

# Versilon™ SPD Hose

## Single-Ply Polyester Braid Reinforced Silicone Hose

### Ultra Flexible Construction

Versilon SPD single-ply polyester braid reinforced, platinum-cured silicone hose is an ultra flexible hose used in demanding applications where small bend radius is required. This construction features an improved bend radius compared to non-reinforced hoses. SPD is a pressure rated hose. However, it is not recommended for vacuum applications.

SPD hose resists temperature extremes, ozone, corona, radiation, moisture, compression sets, weathering and chemical attack. SPD hose imparts no taste or odors to fluids being transferred, is totally sterilizable and withstands repeated autoclaving.

### Ideal for Sanitary Applications

Suitable for cosmetics, personal care, food and beverage and a number of other sanitary applications, SPD hose is manufactured from the finest grade of silicone materials and is tested to meet USP Class VI criteria, 3-A standards and is compliant with FDA 21CFR 177.2600.

### Features and Benefits

- High pressure rating
- Ultra flexible, with improved bend radius compared to non-reinforced hose
- Suitable for Clean-In-Place (CIP) and Steam-In-Place (SIP)
- Totally sterilizable and autoclavable
- Imparts no taste or odor
- Versatile applications

### Typical Applications

- Cosmetics
- Personal care
- Cleaning chemicals
- Food and beverage
- Dairy
- Instrumentation

### Regulatory Compliance

- Compliant with FDA 21CFR 177.2600
- 3-A Sanitary Standard 62-02
- US Pharmacopeia Class VI

## SPD Hose Specifications

Part Number	Inside Diameter		Outside Diameter		Maximum Working Pressure		Minimum Bend Radius		Vacuum Hg		Weight	
	(in)	(mm)	(in)	(mm)	(psi)	(MPa)	(in)	(mm)	(in)	(mm)	(lb/ft)	(kg/m)
SPD025-HP	1/4	6.4	16/32	12.7	155	1.07	1.50	38.1	-	-	0.10	0.15
SPD037-HP	3/8	9.5	21/32	16.7	125	0.86	2.00	50.8	-	-	0.14	0.21
SPD050-HP	1/2	12.7	27/32	21.4	105	0.72	2.50	63.5	-	-	0.19	0.28
SPD062-HP	5/8	15.9	30/32	23.8	90	0.62	3.00	76.2	-	-	0.25	0.37
SPD075-HP	3/4	19.1	1-4/32	28.6	65	0.45	3.50	88.9	-	-	0.30	0.45
SPD100-HP	1	25.4	1-12/32	34.9	55	0.38	5.00	127.0	-	-	0.40	0.60
SPD150-HP	1-1/2	38.1	1-27/32	46.8	45	0.31	6.00	152.4	-	-	0.58	0.86

NOTE: Weights and outside diameter dimensions are nominal. Data given is for hose only. End fitting vs. hose pressure limitations must be considered and the lower of the two ratings must be used on assemblies. Pressure ratings are shown at ambient temperature (68°F). As temperature increases, working pressure and vacuum ratings will decrease. Contact factory for recommendations for assembly applications that exceed 250°F.

## Construction

Inner Tube:	Platinum-cured silicone			
Cover:	Silicone			
Reinforcement:	Single-ply polyester braid			
Color:	Translucent white with blue lettering			
Temperature Rating:	-80°F to +350°F -62°C to +177°C			
Maximum Length:	1/4" 3/8" 1/2" 5/8"	50' 100' 100' 100'	3/4" 1" 1-1/2"	100' 50' 50'

## Fitting Options

### Versilon ReSeal® Reusable Fittings

- Available in 5 standard end styles (Other end styles available)
- Stems are manufactured from grade 316L stainless steel with an average interior surface finish as low as 15Ra (Electropolished and polymer stems available)
- Hose sleeves are available in either high impact polymer or stainless steel

### Versilon Crimp Style Fittings

- Over 40 styles of stocked crimp-style fittings in a wide range of materials
- Standard: 316L stainless steel (wetted surfaces)

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Saint-Gobain Performance Plastics  
210 Harmony Road  
Mickleton, NJ 08056  
1-800-435-3992

www.processsystems.saint-gobain.com



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