# Conv-O-Flare™

## Eliminates Corrosion and Contamination

### Conv-O-Flare PTFE tube is engineered to "flare" over the hose fitting's sealing surface, virtually eliminating corrosion and contamination.

Conv-O-Flare assemblies are uniquely designed so that a sturdy wall of PTFE tube extends through the hose end and over the fitting's sealing face. This innovative design resists kinking and crushing, and protects all metal surfaces of the hose fitting from contact with acids or other corrosive media.

Uniform open pitch helical convolutions enhance draining and ease cleaning with caustics or steam. Conv-O-Flare is available with floating flanges and stainless steel cam and groove couplers.

# Features of Conv-O-Flare

PTFE HOSE

### Construction
Heavy wall, open pitch PTFE convoluted tube reinforced with 304 stainless steel wire.

### Operating Temperature Range
Rated from –65°F to +450°F (-54°C to +232°C).

### Hose End Design
Conv-O-Flare's crimp collars and inserts are 316 stainless steel. Female cams are 316 stainless steel. Flanges are stocked in 316, 304 and carbon steel. Other materials are available on an MTO basis. Captive floating flanges simplify installation. Cam coupler arms lock for safety in HAZMAT applications.

### Optional Conductive Liner
Provides a low resistance path to the hose end for applications where flow-induced electrostatic charges can occur.

### Applications
- Transfer of almost all chemicals
- Acid transfer
- Sanitary applications
- Full vacuum
- Applications requiring high flexibility
- Vibration elimination

## Conv-O-Flare PTFE hose is available in the following grades:

Flange By Flange

| Hose I.D. | Non-Conductive Assembly Base Part Number[1] | Conductive Assembly Base Part Number[1] | Max. Working Pressure PSI@72°F | Min. Burst Pressure PSI@72°F | Minimum Bend Radius | Hose Weight per ft. | Vacuum Rating |
|---|---|---|---|---|---|---|---|
| ¾" | 9012E00AE00A-L | 9512E00AE00A-L | 500 | 2,000 | 3 | 0.33 | 29.9 |
| 1" | 9016E00AE00A-L | 9516E00AE00A-L | 450 | 1,800 | 4 | 0.43 | 29.9 |
| 1¼" | 9020E00AE00A-L | 9520E00AE00A-L | 400 | 1,600 | 5 | 0.64 | 29.9 |
| 1½" | 9024E00AE00A-L | 9524E00AE00A-L | 350 | 1,450 | 6 | 0.72 | 29.9 |
| 2" | 9032E00AE00A-L | 9532E00AE00A-L | 300 | 1,200 | 8 | 0.98 | 29.9 |
| 3" | 9048E00AE00A-L | 9548E00AE00A-L | 150 | 600 | 10 | 1.76 | C.F. |
| 4" | 9064E00AE00A-L | 9564E00AE00A-L | 150 | 600 | 12 | 2.27 | C.F. |

[1] The flange code must be inserted in the assembly base part number, in place of the "00". The assembly overall length must be inserted in place of the "L". For example: 9016E11AE11A-48". Flange codes are: 11=150 lb. Lap Joint, Carbon Steel; 15=150 lb. Lap Joint, 304 Stainless Steel; 16=150 lb. Lap Joint, 316 Stainless Steel

Cam Coupler By Cam Coupler with Locking Arms

| Hose I.D. | Non-Conductive Assembly Base Part Number[2] | Conductive Assembly Base Part Number[2] | Max. Working Pressure PSI@72°F | Min. Burst Pressure PSI@72°F | Minimum Bend Radius | Hose Weight per ft. | Vacuum Rating |
|---|---|---|---|---|---|---|---|
| 1" | 9016CCFACCFA-L | 9516CCFACCFA-L | 250 | 1,800 | 4 | 0.43 | 29.9 |
| 1¼" | 9020CCFACCFA-L | 9520CCFACCFA-L | 250 | 1,600 | 5 | 0.64 | 29.9 |
| 1½" | 9024CCFACCFA-L | 9524CCFACCFA-L | 250 | 1,450 | 6 | 0.72 | 29.9 |
| 2" | 9032CCFACCFA-L | 9532CCFACCFA-L | 250 | 1,200 | 8 | 0.98 | C.F. |
| 3" | 9048CCFACCFA-L | 9548CCFACCFA-L | 150 | 600 | 10 | 1.76 | C.F. |
| 4" | 9064CCFACCFA-L | 9564CCFACCFA-L | 150 | 600 | 12 | 2.27 | C.F. |

[2] Both Viton and Teflon® encapsulated silicone cam gaskets are available and must be ordered as separate line items. The hose assembly overall length must be inserted in place of the "L". For example: 9016CCFACCFA-48".

Female Cam Gaskets

| Cam Size | PTFE Encapsulated Viton Gasket Part Number | Maximum Temperature |
|---|---|---|
| 1" | 990015-16-TOCV2 | 450°F |
| 1¼" | 990015-20-TOCV3 | 450°F |
| 1½" | 990015-24-TOCV4 | 450°F |
| 2" | 990015-32-TOCV5 | 450°F |
| 3" | 990015-48-TOCV7 | 450°F |
| 4" | N/A | N/A |

| Cam Size | PTFE Encapsulated Silicone Gasket Part Number | Maximum Temperature |
|---|---|---|
| 1" | 990014-16-TOC2 | 400°F |
| 1¼" | 990014-20-TOC3 | 400°F |
| 1½" | 990014-24-TOC4 | 400°F |
| 2" | 990014-32-TOC5 | 400°F |
| 3" | 990014-48-TOC7 | 400°F |
| 4" | 990014-64-TOC8 | 400°F |

Flared Adapter Spool*

| Cam Size | Part Number | Maximum Temperature |
|---|---|---|
| 1" | 973100-16-316 | 450°F |
| 1¼" | 973100-20-316 | 450°F |
| 1½" | 973100-24-316 | 450°F |
| 2" | 973100-32-316 | 450°F |
| 3" | 973100-48-316 | 450°F |
| 4" | 973100-64-316 | 450°F |

HYPALON rubber covering is available for Conv-O-Flare assemblies longer than 24". Hypalon resists ozone, weathering and attack from a broad range of chemicals. The covering is installed as a protective layer over the stainless steel braid, then anchored to the hose ends with stainless steel clamps. Add "-HYP" to assembly part numbers. For example: 9016CCFACCFA-48"-HYP.

*Spool is 316 stainless with PTFE flared over sealing surfaces.

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