

Pharmaceutical Family of Gaskets

Tri-Clamp® gaskets for applications requiring high temperature, chemical resistance, high resilience, SIP and CIP, and an extended product life



Class VI
87 & 88
Tested and
Certified

Tri-Clamp® gaskets for applications requiring high temperature, chemical resistance, high resilience and an extended product life in many styles in sizes from 1/2" to 12".

Tef-Steel: A 50/50 blend of modified PTFE and 316L atomized and passivated stainless steel, Tef-Steel delivers leak-proof, perfect surface performance with outstanding durability in SIP (steam in place), CIP (clean in place), WFI (water for injection) and hot oil applications. Tef-Steel is ideal for sanitary steam pipe connections in extreme temperatures ranging from -300°F to 500°F.

Safe-Guard Gasket: Designed to extend gauge life but will not interfere with gauge operation or accuracy. Compliant with FDA Regulations, phthalate free, ADI Free and USP Class VI Compliant.

EPDM: Peroxide cured EPDM gaskets are the ideal choice for use in production facilities of fine pharmaceutical, biotechnology, high-purity water and injectables. EPDM gaskets have excellent dimensional stability, are phthalate free and USP Class VI compliant. Temperature Ranges -30°F to 300°F

FKM: Provides high acid resistance and a versatile working temperature range (-20°F - 400°F). FKM is not recommended for continuous use in SIP procedures.

PTFE: Whenever low temperature flexibility or seal memory is not required, PTFE is the material of choice. PTFE has extremely low extractables, has a low absorption rate and excellent resistance to process fluids. It can remain in service for longer periods of time in both water and steam for continuous use.

Envelope: A PTFE envelope gasket provides the chemical resistance of PTFE with the elastomeric characteristics of EPDM or FKM Fluoroelastomer. Envelope gaskets offer consistent sealing in most applications, ranging from mild to severely corrosive environments. The PTFE component is USP Class VI certified with an FDA approved rubber insert.

Tef-Flex: Tef-Flex is specifically designed to meet critical requirements in pharmaceutical, biotechnology, ultra-pure water, WFI (water-for-injection). Fully unitized gasket, with the PTFE bonded to an EPDM liner. Temperature Ranges -20°F to 300°F

Silicone: High-purity platinum cured silicone gaskets are the ideal choice for use in production facilities of fine pharmaceutical, biotechnology, high-purity water & injectables. Temperature Ranges -40°F to 450°F

Available Pharma Gaskets

- Tef-Steel®
- PTFE
- PTFE Envelope
- Tef-Flex
- Silicone
- Gauge Safe Guard
- EPDM
- FKM

Tri-Clamp® is a registered trademark of The Ladish Company.

Available Gasket Styles

- Tri-Clamp® Type I - Standard
- Tri-Clamp® Type II - Flanged
- Tri-Clamp® Type III - Envelope
- Orifice Plates
- Perforated Plates
- Screens

Tested & Certified

- Class VI Sections 87 and 88
- USDA
- U.S. Code of Federal Regulations Title 21, Paragraph 177.2600 and 177.1550



How to Order

Contact your local distributor to order any Ace Sanitary product or replacement part, or reach us at **(855) 357-4110** or **sales@acesanitary.com** so we can assist in setting you up with your local distributor.



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