

APFOS STAINLESS STEEL OVERBRAIDED PTFE HOSE

WHITE PTFE CORE; SMOOTH OR CONVOLUTED I.D.

tainless steel overbraided PTFE hose is constructed of virgin material with a 300 series stainless steel wire braid reinforcement jacket. The fluoropolymer core is inert and offers long flexural life, low permeability, non-flammability, and the lowest coefficient of friction of any solid material. The stainless steel overbraid permits higher pressure uses, reduces the possibility of kinking, and generally protects the core. **Optional silicone jacketing** offers protection from high temperatures during handling and keeps the outer surface clean and smooth.



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Key Features

- True Bore PTFE Smooth Core offers maximum flow; Convoluted Core offers excellent flow with enhanced flexibility
- Stock sizes for True Bore Smooth Core: 1/4 in. through 1-1/2 in.; Convoluted Core: 1/2 in. through 3 in.
- Hose liner meets FDA 21 CFR 177.1550, ISO 10993 Sections 5, 6, 10 and 11 and is made from USP Class VI compliant material
- General temperature range: -100°F (-73.3°C) to 450°F (232.2°C)
- Excellent chemical compatibility
- Resists moisture
- Easily cleaned or sterilized by autoclave, steam, or detergent
- Optional silicone jacketing makes stainless steel reinforced hose easier to handle by offering heat protection
- Silicone jacketing also provides a smooth outer surface to eliminate particle entrapment for sanitary conditions
- Full line of crimp fittings and custom assemblies offered
- Custom lengths, sizes, other overbraiding materials, special cleaning, and/or packaging is available
- Add stainless steel armor casing or cuffs for an extra layer of protection from crushing, kinking, harsh environments, and abrasion while still allowing flexibility
- Laser-etched stainless steel collars for hose identification available





APFOS STAINLESS STEEL OVERBRAIDED PTFE HOSE

WHITE PTFE CORE; SMOOTH OR CONVOLUTED I.D.

SPECIFICATIONS

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Nominal Number Nominal LD. (m.) Nominal (mm) Working (m.) Burst Pressure at 72'F (22'C) (PSI) Burst Bend (Bar) Minimum Radius (in.) Weight Bend (in.) APFOS-W WHITE PTFE CORE, SMOOTH I.D., 304 STAINLESS STEEL REINFORCEMENT Juntable APFOS-W-0250* 250 6.35 .370 9.4 3,000 207.0 12,000 828.0 3.0 76.2 .08 APFOS-W-0250* .250 6.35 .370 9.4 3,000 207.0 12,000 828.0 3.0 76.2 .08 APFOS-W-0375* .375 9.53 .510 13.0 2,000 138.0 8,000 52.0 5.0 127.0 .11 APFOS-W-0750* .500 12.70 .680 22.4 1,000 69.0 4,000 276.0 8.5 215.9 .20 APFOS-W-0750* 750 19.05 .880 22.4 1,000 69.0 4,000 276.0 18.0 .31.0 .79 *Limited stock availability – lead times and minimums may apply; call for details. Apouble Braided <td< th=""><th>GIFIGATI</th><th></th><th>9</th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th></td<>	GIFIGATI		9									
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(PSI) (Bar) (PSI) (Bar) (in.) (mm) (lbs.) APFOS-W WHITE PTFE CORE, SMOOTH I.D., 304 STAINLESS STEEL REINFORCEMENT Image: Constraint of the state												*
APFOS-W WHITE PTFE CORE, SMOOTH I.D., 304 STAINLESS STEEL REINFORCEMENT APFOS-W-0250* 250 6.35 370 9.4 3,000 207.0 12,000 828.0 3.0 76.2 .08 APFOS-W-0375* .375 9.53 .510 13.0 2,000 138.0 8,000 552.0 5.0 127.0 .11 APFOS-W-0375* .375 9.53 .510 13.0 2,000 138.0 8,000 552.0 5.0 127.0 .11 APFOS-W-0500* .500 12.70 .630 16.0 1,750 120.7 7,000 483.0 6.5 165.1 .16 APFOS-W-0500* 1.500 38.10 1.730 43.9 900 62.1 3,600 248.4 18.0 381.0 .79 *Limited stock availability – lead times and minimums may apply; call for details. Nominal IDD. Nominal O.D. (mm) Working Pressure at 72TF (22°C) (PSI) (Bar) Minimum Bend Radius (in.) (mm) APFOS-WC WHITE PTFE CORE, CONVOLUTED I.D., 316 STAINLESS STEEL REINFORCEMENT APFOS-WC WHITE PTFE CORE, CONVOLUTED I.D., 316 STAINLESS STEEL REINFORCEMENT APFOS-WC 0500* .500 12.70 .720 18.3 1,500 103.5 6,000 414.0 1.50 38.1 .16 APFOS-WC-0500* .500 12.70 .720 18.3 1,500 103.5 6,000 414.0 1.50 38.1 .16 APFOS-WC-0500* .500 12.70 .720 18.3 1,500 103.5 6,000 414.0 1.50 38.1 .16 APFOS-WC-0500* .500 12.70 .720 18.3 1,500 103.5 6,000 414.0 1.50 38.1 .16 APFOS-WC-050	Number	(III.)	(mm)	(III.)	(mm)				· · · ·			
WHITE PTFE CORE, SMOOTH I.D., 304 STAINLESS STEEL REINFORCEMENT Image: Constraint of the state of the						(101)	(2002)	(101)	(2001)	(1111)	()	(1000)
WHITE PTFE CORE, SMOOTH I.D., 304 STAINLESS STEEL REINFORCEMENT Image: Constraint of the state of the								ЛП				
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APFOS-W-0250* .250 6.35 .370 9.4 3,000 207.0 12,000 828.0 3.0 76.2 .08 APFOS-W-0375* .375 9.53 .510 13.0 2,000 138.0 8,000 552.0 5.0 127.0 .11 APFOS-W-0500* .500 12.70 .630 16.0 1,750 120.7 7,000 483.0 6.5 165.1 .16 APFOS-W-0500* .750 19.05 .880 22.4 1,000 69.0 4,000 276.0 8.5 215.9 .20 APFOS-W-1500P* 1.000 25.40 1.130 28.7 1,000 69.0 4,000 276.0 12.0 304.8 .33 APFOS-W-1500DP* 1.500 38.10 1.730 43.9 900 62.1 3,600 248.4 18.0 381.0 .79 *Limited stock availability – lead times and minimums may apply; call for details. Aptication (in.) (mm) Radius (in.) (mm) Radius (in.) (mm) Bend Radius (in.) Radius (in.) (in.) (mm) Keight (ib.) Aptica								WYYY	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			
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APFOS-W-0500* .500 12.70 .630 16.0 1,750 120.7 7,000 483.0 6.5 165.1 .16 APFOS-W-0750* .750 19.05 .880 22.4 1,000 69.0 4,000 276.0 8.5 215.9 .20 APFOS-W-1000* 1.000 25.40 1.130 28.7 1,000 69.0 4,000 276.0 12.0 304.8 .33 APFOS-W-1000* 1.500 38.10 1.730 43.9 900 62.1 3,600 248.4 18.0 381.0 .79 *Limited stock availability – lead times and minimums may apply; call for details.	APFOS-W-0250*	.250	6.35	.370	9.4	3,000	207.0	12,000	828.0	3.0	76.2	.08
APFOS-W-0750* .750 19.05 .880 22.4 1,000 69.0 4,000 276.0 8.5 215.9 .20 APFOS-W-1000* 1.000 25.40 1.130 28.7 1,000 69.0 4,000 276.0 12.0 304.8 .33 APFOS-W-1500D8* 1.500 38.10 1.730 43.9 900 62.1 3,600 248.4 18.0 381.0 .79 *Limited stock availability – lead times and minimums may apply; all for details. Nominal Nominal Working Pressure at 72°F (22°C) Minimum Bend at 72°F (22°C)	APFOS-W-0375*	.375	9.53	.510	13.0	2,000	138.0	8,000	552.0	5.0	127.0	.11
APFOS-W-1000* 1.000 25.40 1.130 28.7 1,000 69.0 4,000 276.0 12.0 304.8 .33 APFOS-W-1500DB* 1.500 38.10 1.730 43.9 900 62.1 3,600 248.4 18.0 381.0 .79 *Limited stock availability – lead times and minimums may apply; call for details. A Minimum Weight Product I.D. Nominal Nominal Working Burst Minimum Weight Number (in.) (mm) (mm) (mm) (mm) Ressure Ar2°F (22°C) Minimum Meadus Nominal Pressure Ar2°F (22°C) Radius Minimum Weight APFOS-WC (in.) (mm) (mm) (mm) Ratio Rat	APFOS-W-0500*	.500	12.70	.630	16.0	1,750	120.7	7,000	483.0	6.5	165.1	.16
APFOS-W-1500DB*^ 1.500 38.10 1.730 43.9 900 62.1 3,600 248.4 18.0 381.0 .79 *Limited stock availability – lead times and minimums may apply; call for details. and the tails. Minimum Bend .79 Product Number Nominal LD. (in.) Nominal (in.) Nominal O.D. (in.) Working Pressure at 72°F (22°C) (PSI) Burst Pressure at 72°F (22°C) (PSI) Minimum Bend suise (in.) Weight per Foot (lbs.) APFOS-WC WHITE PTFE CORE, CONVOLUTED I.D., 316 I.D., 316 1.3.1 1.500 103.5 6,000 414.0 1.50 38.1 .16 APFOS-WC-0500* .500 12.70 .720 18.3 1,500 103.5 6,000 414.0 1.50 38.1 .16 APFOS-WC-0500* .500 12.70 .720 18.3 1,500 103.5 6,000 414.0 1.50 38.1 .16 APFOS-WC-0500* .500 12.70 .720 18.3 1,500 103.5 6,000 414.0 1.50 38.1 .16 APFOS-WC-0500* .500 12.70 .720 18.3	APFOS-W-0750*	.750	19.05	.880	22.4	1,000	69.0	4,000	276.0	8.5	215.9	.20
Limited stock availability – lead times and minimums may apply; call for details. Product Number Number Nominal I.D. (in.) (mm) Nominal O.D. (in.) (mm) Nominal O.D. (in.) (mm) Nominal O.D. (in.) (mm) Nominal O.D. (in.) (mm) Pressure at 72°F (22°C) (PSI) (Bar) Pressure at 72°F (22°C) (PSI) (Bar) (in.) (mm) Nominal Bend Radius (in.) (mm) Neight Per Sure Apros-WC-0500 .500 12.70 .720 18.3 1,500 103.5 6,000 414.0 1.50 38.1 .16 APFOS-WC-0500* .500 12.70 .720 18.3 1,500 103.5 6,000 414.0 1.50 38.1 .16 APFOS-WC-0500* .750 19.05 1.020 25.9 1,200 82.8 4,800 331.2 2.00 50.8 .27 APFOS-WC-1000* 1 25.40 1.310 33.3 1,000 68.9 4,000 276.0 2.50 63.5 .37 APFOS-WC-1500* 1.500 38.10 1.930 49.0 650 44.8 2,600 179.4 3.75 95.2 .54 APFOS-WC-2000* 2 50.80 2.420 61.5 450 31.0 1,800 124.2 4.75 120.6 .90	APFOS-W-1000*	1.000	25.40	1.130	28.7	1,000	69.0	4,000	276.0	12.0	304.8	.33
Nowinal Nominal Nominal O.D. Nominal O.D. Working Pressure at 72°F (22°C) Burst Pressure at 72°F (22°C) Minimum Bend Radius (in.) Weight Per Foot (lbs.) APFOS-WC (in.) (inm) (in.) (inm) I.D., (inm) (inm) I.D., (inm) I.D.	APFOS-W-1500DB*^	1.500	38.10	1.730	43.9	900	62.1	3,600	248.4	18.0	381.0	.79
ADouble Braided Nominal I.D. (in.) Nominal O.D. (in.) Nominal O.D. (in.) Working Pressure at 72°F (22°C) (PSI) Burst (Bar) Minimum Bend (Bar) Weight Radius (in.) APFOS-WC WHITE PTFE CORE, CONVOLUTED 316 STAINLESS STEEL REINFORCEMENT I.D. (SOURCE (PSI) (Bar) I.D. (Bar) Minimum (Bar) Weight Bend (Bar) Weight Bend (Bar) Bend (Bar) Bend (Bar) Bend (Bar) Bend (Bar) Burst (Bar) Bend (Bar)	*Limited stock av	ailabili	tv _ lead	times a	nd minin	nume m		call for	details			
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Product Number I.D. (in.) O.D. (mm) Pressure at 72°F (22°C) (PSI) Pressure (Bar) Pressure at 72°F (22°C) (PSI) Bend Barl per Foot (bs.) APFOS-WC V <td< td=""><td></td><td>Nom</td><td>inal</td><td>Non</td><td>ninal</td><td>Woi</td><td>king</td><td>Bu</td><td>rst</td><td>Minii</td><td>num</td><td>Weight</td></td<>		Nom	inal	Non	ninal	Woi	king	Bu	rst	Minii	num	Weight
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APFOS-WC Convoluted I.D., 316 Stainless Steel Reinforcement 103.5 APFOS-WC-0500* .500 12.70 .720 18.3 1,500 103.5 6,000 414.0 1.50 38.1 .16 APFOS-WC-0750* .750 19.05 1.020 25.9 1,200 82.8 4,800 331.2 2.00 50.80 2.74 APFOS-WC-1000* 1 25.40 1.310 33.3 1,000 48.9 4,000 276.0 2.50 6,000 179.4 3.75 95.2 54 APFOS-WC-2000* 2 50.80 2.420 61.5 450 31.0 1,800 12.2 4.75	Number	(in.)	(mm)	(in.)	(mm)		· · · · ·					
WHITE PTFE CORE, CONVOLUTED I.D., 316 STAINLESS STEEL REINFORCEMENT Image: Convoluted of the conversion of the convers						(PSI)	(Bar)	(PSI)	(Bar)	(in.)	(mm)	(lbs.)
WHITE PTFE CORE, CONVOLUTED I.D., 316 STAINLESS STEEL REINFORCEMENT Image: Convoluted of the conversion of the convers												
316 STAINLESS STEEL REINFORCEMENT APFOS-WC-0500* .500 12.70 .720 18.3 1,500 103.5 6,000 414.0 1.50 38.1 .16 APFOS-WC-0750* .750 19.05 1.020 25.9 1,200 82.8 4,800 331.2 2.00 50.8 .27 APFOS-WC-1000* 1 25.40 1.310 33.3 1,000 68.9 4,000 276.0 2.50 63.5 .37 APFOS-WC-1500* 1.500 38.10 1.930 49.0 650 44.8 2,600 179.4 3.75 95.2 .54 APFOS-WC-2000* 2 50.80 2.420 61.5 450 31.0 1,800 124.2 4.75 120.6 .90	APFOS-W	С						<u>A</u>	~~~~~~	ITT	\sim	
316 STAINLESS STEEL REINFORCEMENT APFOS-WC-0500* .500 12.70 .720 18.3 1,500 103.5 6,000 414.0 1.50 38.1 .16 APFOS-WC-0750* .750 19.05 1.020 25.9 1,200 82.8 4,800 331.2 2.00 50.8 .27 APFOS-WC-1000* 1 25.40 1.310 33.3 1,000 68.9 4,000 276.0 2.50 63.5 .37 APFOS-WC-1500* 1.500 38.10 1.930 49.0 650 44.8 2,600 179.4 3.75 95.2 .54 APFOS-WC-2000* 2 50.80 2.420 61.5 450 31.0 1,800 124.2 4.75 120.6 .90	WHITE DTE	E C	ODE C		ТТТТТ	ID			///////////////////////////////////////		()))	
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APFOS-WC-0750*.75019.051.02025.91,20082.84,800331.22.0050.8.27APFOS-WC-1000*125.401.31033.31,00068.94,000276.02.5063.5.37APFOS-WC-1500*1.50038.101.93049.065044.82,600179.43.7595.2.54APFOS-WC-2000*250.802.42061.545031.01,800124.24.75120.6.90	310 STAINLI	ess d'	LEEL P	(EINF	ORCEM	IENT					S	
APFOS-WC-0750*.75019.051.02025.91,20082.84,800331.22.0050.8.27APFOS-WC-1000*125.401.31033.31,00068.94,000276.02.5063.5.37APFOS-WC-1500*1.50038.101.93049.065044.82,600179.43.7595.2.54APFOS-WC-2000*250.802.42061.545031.01,800124.24.75120.6.90										1 50	00.1	
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APFOS-WC-1500* 1.500 38.10 1.930 49.0 650 44.8 2,600 179.4 3.75 95.2 .54 APFOS-WC-2000* 2 50.80 2.420 61.5 450 31.0 1,800 124.2 4.75 120.6 .90												
APFOS-WC-2000* 2 50.80 2.420 61.5 450 31.0 1,800 124.2 4.75 120.6 .90	APFOS-WC-0750*	.750	19.05	1.020	25.9	1,200	82.8	4,800	331.2	2.00	50.8	.27
	APFOS-WC-0750* APFOS-WC-1000*	.750 1	19.05 25.40	1.020 1.310	25.9 33.3	1,200 1,000	82.8 68.9	4,800 4,000	331.2 276.0	2.00 2.50	50.8 63.5	.27 .37
	APFOS-WC-0750* APFOS-WC-1000* APFOS-WC-1500*	.750 1 1.500	19.05 25.40 38.10	1.020 1.310 1.930	25.9 33.3 49.0	1,200 1,000 650	82.8 68.9 44.8	4,800 4,000 2,600	331.2 276.0 179.4	2.00 2.50 3.75	50.8 63.5 95.2	.27 .37 .54
	APFOS-WC-0750* APFOS-WC-1000* APFOS-WC-1500* APFOS-WC-2000*	.750 1 1.500 2	19.05 25.40 38.10 50.80	1.020 1.310 1.930 2.420	25.9 33.3 49.0 61.5	1,200 1,000 650 450	82.8 68.9 44.8 31.0	4,800 4,000 2,600 1,800	331.2 276.0 179.4 124.2	2.00 2.50 3.75 4.75	50.8 63.5 95.2 120.6	.27 .37 .54 .90

*Limited stock availability – lead times and minimums may apply; call for details. †Heavy Wall

NOTE: When products are used as part of an assembly, the pressure ratings of fittings may be less than hose pressure ratings above. Please consult your sales representative.



Product Number	I.D. (in.) (mm)		Nominal O.D. (in.) (mm)		Working Pressure at 72°F (22°C)		Burst Pressure at 72°F (22°C)		B	mum end dius
Indiliber	(111.)	(11111)	(111.)	(11111)	(PSI)	(Bar)	(PSI)	(Bar)	(in.)	(mn
APFOSJ-W Silicone Ja			HTE D	TFF (ODE					
SILICONE JA SMOOTH I.D					OKE,					
REINFORCEM	-	SIAIN	LESS D	IEEL						
NEINFORCE	IENI									
APFOSJ-W-0250*	.250	6.35	.540	13.72	2,530	174.4	10,150	699.8	3.0	75.0
APFOSJ-W-0375*	.375	9.53	.674	17.12	1,950	134.4	7,830	539.8	5.0	127.
APFOSJ-W-0500*		12.70	.804	20.42	1,740	119.9	6,960	479.8	6.0	152.
APFOSJ-W-0750*		19.05	1.060	26.92	1,300	89.6	5,220	359.9	8.0	203.
APFOSJ-W-1000*	1.000	25.40	1.341	34.06	940	64.8	3,770	259.9	12.0	304.
*Limited stock ave Tolerances: ± 1%				minimum	ıs may al	oply; call f	or details	5.		
BLACK CONDUCTIVE			-	request						
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NomProductI.INumber(in.)				.D.	Working Pressure at 72°F (22°C) (PSI) (Bar)		Burst Pressure at 72°F (22°C) (PSI) (Bar)		B	mum end dius (mn
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APFOSJ-W	C					(a)		Warn		
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CONVOLUTE		, 310 3	TAINL	ESS ST	EEL	A A	manne	and l		
REINFORCEM	IENT									
	500	10 70	000	00 (0	1 (00	110.0	( 000	400.0	0.0	50.4
APFOSJ-WC-0500*		12.70	.930	23.62	1,600	110.3	6,380	439.8	2.0	50.8
APFOSJ-WC-0750*	.750	19.05	1.225	31.12	1,000	68.9	4,060	279.9	3.0	76.2
APFOSJ-WC-1000*	1 500	25.40	1.485	37.72	725	49.9	2,900	199.9	4.0	101.
APFOSJ-WC-1500*	1.500	38.10	2.036	51.71	600	41.3	2,320	159.9	6.0	152.
*Limited stock ave				minimum	ns may aj	oply; call f	or details	s.		
Tolerances: ± 1%			-							
Black Conductive	core av	ailable b	y special	request.						

NOTE: When products are used as part of an assembly, the pressure ratings of fittings may be less than hose pressure ratings above. Please consult your sales representative.



**PURITY IN FLUID FLOW SYSTEMS®** 

Phone: 215-526-2151 Toll Free Phone: 888-755-4370 www.advantapure.com





# Molded Single-Use Manifold Assemblies

AdvantaPure specializes in the design and manufacture of molded Single-Use manifold assemblies for sampling and storage applications. These assemblies are available in platinum-cured silicone or AdvantaFlex[®] biopharmaceutical grade TPE.

Learn more at www.advantapure.com/single-use-molded-manifolds.htm

### APST UNREINFORCED SILICONE TUBING

Low-volatile grade, platinum-cured silicone tubing is clean-room produced for critical pharmaceutical, biomedical, cosmetic, and food applications. APST has undergone extensive physical, chemical, and biological testing and meets USP Class VI, FDA, ISO, and EP standards.

Learn more at www.advantapure.com/apst-silicone-tubing.htm









AdvantaFlex addresses the need for a flexible, sterilizable, moldable, weldable and heat sealable biopharmaceutical tubing without silicone oils. AdvantaFlex maintains its physical properties following sterilization processes, remains translucent for visible product flow and does not become gummy. The tubing resists kinking and is an excellent component for Single-Use systems.

Learn more at www.advantapure.com/advantaflex.htm

## Purity in Fluid Flow Systems®



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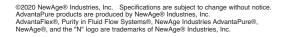
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