

4 Ply Hose

4 Ply Wire-Reinforced & Mandrel-Wrapped Silicone Platinum Hose FDA USP-VI

APSW

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.

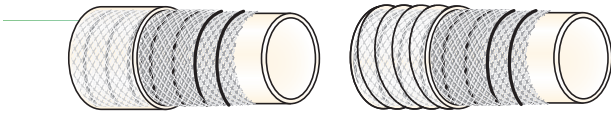
AdvantaSil APSW hose is not intended for implantation and is not to be used for continuous steam applications.



KEY FEATURES

- Available with a smooth O.D. or, for easier bending, convoluted O.D.
- Two construction styles offered: spiral wrapped for higher working pressures, an improved range of flexibility and availability in larger sizes, or standard linear wrapped (limited stock availability)
- Low volatile grade silicone suitable for pharmaceutical, biopharm, cosmetic, and food applications such as ultrapure water transfer, food processing, wash down 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
- Linear wrapped style is listed by the National Sanitation Foundation for food equipment materials (NSF-51)
- 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





SPECIFICATIONS

APSW-SP-Smoother

Product Number	I.D. Ins. diameter		O.D. Outs. diameter		Vacuum (PSI)	Working Pres. at 70°F (21.1°C)		Burst Pres. at 70°F (21.1°C)		Minimum Bend Radius (in.)	Appr. Weight		Standard Length (ft)
	(in.)	(mm.)	(in.)	(mm.)		(PSI)	(Bar)	(PSI)	(Bar)		(lb)	(Kg)	
APSW-SP-0500	0.500	12.70	0.910	23.11	>29	380	26.2	1520	104.8	1.25	0.281	0.418	12
APSW-SP-0750	0.750	19.05	1.16	29.46	>29	315	21.7	1260	86.9	1.75	0.359	0.534	12
APSW-SP-1000	1.000	25.40	1.41	35.81	>29	250	17.2	1000	68.9	3.00	0.438	0.652	12
APSW-SP-1500	1.500	38.10	1.91	48.51	>29	250	17.2	1000	68.9	4.00	0.685	1.019	12
APSW-SP-2000	2.000	50.80	2.41	61.21	>29	205	14.1	820	56.5	6.00	0.875	1.302	12
APSW-SP-2500	2.500	63.50	2.91	73.91	>29	185	12.8	740	51.0	10.50	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

APSW-SPC-CONVULUTED O.D., SPIRALWRAPPED

Product Number	I.D. Ins. diameter		O.D. Outs. diameter		Vacuum (PSI)	Working Pres. at 70°F (21.1°C)		Burst Pres. at 70°F (21.1°C)		Minimum Bend Radius (in.)	Appr. Weight		Standard Length (ft)
	(in.)	(mm.)	(in.)	(mm.)		(PSI)	(Bar)	(PSI)	(Bar)		(lb)	(Kg)	
APSW-SPC-0500	0.500	12.70	0.950	24.13	>29	400	27.6	1600	110.3	1.00	0.281	0.418	12
APSW-SPC-0750	0.750	19.05	1.200	30.48	>29	338	23.3	1350	93.1	1.50	0.359	0.534	12
APSW-SPC-1000	1.000	25.40	1.450	36.83	>29	288	19.9	1150	79.3	2.50	0.438	0.652	12
APSW-SPC-1500	1.500	38.10	1.950	49.53	>29	250	17.2	1000	68.9	3.00	0.685	1.019	12
APSW-SPC-2000	2.000	50.80	2.450	62.23	>29	205	14.1	820	56.5	5.50	0.875	1.302	12

Wire-Reinforced, Mandrel-Wrapped 4 Plies Fabric with SS Helical

IPSW

IPSW is platinum cured silicone hose reinforced with SS 316L helical wire and 4 Plies Mandrel Wrapped Fabric Reinforced Hose. IPSW has multiple layers of high quality polyester fabric to enhance burst pressure rating. The hose is suitable for high pressurized fluid transfer application in Biotech, Pharma, Food & Cosmetics processes.

APPLICATIONS

- Pharmaceutical Processing
- Food Processing
- Load Cell Application
- CIP, WFI Transfer Application
- Bulk Powder Transfer
- Fermentations and Bioreactors
- High Pressurized Steam
- Transfer Application

SPECIFICATIONS

- Toxikon-based E&L studies available on the inner liner
- NSF-51 certification on resin liner
- Conforms to the US FDA 21 CFR 177.2600 Food Grade Standard
- Conforms to USP Class VI
- Conforms to ISO 10993-1
- RoHS, free of phthalate / Bisphenol / Volatile Plasticizer, TSE/ BSE Certification
- Animal Origin Certification (free of animal-derived material)
- USFDA DMF accreditation #26201
- Complete validation package available upon request

KEY FEATURES

- Having high pressure rating ensures safe material transfer handling process
- Designed for high vacuum rating applications
- Excellent flexibility & kink resistance
- Imparts no taste and odor
- Lot traceable
- Temp Range: -55° C to 220° C
- Available with SS316 L Tri-clover end
- Serializable by Autoclave, Ethyleneoxide gas & gamma Radiation



Product Number	I.D. Ins. diameter		O.D. Outs. diameter		Vacuum		Working Pres. at 70°F (21.1°C)		Burst Pres. at 70°F (21.1°C)		Bending Radius	
	(in.)	(mm.)	(in.)	(mm.)	(PSI)	(Bar)	(PSI)	(Bar)	(PSI)	(Bar)	(in.)	(mm.)
IPSW-P-0250	0.24	6	0.50	13	15	1.0	268	18.5	551	38	2.36	60
IPSW-P-0340	0.35	9	0.63	16	15	1.0	261	18.0	551	38	2.76	70
IPSW-P-0500	0.47	12	0.79	20	15	1.0	232	16.0	493	34	3.15	80
IPSW-P-0625	0.63	16	1.00	24	15	1.0	203	14.0	493	34	3.54	90
IPSW-P-0750	0.75	19	1.06	27	15	1.0	189	13.0	493	34	3.94	100
IPSW-P-1000	1.0	25	1.38	35	15	1.0	152	10.5	469	32	4.72	120
IPSW-P-1250	1.26	32	1.65	42	10	0.67	145	10.0	469	32	7.09	180
IPSW-P-1500	1.50	37	1.85	47	7.7	0.53	138	9.5	435	30	8.66	220
IPSW-P-2000	2.0	50	2.44	62	5.8	0.40	116	8.0	348	24	11.80	300
IPSW-P-2500	2.50	64	3.00	76	C/P	C/P	94	6.5	261	18	13.78	350
IPSW-P-3000	3.0	75	3.42	87	C/P	C/P	73	5.0	218	15	C/P	C/P
IPSW-P-4000	4.0	100	4.41	112	C/P	C/P	73	5.0	218	15	C/P	C/P