)	2" TC x NPT	2.56" / 3.36"	2" NPT	2.516"

Resin Data	Tensile Strength	Flexural Modulus	Hardness	Heat Deflection	Water Absorption	Maximum Recommended Working Temperature F°
Polypropylene used in threaded adapters	3900 psi (2 in/min) ASTM D 638	160000 psi ASTM D 790	80, R-scale, Rockwell D-785	87.8° F @ ASTM 66 psi	.01 % (24 hour duration)	180° F
PVDF used in the threaded adapters	5000 - 7000 psi ASTM D 638	240000-335000 psi ASTM D 790	76 - 80 Shore D ASTM D 2240	257 - 284° F 66 psi ASTM D 648	.01 - .03 % (24 hour duration)	240° F

Physical properties provided as general guidelines only. It is the end-users responsibility to ensure that the above mentioned products are compatible with the intended application and that the products are in compliance with all applicable regulatory requirements for use. User assumes all risk of usage.

For additional information please contact:



P.O. Box 126, Readington, New Jersey, USA
 Phone: +01-908-722-6948 Fax: +01-908-526-3256
www.bioconnex.com