

SCWV/SCBV Heavy Wall Convoluted PTFE Hose

PTFE Core Tube

Thicker wall handles vacuum applications at elevated temperatures.



Features

- Thicker wall - up to 33% more PTFE than SCW
- Handles vacuum applications at elevated temperatures
- Flare-Seal fittings - Continuous PTFE through the fitting, no area for material entrapment and increased flow
- Excellent chemical compatibility
- Easy Cleaning



Flare-Seal

Construction

- Tube: SCWV - Natural FDA Compliant PTFE
SCBV - Black Static-Dissipative PTFE
- Reinforcement: 316 Stainless Steel Braid

Compliance

- FDA CFR21 Part 177 compliant core - SCWV
- USP Class VI
- ISO 10993 Sections 5, 6, 10, 11

Fittings

- PAGE Fittings – pg. E-65

Operating Parameters

- Temperature Range:
-100°F (-73°C) to 500°F (260°C)
- Change in length at Max. Working Pressure: +2% to -4%
- Min. Burst Pressure is 4x Max. Working Pressure at 73°F (23°C)
- Pressure ratings based on 73°F (23°C)
- Decrease working pressure 1% for every 2°F above 212°F

Notes

- Factory-made assemblies only
- See pg. A-21 for part numbering system
- **Cannot be used with 93N Series Fittings**
- *Vacuum wire recommended to achieve 28 inch rating

Series SCWV/SCBV

[Visit the webpage](#)

Part Number		Nominal I.D.		Maximum O.D.		Max. Working Pressure 73°F / 23°C		Minimum Bend Radius		Vacuum Rating	Weight	
Natural	Static-Dissipative	inch	mm	inch	mm	psi	MPa	inch	mm	Hg/73F	lbs./ft.	kg/mtr
08-SCWV	08-SCBV	1/2	12.7	0.76	19.3	1,500	10.3	2	51.0	28	0.17	0.26
12-SCWV	12-SCBV	3/4	19.1	1.05	26.6	1,200	8.3	2-3/4	70.0	28	0.33	0.49
16-SCWV	16-SCBV	1	25.4	1.27	32.2	1,000	6.9	4	102.0	28	0.37	0.55
20-SCWV	20-SCBV	1-1/4	31.8	1.67	42.4	750	5.2	5-1/2	140.0	28	0.56	0.83
24-SCWV	24-SCBV	1-1/2	38.1	1.94	49.2	650	4.5	7	178.0	28	0.64	0.95
32-SCWV	32-SCBV	2	50.8	2.49	63.2	450	3.1	8-1/2	216.0	28	0.84	1.24
40-SCWV	40-SCBV	2-1/2	63.5	3.29	83.5	200	1.4	12	305.0	28*	1.52	2.26
48-SCWV	48-SCBV	3	76.2	3.83	97.3	175	1.2	14	356.0	28*	1.82	2.71
64-SCWV	64-SCBV	4	101.6	4.83	122.7	150	1.0	16	406.0	28*	2.10	3.13



WARNING

This product can expose you to chemicals including Tetrafluoroethylene, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.