

# Silvac®

Polyester & Wire Reinforced Silicone Suction Hose



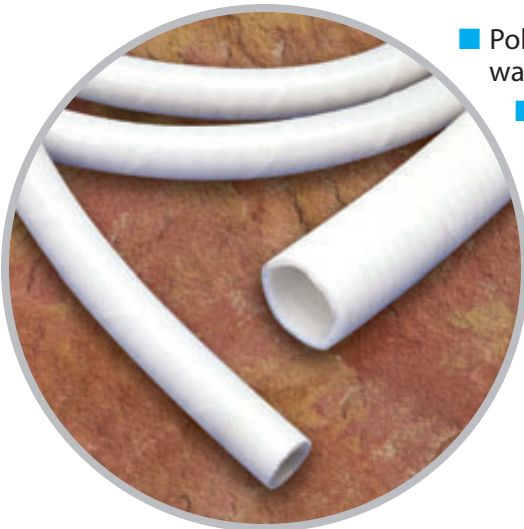
Celebrating  
**55**  
Years  
of Service  
1954-2009

**ESOP** Employee Owned  
for Your Benefit

**NEWAGE**  
**INDUSTRIES**

Fluid Transfer Specialists®

## 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.)	WALL (IN.)	WORKING PSI AT 70°F	BURST PSI AT 70°F*	LBS. PER 100 FT.
293 0081	1/2	.920	.220	150	600	29
293 0158	3/4	1.170	.220	150	600	38
293 0235	1	1.420	.220	150	600	50
293 0389	1-1/2	1.920	.220	150	600	70
293 0543	2	2.420	.220	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

### Custom Services

- **Color**
- **Heat-Form**
- **And More**

Call for more information:

**800-506-3924 or  
215-526-2300**

### 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.

Silvac, Kwik Clamp, Thermobarb, NewAge, "Fluid Transfer Specialists," and The "N" Logo are trademarks of NewAge® Industries, Inc. • Oetiker reg. TM Oetiker, Inc.

WARRANTY: NewAge Industries' products 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 NewAge Industries' products, item for item, which after examination by NewAge Industries are deemed defective. NewAge Industries 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.

NOTICE: NewAge Industries, Inc. has been a privately owned corporation since 1954. Neither the corporation nor its principals are affiliated, in any way, with any other group or entity either representing themselves as or being referred to by the term NewAge.

© NewAge Industries, Inc. 2009 Specifications are subject to change without notice.

7/21/09

**DISTRIBUTOR PARTNER**



145 James Way  
Southampton, PA 18966  
www.newageindustries.com

**800-50-NEWAGE  
(800-506-3924)  
215-526-2300**

Fax: 800-837-1856  
215-526-2190

info@newageindustries.com