

Multibarb Adapters

Non-Metallic Sanitary Tubing Adapters



Secure sanitary tubing attachments that are easy to use and quick to assemble are critical in numerous low-pressure laboratory, biotechnology and pharmaceutical applications. Sani-Tech West provides a full line of plastic sanitary fittings of all sizes in polypropylene and PVDF polymers; as well as custom materials like polysulfone.

Multibarb Sanitary Fittings have been engineered to provide a sanitary connection point for fluids transported through flexible tubing. Sani-Tech West supplies a broad line of flexible tubing formulations that are ideally suited for use in conjunction with these sanitary fittings — Contact us today for your specified sanitary applications.

BIOPHARMACEUTICAL PRODUCTS

Multibarb Sanitary Fittings are designed for use with flexible tubing in low-pressure sanitary applications.

Features/Benefits

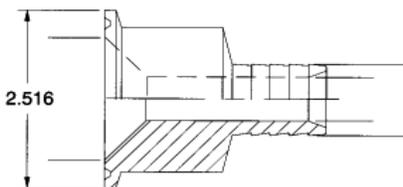
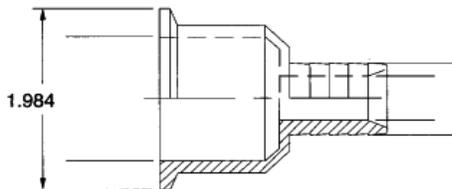
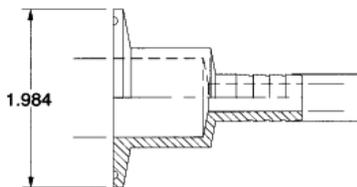
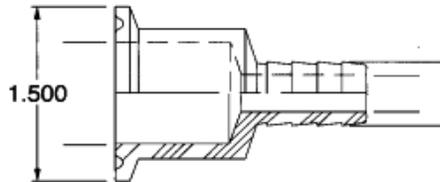
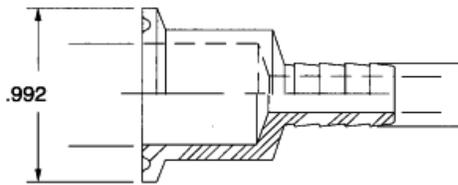
- **Smooth Inner Surface Limits Particle Entrapment**
- **Streamlined Fluid Path Improves Flow of Sensitive Fluids**
- **Multibarb Design Helps to Ensure Secure Tubing Connections**
- **One-Piece Construction Minimizes Risk of Leakage**
- **Available in two Polymer Materials, Polypropylene and PVDF**
- **Produced from Materials that Meet USP Class VI**

Typical Applications

- **Media Mixing Containers**
- **Bioreactors**
- **Fermentors**
- **Bioprocess Containers**
- **Filtration and Purification Systems**
- **Sample Ports**
- **Filling Machines**
- **Flexible Packaging Systems**

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MINI TRI-CLAMP x HOSEBARB

SIZE	PART #
MINI TC x 1/8" HB	(T,K)AD075-02H
MINI TC x 1/4" HB	(T,K)AD075-04H
MINI TC x 3/8" HB	(T,K)AD075-06H
MINI TC x 1/2" HB	(T,K)AD075-08H
MINI TC x 5/8" HB	(T,K)AD075-10H
MINI TC x 3/4" HB	(T,K)AD075-12H

MAXI TRI-CLAMP x HOSEBARB

SIZE	PART #
MAXI TC x 1/8" HB	(T,K)AD100-02H
MAXI TC x 1/4" HB	(T,K)AD100-04H
MAXI TC x 3/8" HB	(T,K)AD100-06H
MAXI TC x 1/2" HB	(T,K)AD100-08H
MAXI TC x 3/4" HB	(T,K)AD100-12H
MAXI TC x 1" HB	(T,K)AD100-16H

1" LADISH x HOSEBARB

SIZE	PART #
1" LADISH x 1/8" HB	(T,K)AD100L-02H
1" LADISH x 1/4" HB	(T,K)AD100L-04H
1" LADISH x 3/8" HB	(T,K)AD100L-06H
1" LADISH x 1/2" HB	(T,K)AD100L-08H
1" LADISH x 3/4" HB	(T,K)AD100L-12H
1" LADISH x 1" HB	(T,K)AD100L-16H

1-1/2" TRI-CLAMP x HOSEBARB

SIZE	PART #
1 1/2" TC x 1/8" HB	(T,K)AD150-02H
1 1/2" TC x 1/4" HB	(T,K)AD150-04H
1 1/2" TC x 3/8" HB	(T,K)AD150-06H
1 1/2" TC x 1/2" HB	(T,K)AD150-08H
1 1/2" TC x 3/4" HB	(T,K)AD150-12H
1 1/2" TC x 1" HB	(T,K)AD150-16H

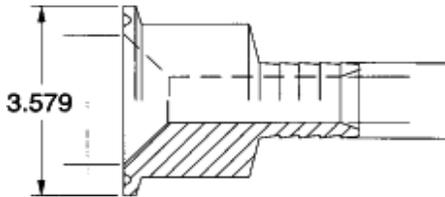
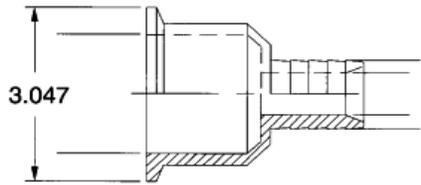
2" TRI-CLAMP x HOSEBARB

SIZE	PART #
2" TC x 1/4" HB	(T,K)AD200-04H
2" TC x 3/8" HB	(T,K)AD200-06H
2" TC x 1/2" HB	(T,K)AD200-08H
2" TC x 3/4" HB	(T,K)AD200-12H
2" TC x 1" HB	(T,K)AD200-16H
2" TC x 1-1/4" HB	(T,K)AD200-20H
2" TC x 1-1/2" HB	(T,K)AD200-24H
2" TC x 2" HB	(T,K)AD200-32H

T = Polypropylene K = PVDF

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2-1/2" TRI-CLAMP x HOSEBARB

SIZE	PART #
2 1/2" TC 3/8" HB	(T,K)AD250-06H
2 1/2" TC 1/2" HB	(T,K)AD250-08H
2 1/2" TC 3/4" HB	(T,K)AD250-12H
2 1/2" TC 1" HB	(T,K)AD250-16H
2 1/2" TC 1-1/4" HB	(T,K)AD250-20H
2 1/2" TC 1-1/2" HB	(T,K)AD250-24H
2 1/2" TC 2" HB	(T,K)AD250-32H
2 1/2" TC 2-1/2" HB	(T,K)AD250-40H

3" TRI-CLAMP x HOSEBARB

SIZE	PART #
3" TC x 1/2" HB	(T,K)AD300-08H
3" TC x 3/4" HB	(T,K)AD300-12H
3" TC x 1" HB	(T,K)AD300-16H
3" TC x 1-1/4" HB	(T,K)AD300-20H
3" TC x 1-1/2" HB	(T,K)AD300-24H
3" TC x 2" HB	(T,K)AD300-32H
3" TC x 2-1/2" HB	(T,K)AD300-40H
3" TC x 3" HB	(T,K)AD300-48H

T = Polypropylene K = PVDF

Typical Properties

	Polypropylene
Physical	
Density -Specific Gravity (ASTM D 792) (Method B)	0.900 sp gr 23/23°C
Melt flow rate (ASTM D 1238) (230°C/2.16kg)	4.00 g/10 min
Mechanical	
Tensile Strength @ Yield (ASTM D 638) (2 in/min) (50 mm/min)	4000 psi 28 MPa
Flexural Modulus (ASTM D 790) (0.05 in/min, 1% Secant, Procedure A) (1 mm/min, 1% Secant, Procedure A)	180000 psi 1240 MPa
Tensile Elongation @ Yld (ASTM D 638)	8.0 %
Impact	
Notched izod impact (ASTM D 256) (73 °F, Method A) (23 °C, Method A)	1.9 ft-lb/in 101 J/m
Hardness	
Rockwell R (ASTM D 785)	82
Shore D	72
Thermal	
DTUL @66psi - Unannealed (ASTM D 648)	91 °C
Melting Temperature °F (°C)	340°F (171°C)
Heat Deflection °F (°C) @66 psi °F (°C) @264 psi	185°F (84°C) 135°F (57°C)
Autoclavable	Yes to 240° F (115°C)
Approvals	FDA 21 CFR 177.1520, USP VI, USDA, 3A

Contact Sani-Tech West for information regarding PVDF.