

PureFusion™ - High Purity PFA Lined Silicone Hose

Platinum Cured Silicone Hose with High Purity PFA Liner

PureFusion™ was designed for all pharmaceutical and biopharmaceutical processing applications. This ultra-flexible smooth bore hose is reinforced with high tensile textile cords and a stainless steel helix wire. The smooth bore high purity PFA liner allows for ease of draining and cleaning; while the white silicone cover allows for easy cleaning of the hose exterior. PureFusion™ platinum cured silicone hose is used extensively in the manufacturing of pharmaceuticals and cosmetics as well as the conveying of foods and beverages. A stainless steel braid is available for higher pressure applications or external abrasion.

PureFusion™ Series Advantages:

Applications - Dosing and filling machines, high vibration of pumps and other dynamic and repetitive applications. It is suitable for food and beverage handling, as well as corrosive chemicals or high purity fluids, such as WFI.

Cleanable - Smooth bore allows for easy draining and cleaning; Smooth cover does not trap debris and can easily be wiped down.

Sanitary - **US Pharmacopoeia Class VI** approved, meets or exceeds **3A** standards, meets **FDA 21CFR177.1550** and **21CFR177.2600**.

Non-Marking - The white smooth silicone cover will not leave traces on other process equipment.

Flexible - Multiple plies of fabric reinforcement and a stainless steel helix allows for a tight bend radius while supporting the **high purity PFA** liner for full vacuum service.

Durable - Designed to give lasting services even with constant use at elevated temperatures or exposed to difficult cleaning procedures including auto clave, steam and CIP.

Fittings:

Permanently crimped 316L Stainless Steel sanitary inserts with a 15RA or better internal surface finish. Additionally electro polishing, honing and grinding of the wetted surfaces is available. I-Line, Bevel Seat and other sanitary fittings also available upon request.

Specifications:

Temperature Range: -80°F (-62°C) to 450°F (232°C)

PUREFLEX PART NUMBER	I.D. SIZE	O.D. SIZE	WORKING PRESSURE (PSI)	MIN BURST PRESSURE (PSI)	VACUUM RATING (IN. HG)	MINIMUM BEND RADIUS	WEIGHT PER FOOT (LBS)
08PF	0.50	0.92	400	1600	29.9	2.50	0.52
12PF	0.75	1.15	400	1600	29.9	2.75	0.65
16PF	1.00	1.46	300	1200	29.9	4.25	0.80
24PF	1.50	1.97	250	1000	29.9	7.25	1.05
32PF	2.00	2.48	150	600	29.9	10.50	1.25

Working Pressure, Minimum Burst Pressure and Vacuum Rating stated are at 70°F (21°C)

