

# SEALING SYSTEMS

*Silvac*<sup>®</sup>

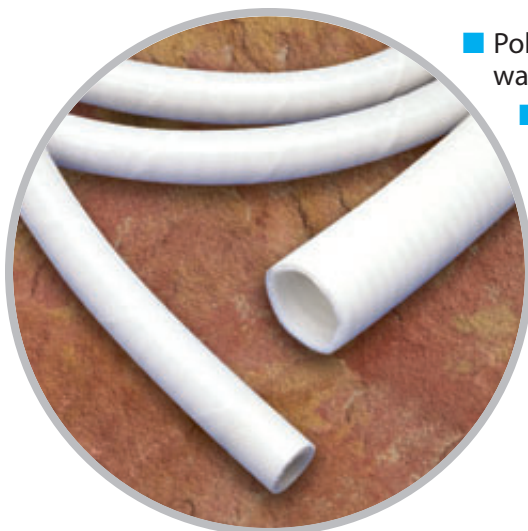
Polyester & Wire Reinforced Silicone Suction Hose



Fluid Transfer Specialists<sup>®</sup>

[www.sealingsystems.gr](http://www.sealingsystems.gr)

## Polyester & Wire Reinforced Platinum Cured Silicone Suction Hose



- Polyester woven fabric and spiral 316 stainless steel wire reinforcement in walls of silicone elastomer
- Offers full vacuum capability at high temperatures (29.9 in./Hg.)
- Able to resist extreme temperature variation: -80°F to 350°F
- Odorless, tasteless, and inert
- All ingredients are non-toxic and FDA-sanctioned (CFR 177.2600) for use in food contact surfaces
- Crush and kink resistant yet flexible
- Manufactured in a controlled environment on dedicated equipment



Made in U.S.A.

### Notes

SILVAC offers the excellent temperature resistance of silicone in a vacuum-rated hose (29.9 in./Hg at 70°F). The hose construction allows strong vacuum at elevated temperatures; sample testing is recommended.

The construction consists of mandrel-wrapped layers of polyester-reinforced silicone elastomer incorporated around a spiral-wound stainless steel reinforcing wire, making SILVAC crush and kink resistant yet flexible.

SILVAC is a platinum-cured hose, thus reducing extractables.

SILVAC is not recommended for implantable or in-body uses or for continuous steam applications.

SILVAC may be low pressure steam sterilized in-line or autoclaved up to 250°F in a normal autoclaving cycle. Its smooth core facilitates easy cleaning and system purging. However, if exposed to repeated steam sterilization or long-term high temperature or pressure, silicone will eventually relax and become gummy. It should then be replaced.

Care is recommended in the selection and application of fittings and clamps as sharp barbed fittings or unlined metal clamps could tear into the hose wall and possibly cause a failure.

Each length of SILVAC is individually packaged in a heat-sealed polybag and should be sterilized prior to use.

PART NO.	ID (IN.)	OD (IN.)	WORKING PSI AT 70°F	BURST PSI AT 70°F*	LBS. PER 100 FT.
293 0081	1/2	.92	150	600	29
293 0158	3/4	1.17	150	600	38
293 0235	1	1.42	150	600	50
293 0389	1-1/2	1.92	150	600	70
293 0543	2	2.42	125	500	91

Sold by standard length only (12 ft). Add length suffix to part number when ordering.

Example: 12 ft. of 1/2" I.D. Silvac is part number 293 0081-12.

\*The burst pressure can be expected to decrease by at least 20% for each 200°F increase up to 350°F.

**BOLD** indicates the critical dimension for fittings application.

### Recommended Fittings & Clamps

- Cam operated couplings
- Thermobarb® barbed fittings
- Oetiker® ear type clamps
- Kwik Clamp™ nylon double bond hose clamps
- Worm gear clamps

### Physical Properties\*\*

	CORE	COVER
Hardness, Shore A ±5	70	70
Tensile Strength, psi	1200	1150
Elongation at Break, %	350	425
Brittle Temperature, °F	-80	-80
Max. Continuous Op. Temp., °F	350	350

\*\*Values listed are typical for the material used in manufacture, except where noted, and are meant only as a guide to aid in design. Field testing should be performed to find the actual values for your application.