

# O-RINGS, VITON

## CG-305 O-RING, VITON

Viton o-ring is stocked in brown 75 durometer. They are suitable for acids, aliphatic hydrocarbons, oxidizing agents and all petroleum products. Viton has a low compression set and high temperature resistance. Viton is especially good for vacuum service and low gas permeability and has a useful temperature range of -30 to 200° C. For complete chemical resistance and fluid compatibility, see chart in the front of this catalog. **FOR VITON O-RINGS USED WITH SCHOTT FLANGES, SEE CG-147.**



CG-305

Part Number	O-Ring Size	ID x Cross Section (mm)	Pkg Qty
CG-305-5-101	5-101	2.54 x 0.097	12
CG-305-006	006	2.90 x 1.78	12
CG-305-007	007	3.68 x 1.78	12
CG-305-008	008	4.47 x 1.78	12
CG-305-009	009	5.28 x 1.78	12
CG-305-010	010	6.07 x 1.78	12
CG-305-011	011	7.65 x 1.78	12
CG-305-012	012	9.25 x 1.78	12
CG-305-013	013	10.82 x 1.78	12
CG-305-014	014	12.42 x 1.78	12
CG-305-018	018	18.77 x 1.78	12
CG-305-019	019	20.35 x 1.78	12
CG-305-020	020	21.95 x 1.78	12
CG-305-022	022	25.12 x 1.78	12
CG-305-024	024	28.30 x 1.78	12
CG-305-027	027	33.05 x 1.78	12
CG-305-104	104	2.84 x 2.62	12
CG-305-105	105	3.63 x 2.62	12
CG-305-107	107	5.23 x 2.62	12
CG-305-108	108	6.02 x 2.62	12
CG-305-109	109	7.59 x 2.62	12
CG-305-110	110	9.19 x 2.62	12
CG-305-111	111	10.77 x 2.62	12
CG-305-112	112	12.37 x 2.62	12
CG-305-113	113	13.94 x 2.62	12
CG-305-114	114	15.54 x 2.62	12
CG-305-115	115	17.12 x 2.62	12
CG-305-116	116	18.72 x 2.62	12
CG-305-117	117	20.29 x 2.62	12
CG-305-118	118	21.89 x 2.62	12
CG-305-120	120	25.07 x 2.62	12
CG-305-121	121	26.64 x 2.62	6
CG-305-122	122	28.24 x 2.62	6
CG-305-126	126	34.59 x 2.62	6
CG-305-128	128	37.77 x 2.62	6
CG-305-129	129	39.34 x 2.62	6
CG-305-132	132	44.12 x 2.62	6
CG-305-136	136	50.47 x 2.62	6
CG-305-137	137	52.07 x 2.62	6
CG-305-146	146	66.34 x 2.62	6
CG-305-201	201***	4.00 x 3.00	6

\*\*\* NOT A STANDARD SIZE #201 O-RING

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Part Number	O-Ring Size	ID x Cross Section (mm)	Pkg Qty
CG-305-204	204	9.12 x 3.53	6
CG-305-205	205	10.69 x 3.53	6
CG-305-206	206	12.29 x 3.53	6
CG-305-208	208	15.47 x 3.53	6
CG-305-210	210	18.66 x 3.53	6
CG-305-212	212	21.82 x 3.53	6
CG-305-214	214	25.00 x 3.53	6
CG-305-215	215	26.58 x 3.53	6
CG-305-217	217	29.75 x 3.53	6
CG-305-218	218	31.35 x 3.53	6
CG-305-219	219	32.92 x 3.53	6
CG-305-220	220	34.52 x 3.53	6
CG-305-222	222	37.70 x 3.53	6
CG-305-223	223	40.87 x 3.53	3
CG-305-225	225	47.22 x 3.53	3
CG-305-226	226	50.39 x 3.53	3
CG-305-229	229	59.92 x 3.53	3
CG-305-232	232	69.44 x 3.53	3
CG-305-240	240	94.84 x 3.53	3
CG-305-242	242	101.19 x 3.53	3
CG-305-243	243	104.37 x 3.53	3
CG-305-258	258	151.99 x 3.53	3
CG-305-267	267	209.14 x 3.53	1
CG-305-317	317	23.16 x 5.33	1
CG-305-331	331	56.52 x 5.33	1
CG-305-338	338	78.74 x 5.33	1
CG-305-339	339	81.92 x 5.33	1
CG-305-341	341	88.27 x 5.33	1
CG-305-348	348	110.49 x 5.33	1
CG-305-349	349	113.67 x 5.33	1
CG-305-359	359	145.42 x 5.33	1

\*\*\* NOT A STANDARD SIZE #201 O-RING



CG-305

# O-RINGS, ETHYLENE PROPYLENE



CG-303E

## CG-303E O-RING, ETHYLENE PROPYLENE

Ethylene Propylene o-ring is stocked in purple 80 durometer. They are recommended for use with ketones, dilute acids and alkalies, alcohols and silicone oils. They are not recommended for use with petroleum oils or hydrocarbon solvents. Ethylene Propylene has a useful temperature range of -50 to 145° C. For complete chemical resistance and fluid compatibility, see chart in the front of this catalog.

Part Number	O-Ring Size	ID x Cross Section (mm)	Pkg Qty
CG-303E-006	006	2.90 x 1.78	12
CG-303E-007	007	3.68 x 1.78	12
CG-303E-008	008	4.47 x 1.78	12
CG-303E-009	009	5.28 x 1.78	12
CG-303E-010	010	6.07 x 1.78	12
CG-303E-011	011	7.65 x 1.78	12
CG-303E-012	012	9.25 x 1.78	12
CG-303E-014	014	12.42 x 1.78	12
CG-303E-107	107	5.23 x 2.62	12
CG-303E-108	108	6.02 x 2.62	12
CG-303E-109	109	7.59 x 2.62	12
CG-303E-110	110	9.19 x 2.62	12
CG-303E-111	111	10.77 x 2.62	12
CG-303E-112	112	12.37 x 2.62	12
CG-303E-114	114	15.54 x 2.62	12
CG-303E-116	116	18.72 x 2.62	12
CG-303E-121	121	26.64 x 2.62	6
CG-303E-206	206	12.29 x 3.53	6
CG-303E-208	208	15.47 x 3.53	6
CG-303E-210	210	18.66 x 3.53	6
CG-303E-212	212	21.82 x 3.53	6
CG-303E-217	217	29.75 x 3.53	6
CG-303E-219	219	32.92 x 3.53	6
CG-303E-220	220	34.52 x 3.53	6
CG-303E-226	226	50.39 x 3.53	3
CG-303E-229	229	59.92 x 3.53	3
CG-303E-331	331	56.52 x 5.33	1

## CG-308K O-RING, KALREZ® 4079

Kalrez® 4079 perfluoroelastomer combines the elastomeric properties of Viton with the chemical resistance of Teflon, making it the best possible o-ring material available. Kalrez® 4079 should be considered for service in high temperature, corrosive environments such as:

- Polar Solvents such as Ketones, Esters and Ethers
- Strong Organic Solvents such as Tetrahydrofuran, Benzene, Dimethylformamide and Perchloroethylene
- Acids such as Hydrochloric, Nitric and Sulfuric
- Strong Oxidizing Agents such as Dinitrogen Tetroxide and Fuming Nitric Acid
- Metal Halogen Compounds such as Titanium Tetrachloride and Diethylaluminum Chloride
- Hot Mercury and Caustic Soda
- Chlorine-Wet and Dry
- Inorganic Salt Solutions
- Fuels such as JP-5, Aviation gas and Kerosene

Kalrez® 4079 exhibits exceptional thermal stability and is serviceable at long-term temperatures to 316° C and intermittent temperatures to 343° C. Kalrez® 4079 is not recommended for use in sealing applications below -5° C. For complete chemical resistance and fluid compatibility, see chart in the front of this catalog.

Part Number	O-Ring Size	Part Number	O-Ring Size
CG-308K-006	006	CG-308K-204	204
CG-308K-007	007	CG-308K-205	205
CG-308K-008	008	CG-308K-206	206
CG-308K-009	009	CG-308K-208	208
CG-308K-010	010	CG-308K-210	210
CG-308K-011	011	CG-308K-212	212
CG-308K-014	014	CG-308K-214	214
CG-308K-107	107	CG-308K-215	215
CG-308K-108	108	CG-308K-217	217
CG-308K-109	109	CG-308K-219	219
CG-308K-110	110	CG-308K-222	222
CG-308K-111	111	CG-308K-223	223
CG-308K-112	112	CG-308K-226	226
CG-308K-114	114	CG-308K-229	229
CG-308K-115	115	CG-308K-338	338
CG-308K-116	116		
CG-308K-117	117		
CG-308K-118	118		
CG-308K-120	120		
CG-308K-128	128		
CG-308K-137	137		
CG-308K-146	146		

**Please Note: Kalrez® 4079 o-rings are available in sizes other than those listed above. Please contact our technical service department for details.**

*Dimensions of Kalrez® 4079 o-rings are the same as CG-305 Viton o-rings.*



**CG-308K**

# O-RINGS, PERFLUORO



CG-309

## CG-309 O-RING, PERFLUORO

One of the most thermally stable elastomeric materials available, Perfluoro is a family of perfluoroelastomer compounds designed to provide superior chemical resistance, and they offer a cost savings over similar o-rings such as Kalrez® 4079 and Chemraz®. Perfluoro o-rings are stocked in WHITE 75 durometer. The effective service temperature for these seals is 200° C (continuous) and 250° C (peak). Recommended for use with acids, inorganic bases, alcohols/ethers, aromatic hydro-carbons, esters, aldehydes/ ketones, aliphatic hydrocarbons, amines and chlorocarbon solvents. For complete chemical resistance and fluid compatibility, see chart in the front of this catalog. **FOR PERFLUORO O-RINGS USED WITH SCHOTT FLANGES, SEE CG-147.**

Part Number	O-Ring Size	ID x Cross Section (mm)
CG-309-006	006	2.90 x 1.78
CG-309-007	007	3.68 x 1.78
CG-309-008	008	4.47 x 1.78
CG-309-009	009	5.28 x 1.78
CG-309-010	010	6.07 x 1.78
CG-309-011	011	7.65 x 1.78
CG-309-012	012	9.25 x 1.78
CG-309-013	013	10.82 x 1.78
CG-309-014	014	12.42 x 1.78
CG-309-018	018	18.77 x 1.78
CG-309-019	019	20.35 x 1.78
CG-309-020	020	21.95 x 1.78
CG-309-022	022	25.12 x 1.78
CG-309-024	024	28.30 x 1.78
CG-309-027	027	33.05 x 1.78
CG-309-104	104	2.84 x 2.62
CG-309-105	105	3.63 x 2.62
CG-309-107	107	5.23 x 2.62
CG-309-108	108	6.02 x 2.62
CG-309-109	109	7.59 x 2.62
CG-309-110	110	9.19 x 2.62
CG-309-111	111	10.77 x 2.62
CG-309-112	112	12.37 x 2.62
CG-309-113	113	13.94 x 2.62
CG-309-114	114	15.54 x 2.62
CG-309-115	115	17.12 x 2.62
CG-309-116	116	18.72 x 2.62
CG-309-117	117	20.29 x 2.62
CG-309-118	118	21.89 x 2.62
CG-309-120	120	25.07 x 2.62
CG-309-121	121	26.64 x 2.62
CG-309-122	122	28.24 x 2.62
CG-309-126	126	34.59 x 2.62
CG-309-128	128	37.77 x 2.62
CG-309-129	129	39.34 x 2.62
CG-309-132	132	44.12 x 2.62

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## CG-309 O-RING, PERFLUORO

One of the most thermally stable elastomeric materials available, Perfluoro is a family of perfluoroelastomer compounds designed to provide superior chemical resistance, and they offer a cost savings over similar o-rings such as Kalrezâ 4079 and Chemrazâ. Perfluoro o-rings are stocked in WHITE 75 durometer. The effective service temperature for these seals is 200° C (continuous) and 250° C (peak). Recommended for use with acids, inorganic bases, alcohols/ethers, aromatic hydro-carbons, esters, aldehydes/ ketones, aliphatic hydrocarbons, amines and chlorocarbon solvents. For complete chemical resistance and fluid compatibility, see chart in the front of this catalog. **FOR PERFLUORO O-RINGS USED WITH SCHOTT FLANGES, SEE CG-147.**

Part Number	O-Ring Size	ID x Cross Section (mm)
CG-309-136	136	50.47 x 2.62
CG-309-137	137	52.07 x 2.62
CG-309-146	146	66.34 x 2.62
CG-309-201	201***	4.00 x 3.00
CG-309-204	204	9.12 x 3.53
CG-309-205	205	10.69 x 3.53
CG-309-206	206	12.29 x 3.53
CG-309-208	208	15.47 x 3.53
CG-309-210	210	18.66 x 3.53
CG-309-212	212	21.82 x 3.53
CG-309-214	214	25.00 x 3.53
CG-309-215	215	26.58 x 3.53
CG-309-217	217	29.75 x 3.53
CG-309-218	218	31.35 x 3.53
CG-309-219	219	32.92 x 3.53
CG-309-220	220	34.52 x 3.53
CG-309-222	222	37.70 x 3.53
CG-309-223	223	40.87 x 3.53
CG-309-225	225	47.22 x 3.53
CG-309-226	226	50.39 x 3.53
CG-309-229	229	59.92 x 3.53
CG-309-232	232	69.44 x 3.53
CG-309-240	240	94.84 x 3.53
CG-309-242	242	101.19 x 3.53
CG-309-243	243	104.37 x 3.53
CG-309-258	258	151.99 x 3.53
CG-309-267	267	209.14 x 3.53
CG-309-317	317	23.16 x 5.33
CG-309-331	331	56.52 x 5.33
CG-309-338	338	78.74 x 5.33
CG-309-339	339	81.92 x 5.33
CG-309-341	341	88.27 x 5.33
CG-309-348	348	110.49 x 5.33
CG-309-349	349	113.67 x 5.33
CG-309-359	359	145.42 x 5.33

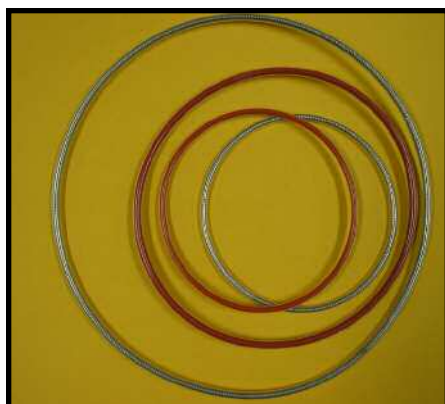
\*\*\* NOT A STANDARD SIZE #201 O-RING



CG-309



**Perfluoro  
O-Rings Available**



**CG-147**

## CG-147 O-RING FOR REACTION VESSEL AND LID

O-ring for Chemglass reaction vessels and lids. Available in Viton, Silicone, Perfluoro, FEP encapsulated Silicone and FEP encapsulated S.S. spring. The S.S. spring maintains resilience even in long term exposure to cryogenic temperatures.

<u>O-Ring Material</u>	<u>Temperature Range (°C)</u>
Viton	-30 to 200
Silicone	-50 to 230
Perfluoro	-7 to 230
FEP-Silicone	-62 to 205
FEP-Stainless	-250 to 205

<u>Part Number</u>	<u>O-Ring Material</u>	<u>Fits Flange ID (mm)</u>
CG-147-20	Viton	60
CG-147-30	Silicone	60
CG-147-80	Perfluoro	60
CG-147-40	FEP-Silicone	60
CG-147-75	FEP-Stainless	60
CG-147-79	FEP-Stainless	80
CG-147-21	Viton	100
CG-147-31	Silicone	100
CG-147-82	Perfluoro	100
CG-147-41	FEP-Silicone	100
CG-147-76	FEP-Stainless	100
CG-147-22	Viton	120
CG-147-32	Silicone	120
CG-147-42	FEP-Silicone	120
CG-147-23	Viton	150
CG-147-33	Silicone	150
CG-147-83	Perfluoro	150
CG-147-43	FEP-Silicone	150
CG-147-77	FEP-Stainless	150
CG-147-24	Viton	200
CG-147-34	Silicone	200
CG-147-84	Perfluoro	200
CG-147-44	FEP-Silicone	200
CG-147-78	FEP-Stainless	200