

Sanitary Tri-Clamp Gaskets & Essential Oil Extractor Gaskets



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Sanitary gaskets are primarily used to seal clamp connections in sanitary pipe lines. They are equipped with a tri-clamp ferrule, pipe coupling and clamp to provide a simple installation process. Among others, sanitary tri-clover gaskets are typically used within the dairy, biotech, food & beverage and cannabis & essential oil extraction industries.

In addition, the tri clamp elastomer core ensures good elasticity of the seal as well as good sealing duration, so it holds up well even in trying conditions. These extremely useful sanitary tri-clamp fittings are available in numerous [material options](#) and are available with or without a screen.

When utilizing sanitary tri-clamp gaskets for your project requirements, they need to be able to hold up to rigorous manufacturing processes and harsh environments. The terms tri clover clamp seals and tri-clamp gaskets can be intermingled and refer to the same thing.

Sanitary Gasket Options

Ace Seal operates an ISO/TS 16949:2002 certified manufacturing facility in the heart of Silicon Valley. We offer short lead times and competitive prices, with a wide variety of standard options for sanitary tri-clamp gaskets.

Materials/Colors: Black FDA FKM, Black FDA Nitrile (Buna), Black FDA [EPDM](#), Translucent FDA [silicone](#) with color coding system. Custom colors are available.

Material Certification: Materials with Class IV, Medical, 3A and various industrial certifications are available. [Contact us](#) to discuss your material certification requirements.

Screen Mesh: Standard mesh size is #10. Custom screen mesh available.

Material
Screen
Size

Product Name	Model		
1.5" Tri-Clamp Gasket FDA Viton (No Screen)	AS-1.5 Viton-NS	Ace Seal	RFQ
1.5" Tri-Clamp Gasket FDA Viton w/#10 Mesh Screen	AS-1.5 Viton-S	Ace Seal	RFQ Only
2" Tri-Clamp Gasket FDA Viton (No Screen)	AS-2 Viton-NS	Ace Seal	RFQ Only
2" Tri-Clamp Gasket FDA Viton w/#10 Mesh Screen	AS-2 Viton-S	Ace Seal	RFQ Only
3" Tri-Clamp FDA Viton (No Screen)	AS-3 Viton-NS	Ace Seal	RFQ Only
3" Tri-Clamp Gasket FDA Viton w/#10 Mesh Screen	AS-3 Viton-S	Ace Seal	RFQ Only
4" Tri Clamp Gasket FDA Viton (No Screen)	AS-4 Viton-NS	Ace Seal	RFQ Only
4" Tri-Clamp Gasket FDA Viton w/#10 Mesh Screen	AS-4 Viton-S	Ace Seal	RFQ Only
6" Tri-Clamp Gasket FDA Viton (No Screen)	AS-6 Viton-NS	Ace Seal	RFQ Only
6" Tri-Clamp Gasket FDA Viton w/#10 Mesh Screen	AS-6 Viton-S	Ace Seal	RFQ Only

Displaying 1 to 10 (of 56 products)

Sanitary Tri-Clamp Seal Material Options

Sanitary tri clover gaskets need to hold up to rigorous manufacturing processes and harsh environments. When choosing a sanitary clamp gasket for your sanitary pipe lines, it's important to understand the properties of the elastomer that your gasket is made from. Ace Seal draws from more than 30 years of experience to help you select the right seal material for your application. Available sanitary tri-clamp seal [elastomers](#) include:

[Fluorocarbon or FKM Tri-Clamp Gaskets](#)

Our FKM sanitary tri-clamp gaskets are made from a specialty elastomer material that is engineered to withstand high temperatures while retaining its mechanical qualities. FKM sanitary gaskets are more resistant to a greater variety of fluids and chemicals than those made of other, non-fluorinated elastomers. FDA/3A approved options are available. These food grade gaskets are ideal for temperatures ranging from 25°C (-13°F) to +204°C (399°F).



Ace Seal's FKM sanitary gasket material also provides the following beneficial features:

- Low gas permeability
- High temperature, ozone & weather resistance
- Low compression set
- Corrosive fluid resistance
- Good mechanical properties

[Silicone Tri-Clamp Gaskets](#)

Ace Seal's aseptic [silicone](#) clamp seals are manufactured from stable, non-reactive materials that are resistant to heat, fungus, sunlight, ozone, and weathering. Our [silicone](#) sanitary gaskets can

perform in extreme temperatures from -55° to 300°C (-67° to 572°F) without losing their useful properties. Medical grade, FDA/3A/Class VI approved [silicone](#) gasket materials are available.

In addition, our silicone tri clover seals offer the following added benefits:

- Low resistance to mineral oils
- Extreme temperature ranges
- Resistant to animal fats & oils
- Extremely clean
- FDA Certified

[Nitrile \(Buna-N\) Tri-Clamp Gaskets](#)

Nitrile sanitary gaskets and nitrile tri-clamp gaskets can withstand temperature extremes from -40° to 108°C (-40° to 226°F) with no loss of performance. Our Buna-N gasket material is highly resistant to a range of chemicals, including oil, gasoline, engine coolants, silicone greases, hydraulic fluids, and alcohols. FDA/3A approved Buna-N materials are also available.

Additional nitrile featured benefits, include:

- Excellent resistance to petroleum-based oils & fuels
- Low compression set
- High tensile strength
- High abrasion resistance
- FDA Certified

[EPDM Tri-Clamp Gaskets](#)

Also known as ethylene-polypropylene, [EPDM](#) is one of the most durable synthetic rubber materials available. [EPDM](#) sanitary gaskets and [EPDM](#) tri-clamp gaskets are resistant to steam, hot water, sunlight, silicone oils and greases, dilute acids, and automotive brake fluids. The material is ideal for extreme cold environments (as low as -60°C/-76°F), outdoor equipment, and other challenging applications. FDA approved [EPDM](#) gasket materials are available.

Ace Seal's [EPDM](#) sanitary clamps also feature the following added benefits:

- High temperature resistance
- Compression set resistance
- Excellent resistance to ozone & weathering
- Good resistance to acids & solvents

Tri-Clamp Gaskets for Cannabis & Essential Oils Extraction

With the use of medicinal marijuana on the rise and an increased demand for essential oil products, the companies that manufacture these products need a sanitary pipe line system for proper cannabis oil and essential oil extraction. A major contributing factor that assists in safely delivering cannabis and essential oils through sanitary pipe lines are the aseptic tri-clamp seals and gaskets. The gaskets ability to properly seal clamp connections prevents costly leaking. Additionally, most of the products we sell to the cannabis industry are FDA Certified.

Tri Clover Gasket Industrial Applications



A wide range of industries rely on our gaskets for sanitary pipe lines, including:

- [Biotech](#)
- Dairy Processing
- Beer Brewing & Beverage Dispensaries
- [Industrial](#)
- [Pharmaceutical](#)
- [Medical Research](#)
- Cannabis Oil Extraction
- Essential Oil Extraction

Contact Ace Seal Today for Sanitary Gaskets

[Contact us](#) today for more information on selecting the correct tri-clamp sanitary gasket for your application needs, or [request a quote](#) today for an in-depth price analysis.