

# Versilon™ FPW Hose

## Four-Ply Polyester Braid and Wire Reinforced Silicone Hose

### Higher Pressure Rating and Flexibility

Versilon FPW is a four-ply polyester braid, stainless steel helix wire reinforced, platinum-cured silicone hose with an excellent bend radius for demanding applications where higher pressures and full vacuum ratings are a consideration.

FPW hose resists temperature extremes, ozone, corona, radiation, moisture, compression sets, weathering and chemical attack. FPW 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, FPW 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

- Higher pressure rating
- Excellent bend radius
- Suitable for Clean-In-Place (CIP) and Steam-In-Place (SIP)
- Totally sterilizable and autoclavable
- Imparts no taste or odor
- Unsurpassed surface smoothness
- 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

## FPW 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)
FPW050-HP	1/2	12.7	29/32	23.0	200	1.38	2.50	63.5	29	736.6	0.28	0.42
FPW075-HP	3/4	19.1	1-5/32	29.4	200	1.38	3.50	88.9	29	736.6	0.30	0.45
FPW100-HP	1	25.4	1-13/32	35.7	200	1.38	5.00	127.0	29	736.6	0.44	0.65
FPW150-HP	1-1/2	38.1	1-29/32	48.4	200	1.38	8.00	203.2	29	736.6	0.58	0.86
FPW200-HP	2	50.8	2-13/32	61.1	175	1.21	11.00	279.4	29	736.6	0.88	1.31
FPW250-HP	2-1/2	63.5	2-29/32	73.8	175	1.21	13.00	330.2	29	736.6	1.10	1.64
FPW300-HP	3	76.2	3-14/32	87.3	125	0.86	17.00	431.8	29	736.6	1.57	2.34

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.

**Minimum order 12ft.**

## Construction

Inner Tube:	Platinum-cured silicone
Cover:	Silicone
Reinforcement:	Four-ply polyester braid with stainless steel helix wire
Color:	Translucent white with black lettering
Temperature Rating:	-80°F to +350°F -62°C to +177°C
Maximum Length:	12 feet (all sizes)

## 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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