

# WCS/BCS Series

## Hose Specifications



## 304 Stainless Steel Braided Low Profile Convoluted Hose Chemflur® PTFE Fluoropolymer Tube

### Chemflur® Fluoropolymer Low Profile Convoluted Tube

- Pure Chemflur® fluoropolymer; natural or static dissipating conductive, black.
- Convoluted tubes are low profile, helical formed shape that promotes self draining.
- Superior flexibility and vacuum resistance
- Neutral to taste, does not absorb color or odor
- Non-stick, non-contaminating tube is easily cleaned
- (SIP) Steam cleanable
- (CIP) Detergent or caustic cleanable

### Temperature Rating

**WCS** -65°F (-54°C) to +400°F (+177°C)

**BCS** -100°F (-73°C) to +450°F (+232°C)

### Reinforcement

- High tensile strength type 304 stainless steel braid
- Working pressure based on minimum 4:1 safety factor; burst to suggested maximum working pressure

### Approvals

- FDA (Food and Drug Administration)
- USP Class VI (WCS)
- Complies with ISO 8031 (BCS)

### Fittings

- Over 36 Fitting Styles available in a wide range of materials 316L SS standard.
- Carbon steel fitting program includes JIC, male NPT Carbon steel crimp collars 1/2" through 2" C/F for fitting dimensions (may vary slightly from 316 SS item shown)

### Hose Cover Options

- Anti-kink protection-protects hoses but does not affect "force to bend" (302 SS armor casing)
- Fiberglass/Silicone Cover Insulation provides protection from internal and external heat
- Corrosion protection for the braid reinforcement (Chemflur® FEP heat shrink)
- Color coding Polyolefin, PVC or Chemflur® FEP heat shrink
- FDA or Pharmaceutical external surface cleanliness requirements (Silicone covers)-see WCSS
- Provide external damage resistance SS half round spring guard

## WCS/BCS Hose Specifications

Part Number	Size	Hose Size ID (in.)	Hose Size OD (in.)	Maximum Working Pressure (PSI@72°F)	Vacuum <sup>1</sup> Resistance <sup>2</sup> (In. of Mercury)	Minimum Burst Pressure (PSI@72°F)	Minimum Bend Radius (in.)	Approx. Weight Per Ft. (lbs.)
2706 WCS or BCS	3/8	0.38	0.610	2,200	29.9	8,800	1.75	.15
2708 WCS or BCS	1/2	0.50	0.750	1,750	29.9	7,000	1.75	.19
2712 WCS or BCS	3/4	0.75	1.125	1,375	29.9	5,500	2.25	.30
2716 WCS or BCS	1	1.00	1.313	1,000	29.9	4,300	2.75	.40
2720 WCS or BCS	1-1/4	1.25	1.600	750	29.9	3,200	3.50	.50
2724 WCS or BCS	1-1/2	1.50	2.094	650	29.9	2,600	3.75	.63
2732 WCS or BCS	2	2.00	2.500	600	29.9	2,400	6.50	.89

<sup>1</sup>Vacuum Rating @ Minimum

Bend Radius (72°F)

3/8": = 29.9 in. Hg.

1/2": = 29.9 in. Hg.

3/4": = 29.9 in. Hg.

1": = 29.9 in. Hg.

1-1/2": = 29.9 in. Hg.

2": = 5.0 in. Hg.

<sup>2</sup>Data given is for straight hose installation.

Data given is for the hose only! End fittings vs. hose limitations must be considered and the lower of the two used for assemblies.

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