



# TFE-O-SIL® GASKETS

## A Superior Seal for Chemical Applications

TFE-O-SIL gaskets for cam and groove quick disconnect couplings are designed for use with practically all chemicals, even in the toughest corrosive environments. They are equally effective at low and high temperature extremes. These gaskets combine the best qualities of two high performance materials to form a superior seal: Silicone or Viton® elastomer core for resiliency, with FEP encapsulation for broad chemical resistance.

Unlike an envelope gasket, the elastomeric core of every TFE-O-SIL gasket is fully encased. The inner core is vulcanized for extra strength and durability, and its natural resiliency leads to maximum rebound. This combination of factors results in more effective, longer-lasting seals.

ROW, INC. has the expertise, experience and production capabilities to meet your specific needs. Our engineering department is ready to assist you in solving your sealing problems. Samples may be provided for testing and evaluation.

### FEATURES

- **Excellent Chemical Resistance**  
FEP is chemically inert to almost all industrial chemicals and solvents, even at elevated temperatures and pressures.
- **Resiliency**  
Elastomeric cores provide a long lasting positive seal.
- **Temperature Range**

	Fahrenheit	Centigrade
Silicone	-75° to +400°	-60° to +205°
Viton®	-15° to +400°	-26° to +205°
- **Low Coefficient of Friction**  
Lubricious surface of FEP for easier gasket insertion.
- **Nonstick Surface**  
Almost all substances release easily so cleanup is easier.
- **Sanitary**  
Eliminates contamination and compatibility concerns associated with elastomeric gaskets.

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# TFE-O-SIL® GASKETS

## GENERAL SPECIFICATIONS

### Core Material

- Silicone • Ideal for Food and Pharmaceutical Applications Utilizing FDA Compliant Silicon Core
- Viton® • Ideal for Overall Chemical Resistance and Low Compression Set

### Encapsulation

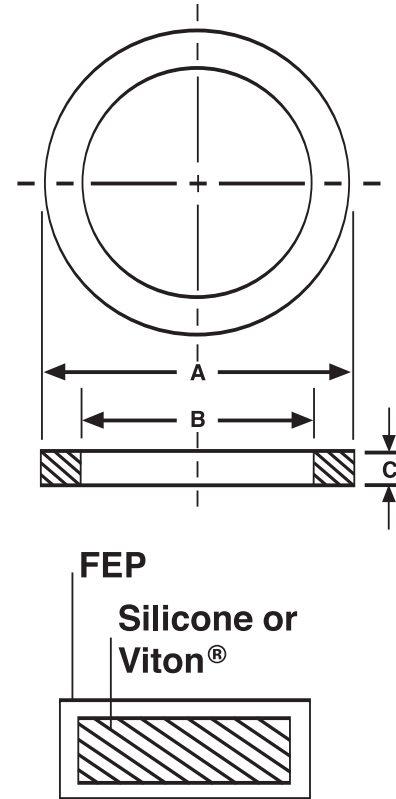
Solid .020 wall of virgin FEP (Fluorinated Ethylene Propylene) made from resin which meets or exceeds the requirements of L-P-389A and ASTM-D-2116.

**FDA and USP Class VI compliant**

### Sizes (Silicone Core Part Numbers Shown)

Part Number	Coupling Nominal Size		Dimensions					
	Inches	mm	Inches			mm		
			A	B	C	A	B	C
500CS	1/2	12.7	1.024	.669	.157	26.0	17.0	4.00
750CS	3/4	19.0	1.375	.875	.218	35.0	22.2	5.54
1000CS	1	25.4	1.563	1.063	.250	39.7	27.0	6.35
1250CS	1-1/4	31.7	1.938	1.359	.250	49.2	34.5	6.35
1500CS	1-1/2	38.0	2.188	1.625	.250	55.6	41.3	6.35
2000CS	2	50.8	2.625	2.000	.250	66.7	50.8	6.35
2500CS	2-1/2	63.5	3.125	2.375	.250	79.4	60.3	6.35
3000CS	3	76.2	3.719	3.000	.250	94.5	76.2	6.35
4000CS	4	101.6	4.875	4.000	.250	123.8	101.6	6.35
5000CS	5	127.0	5.906	4.875	.250	150.0	123.8	6.35
6000CS	6	152.4	7.063	6.000	.250	179.4	152.4	6.35

For part numbers of gaskets with Viton® cores, substitute V for S (1500CV).



## TYPICAL APPLICATIONS

TFE-O-SIL Gaskets provide a superior seal for any bulk liquid transfer in manufacturing, distribution or storage.

- Chemical Processing
- Petrochemical Industry
- Pharmaceutical Processing
- Food and Beverage Industries
- Paint and Coatings Production
- Chemical Transport
- Semi-Conductor Processing
- Photochemical Industry
- Tank and Rail Car
- Printing Inks and Dyes



# ROW

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