RECTORSEAL

A CSW Industrials Company

PRODUCT DATA SHEET

FLARETITE® REFRIGERATION & GAS SEALS

45° SAE Flare Fitting Seals

Description



Your Ultimate Solution for preventing leaks! Evolving higher pressure and more demanding hydraulic systems expose the metal to metal flare fitting which makes it very difficult to obtain a permanent leak free flared fitting joint. Flared Fitting Leaks are most commonly caused by misalignment, surface damage and vibration in the field. The entire seal is coated with a dry-to-the-touch, baked-on Loctite™ sealant. When inserted into a 45° SAE fitting, the concentric rings form multiple seals down the face of the flare, while the Loctite coating fills minor imperfections, dramatically increasing the integrity of the fitting. New ISO and NFPA standards strongly recommend seals for all fittings. The result is the Flaretite Seal is a permanent, "Leak-Free" connection, which exceeds the performance of today's ORFS fittings, and at significantly lower cost. Our seal maintains the low profile, versatility, and world-wide availability of flared fittings.

Flared connections fitted with Flaretite Seals are today's answer for high integrity, "Zero-Leak" fittings, while complying with new international standards. This unique seal may be fitted to 45° SAE, refrigeration and gas fittings. The introduction of the Flaretite Seal eliminates the weakness in the original flare design.

Packaging

Code	Description	Qty.	Lbs per Case	Dimensions (in.)
97210	Combo Kit - 9 seals each of sizes 1/4", 3/8", 1/2", 5/8" (36 seals total)	6 kits/case	1.18	8x5x3
97212	Combo Kit - (2) 3/8", (2) 5/8"	10 kits/case	0.5	8x5x3
97214	Combo Kit - (2) 1/4", (2) 5/8"	10 kits/case	0.5	8x5x3
97215	Combo Kit - (2) 1/4", (2) 1/2"	10 kits/case	0.5	8x5x3
97216	Combo Kit - (2) 1/4", (2) 3/8"	10 kits/case	0.5	8x5x3
97217	(10) 3/4" Seal Kit	10 kits/case	0.8	8x5x3
97218	(10) 5/8" Seal Kit	10 kits/case	0.61	8x5x3
97219	(10) 1/2" Seal Kit	10 kits/case	0.6	8x5x3
97220	(10) 3/8" Seal Kit	10 kits/case	0.5	8x5x3
97221	(10) 1/4" Seal Kit	10 kits/case	0.45	8x5x3
97226	(100) 3/4" Seal Kit	4 kits/case	1.36	8x5x3
97227	(100) 5/8" Seal Kit	4 kits/case	1.12	8x5x3
97228	(100) 1/2" Seal Kit	4 kits/case	0.92	8x5x3
97229	(100) 3/8" Seal Kit	4 kits/case	0.64	8x5x3
97230	(100) 1/4" Seal Kit	4 kits/case	0.44	8x5x3

FLARETITE® REFRIGERATION & GAS SEALS

45° SAE Flare Fitting Seals

Characteristics | Features

- 45° Copper Stamping with Loctite coating
- Locking tabs clip seal securely on fitting
- Conical rings for multiple points of contact
- Made for all common 45° fittings
- Rated for -40°F to 300°F (-40°C to 149°C)
- Pressure rated up to 10,000 psi (689 bar)
- Compatible with major refrigerants, including R22, R410a, R32, and R454b

Applications

Flaretite seals are used to prevent leaks that are caused by galling, vibration, pulsation & extreme temp changes. Flaretite is a perfect solution for a leak free connection in today's harshest environments.

Torque Specifications

Apply torque specifications below to your size flare fitting when using any of the five Flaretite sized products.

Manufacturer's Torque Specifications (ft-lbs)					
	1/4"	3/8"	1/2"	5/8"	3/4"
Daikin	10.4 –12.7	24.1 –29.4	36.5 –44.5	45.6 –55.6	71.7 –87.5
LG	13.9 –18	24.5 –30.3	39.7 –47.7	45.5 –59.2	71.61 –87.52
Fujitsu	11.8 – 13.3	23.6 – 31.0	36.1 – 45.0	46.5 – 55.3	66.4 – 81.1
Mitsubishi	10 –13.1	25 –30	36 –42	54 –58	–
Gree	10 –13.1	25 –30	36 –45	50 –60	–

Flaretite Recommended Torque Specifications (CU-SPP)				
1/4"	3/8"	1/2"	5/8"	3/4"
14 –18 ft-lbs	24 –30 ft-lbs	40 –47 ft-lbs	46 –59 ft-lbs	72 –86 ft-lbs

Flaretite Seal Installation

WARNING: Failure to observe the following may result in personal injury or property damage.

During assembly make sure you:

- Do not exceed pressure rating of fitting
- Do not disconnect joints when under pressure
- Place Flaretite seal squarely on the nose of fitting
- Keep fitting clean from burrs & debris
- Do not exceed manufacturer's torque recommendations

Torque all fittings to manufacturer's specifications listed above.

⚠ **WARNING** This product can expose you to Crystalline Silica, which is known to the State of California to cause cancer. For more information go to: www.P65Warnings.ca.gov

A2L COMPATIBLE

Limited Warranty

LIMITED 3YR WARRANTY

For more information on our product limited warranty, visit RectorSeal.com

Manufactured by **Flaretite, Inc. Corp. • 7723 Kensington Ct, Brighton, MI 48116, USA**

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