

AdvantaPure™ APFOS

STAINLESS STEEL OVERBRAIDED PTFE HOSE

PRODUCT DATASHEET



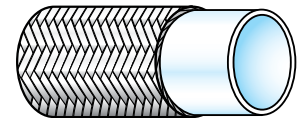
The **AdvantaPure™ APFOS** hose is constructed of a PTFE liner with a 300 series stainless steel wire braid reinforcement jacket. The fluoropolymer core is inert and offers long flexural life, low permeability, non-flammability, and the lowest coefficient of friction of any solid material. The stainless 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.

KEY FEATURES & BENEFITS

- PTFE smooth core offers maximum flow; convoluted core offers excellent flow with enhanced flexibility
- Stock sizes for smooth core: 1/4 in. through 1-1/2 in.; convoluted core: 1/2 in. through 2 in.
- Hose liner meets 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
- Full line of crimp fittings and custom assemblies offered
- 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
- AdvantaLabel with the silicone jacketed material is available

PRODUCT SPECIFICATIONS

APFOS-W: WHITE PTFE CORE, SMOOTH I.D., 304 STAINLESS STEEL REINFORCEMENT



Catalog Number	I.D.		Nominal O.D.		Working Pressure at 72°F (22°C)		Burst Pressure at 72°F (22°C)		Minimum Bend Radius at 72°F (22°C)		Weight Per Foot
	in	mm	in	mm	PSI	Bar	PSI	Bar	in	mm	
APFOS-W-0250*	0.250	6.35	0.370	9.4	3,000	207.0	12,000	828.0	3.0	76.2	0.08
APFOS-W-0375*	0.375	9.53	0.510	13.0	2,000	138.0	8,000	552.0	5.0	127.0	0.11
APFOS-W-0500*	0.500	12.70	0.630	16.0	1,750	120.7	7,000	483.0	6.5	165.1	0.16
APFOS-W-0750*	0.750	19.05	0.880	22.4	1,000	69.0	4,000	276.0	8.5	215.9	0.20
APFOS-W-1000*	1.000	25.40	1.130	28.7	1,000	69.0	4,000	276.0	12.0	304.8	0.33
APFOS-W-1500DB* [^]	1.500	38.10	1.730	43.9	900	62.1	3,600	248.4	18.0	381.0	0.79

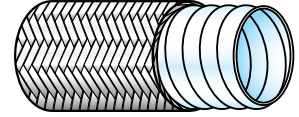
* Limited stock available – lead times and minimums may apply; call for details.

[^] Double-Braided

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 SPECIFICATIONS

APFOS-WC WHITE PTFE CORE, CONVULATED I.D., 316 STAINLESS STEEL REINFORCEMENT

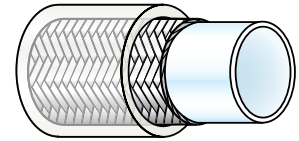


Catalog Number	I.D.		Nominal O.D.		Working Pressure at 72°F (22°C)		Burst Pressure at 72°F (22°C)		Minimum Bend Radius at 72°F (22°C)		Weight Per Foot
	in	mm	in	mm	PSI	Bar	PSI	Bar	in	mm	
APFOS-WC-0500*	0.500	12.70	0.720	18.3	1,500	103.5	6,000	414.0	1.50	38.1	0.16
APFOS-WC-0750*	0.750	19.05	1.020	25.9	1,200	82.8	4,800	331.2	2.00	50.8	0.27
APFOS-WC-1000*	1	25.40	1.310	33.3	1,000	68.9	4,000	276.0	2.50	63.5	0.37
APFOS-WC-1500*	1.500	38.10	1.930	49.0	650	44.8	2,600	179.4	3.75	95.2	0.54
APFOS-WC-2000*	2	50.80	2.420	61.5	450	31.0	1,800	124.2	4.75	120.6	0.90

*Limited stock available – lead times and minimums may apply; call for details.

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.

APFOSJ-W: SILICONE JACKETED, WHITE PTFE CORE, SMOOTH I.D., 304 STAINLESS STEEL REINFORCEMENT



Catalog Number	I.D.		Nominal O.D.		Working Pressure at 72°F (22°C)		Burst Pressure at 72°F (22°C)		Minimum Bend Radius at 72°F (22°C)	
	in	mm	in	mm	PSI	Bar	PSI	Bar	in	mm
APFOSJ-W-0250*	0.250	6.35	0.540	13.72	2,530	174.4	10,150	699.8	3.0	75.0
APFOSJ-W-0375*	0.375	9.53	0.674	17.12	1,950	134.4	7,830	539.8	5.0	127.0
APFOSJ-W-0500*	0.500	12.70	0.804	20.42	1,740	119.9	6,960	479.8	6.0	152.0
APFOSJ-W-0750*	0.750	19.05	1.060	26.92	1,300	89.6	5,220	359.9	8.0	203.0
APFOSJ-W-1000*	1.000	25.40	1.341	34.06	940	64.8	3,770	259.9	12.0	304.8

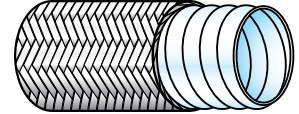
*Limited stock availability – lead times and minimums may apply; call for details.

Tolerances: ± 1% on bulk hose lengths

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 SPECIFICATIONS

APFOSJ-WC: SILICONE JACKETED, WHITE PTFE CORE, CONVOLUTED I.D., 316 STAINLESS STEEL REINFORCEMENT



Catalog Number	I.D.		Nominal O.D.		Working Pressure at 72°F (22°C)		Burst Pressure at 72°F (22°C)		Minimum Bend Radius at 72°F (22°C)	
	in	mm	in	mm	PSI	Bar	PSI	Bar	in	mm
APFOSJ-WC-0500*	0.500	12.70	0.930	23.62	1,600	110.3	6,380	439.8	2.0	50.8
APFOSJ-WC-0750*	0.750	19.05	1.225	31.12	1,000	68.9	4,060	279.9	3.0	76.2
APFOSJ-WC-1000*	1.000	25.40	1.485	37.72	725	49.9	2,900	199.9	4.0	101.6
APFOSJ-WC-1500*	1.500	38.10	2.036	51.71	600	41.3	2,320	159.9	6.0	152.4

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

Tolerances: ± 1% on bulk hose lengths

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.



145 James Way · Southampton, Pennsylvania 18966 USA
 364 Valley Road · Warrington, Pennsylvania 18976 USA
 Data 7 · 7741 MG Coevorden, Netherlands
 888-755-4370 · 215-526-2300

To learn more about AdvantaPure and what solutions we offer visit:

AdvantaPure.com

The AdvantaPure line of fluid transfer systems for the biopharma and pharmaceutical market are a line of the NewAge Industries family of products and services.

WARRANTY: Products of NewAge Industries, Inc.™ the parent company of the AdvantaPure™ division are warranted to be free from defects in material and workmanship. Any product found to carry such defects will be replaced without charge. This warranty is limited only to the replacement of AdvantaPure products, item for item, which after examination by AdvantaPure are deemed defective. The AdvantaPure division specifically disclaims any other liability. The data supplied is provided as a helpful guideline and is believed to be reliable; however, nothing stated shall constitute a guarantee, recommendation, or warranty for any application.

© Copyright 2026. All Rights Reserved