



Low volatile grade, platinum-cured silicone hose for critical pharmaceutical, biopharm, cosmetic, and food applications comprises the liner of AdvantaSil APSW. The liner is slipped onto a mandrel and wrapped with polyester mesh fabric, 302/304 stainless steel reinforcing wire and additional silicone. It is then cured into a homogeneous hose, enhancing its pressure and vacuum capabilities. AdvantaSil APSW has undergone extensive physical, chemical and biological testing and meets USP Class VI, FDA CFR 177.2600, ISO 10993 and European Pharmacopoeia 3.1.9 standards.



SILICONE

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### KEY FEATURES

- Available with a smooth O.D. or, for easier bending, convuluted O.D.
- Spiral wrapped for higher working pressures, an improved range of flexibility, and availability in sizes up to 4" I.D.
- Low volatile grade silicone suitable for pharmaceutical, biopharm, cosmetic, and food applications such as ultrapure water transfer, food processing, washdown stations, skid systems, and other suction and discharge uses
- Hardness value of 70 Shore A
- Rated for full vacuum
- Crush and kink resistant; durable and heavy-duty
- Liner certified free of animal-derived ingredients
- General temperature range: -100°F (-73.3°C) to 350°F (176.6°C)
- Resists temperature extremes, chemical attack, ozone, radiation, moisture and environmental exposure
- Sterilizable by autoclave, CIP and SIP processes
- Documented lot traceable with identification on packaging
- Documented quality control per ISO 9001:2015



Liner

***Complete validation package available on request***

# AdvantaSil® APSW 4-Ply, Wire-Reinforced, Mandrel-Wrapped, Silicone Suction Hose

## SPECIFICATIONS

Product Number	Nominal I.D.		O.D.		Vacuum Rating (in./Hg.)	Working Pressure at 70°F (21.1°C)		Burst Pressure at 70°F (21.1°C)		Minimum Bend Radius (in.)	Weight per Foot / Meter		Standard Length (ft.)
	(in.)	(mm)	(in.)	(mm)		(reference)	(PSI)	(Bar)	(PSI)		(Bar)	(lb)	
<b>APSW-SP — SMOOTH O.D., SPIRAL WRAPPED</b>													
APSW-SP-0500	.500	12.70	.910	23.11	>29	380	26.2	1520	104.8	1.25	.281	.418	12
APSW-SP-0750	.750	19.05	1.16	29.46	>29	315	21.7	1260	86.9	1.75	.359	.534	12
APSW-SP-1000	1.000	25.40	1.41	35.81	>29	250	17.2	1000	68.9	3.0	.438	.652	12
APSW-SP-1500	1.500	38.10	1.91	48.51	>29	250	17.2	1000	68.9	4.0	.685	1.019	12
APSW-SP-2000	2.000	50.80	2.41	61.21	>29	205	14.1	820	56.5	6.0	.875	1.302	12
APSW-SP-2500	2.500	63.50	2.91	73.91	>29	185	12.8	740	51.0	10.5	1.050	1.562	12
APSW-SP-3000	3.000	76.20	3.41	86.61	>29	190	13.1	760	52.4	CF	1.230	1.830	12
APSW-SP-4000	4.000	101.60	4.41	112.01	>29	140	9.7	560	38.6	CF	1.710	2.545	12
<b>APSW-SPC — CONVOLUTED O.D., SPIRAL WRAPPED</b>													
APSW-SPC-0500	.500	12.70	.950	24.13	>29	400	27.6	1600	110.3	1.0	.281	.418	12
APSW-SPC-0750	.750	19.05	1.20	30.48	>29	338	23.3	1350	93.1	1.5	.359	.534	12
APSW-SPC-1000	1.000	25.40	1.45	36.83	>29	288	19.9	1150	79.3	2.5	.438	.652	12
APSW-SPC-1500	1.500	38.10	1.95	49.53	>29	250	17.2	1000	68.9	3.0	.685	1.019	12
APSW-SPC-2000	2.000	50.80	2.45	62.23	>29	205	14.1	820	56.5	5.5	.875	1.302	12

Nominal wall dimensions for all sizes of APSW-SP are .205" or 5.21mm; for APSW-SPC: .225" or 5.72mm. Custom lengths and hose assemblies with an assortment of fittings are available. CF = Consult Factory

**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.

SILICONE

## Purity in Fluid Flow Systems®

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**AdvantaPure®**  
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