

Rubber Fab Technologies Group

CONTROLLED COMPRESSION GASKETS

Controlling the Compressive Load to Provide the Ultimate Surface I.D.

NOW AVAILABLE:
Controlled Compression Screen Gaskets and Orifice Plates



Introducing the Controlled Compression Gasket from Rubber Fab

Rubber Fab's Controlled Compression Gasket (CCG) maintains constant and controlled compression. The CCG gasket seal will not compromise the purity of the sanitary sterile process system.

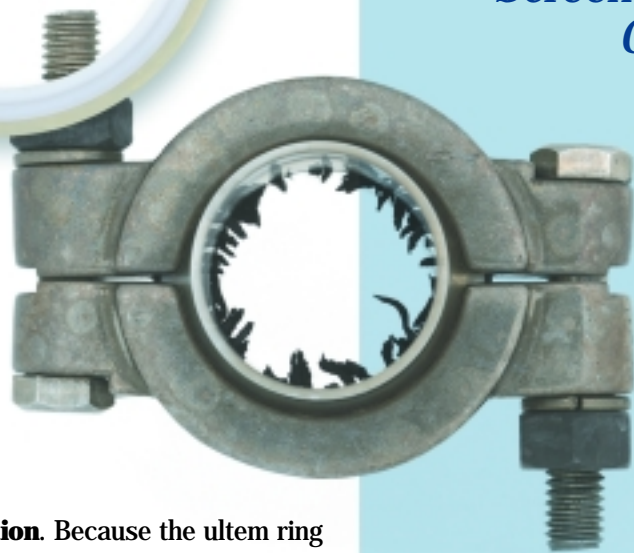
A Superior Gasket

The Controlled Compression Gasket cannot be over-tightened! The CCG is composed of the elastomer of your choice with a ring of ultem® vulcanized inside the gasket from the ring O.D. to the locating ring. This **non-compressible** polymer controls clamp compression to **exactly** the correct amount, allowing the properly positioned gasket to make a perfect surface I.D. seal with the ferrules. **No intrusion of the gasket** in the product flow is possible. The Controlled Compression Gasket literally transforms the tri-clamp connection into a **perfect I.D.**

connection. Because the ultem ring acts as a **positive mechanical compression stop** when clamping, the clamp will not loosen due to gasket creep, aging or ΔT cycles. This is true for any **standard or high pressure clamp** regardless if the clamp is secured with a wing nut, standard nuts or Rubber Fab's Torque-Rite®.

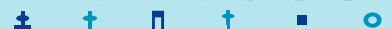
Perfect...Every Time

Because there is **no unsupported gasket intruding** into the product flow, gasket **service life is greatly extended.** With this minimum surface contact area exposed, particulates, TOCs and other extractables are dramatically reduced.



Over-tightening causes gasket intrusion into the piping I.D. which can result in tearing and sticking causing system contamination.

Rubber Fab's Controlled Compression Gaskets act as a positive mechanical stop making "over-tightening" virtually impossible.



Controlled Compression Gaskets

- Gasket material will not extrude into I.D. maintaining perfect surface I.D.
- Transforms tri-clamp fittings into a perfect I.D. connection.
- Maintains seal after thermal cycling.
- No re-tightening required.
- Complete control over amount of compression load on gasket material.
- Creates a static and leak tight seal.
- Makes over-torquing impossible.
- Superior cleaning, draining and sanitization guaranteed.
- Certain elastomers can withstand up to 100 steam cycles.
- Prevents soil retention and fluid hold-up.
- Tabs indicate lot, batch, manufacture date, size and materials used.
- Constant lot and batch traceability. *(see diagram lower right)*
- Tabs insure no potential human contamination during installation.
- Works with standard and high pressure clamps.
- 1" to 3" sizes available (excluding 2-1/2").
- Complete traceability with color coded system.
- Adjusts for misalignment.
- Available standard or tabbed.
- Samples upon request.

Meeting the Stringent Standards For Purity

- U.S. Pharmacopeia Class VI Certification
- Cytotoxicity Criteria
- Title 21 CFR 177.2600
- USDA and 3-A Sanitary Standards
- Current Good Manufacturing Practices (CGMP)
- ASME-BPE Standards
- Animal Derived Ingredient Free



Rubber Fab Technologies Group
Limecrest Road

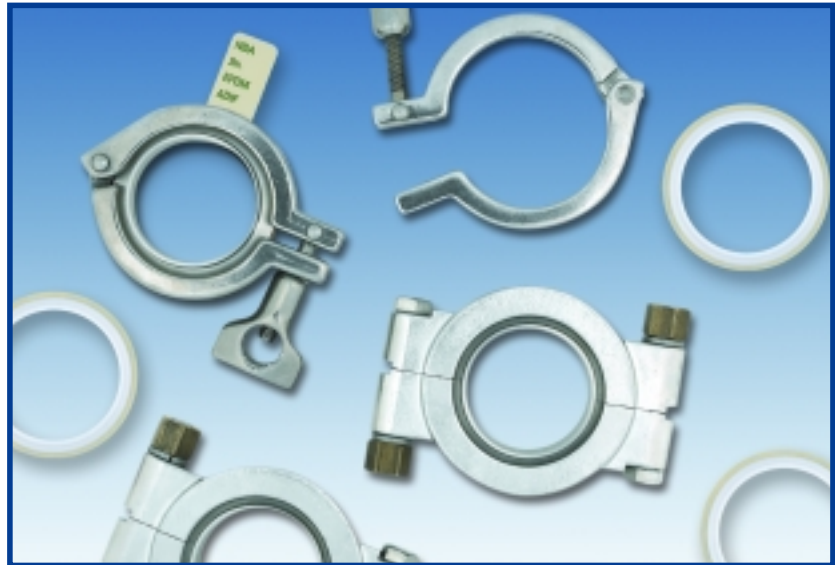
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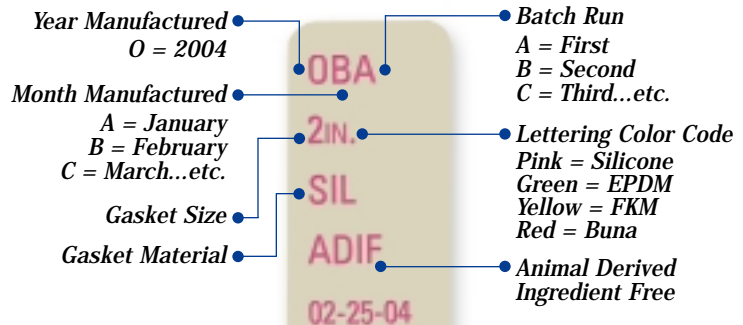
- Compression of the gasket sealing surface is more than adequate to compensate for imperfections in ferrule faces. The ultem ring is ductile enough to allow for piping misalignment.
- The lettering on the ultem® ring is color coded to indicate the elastomer type. Ring can be a sanitary Type I standard style or tabbed. Tabbed ring provides permanent record of batch and lot number as well as date of manufacture for tracking. The

tabbed ring allows customer to eliminate human contact with the gasket surface and an area to record date of installation on the reverse side of the tab.

- Ultem is a FDA compliant, USP Class VI approved, non compressible polymer. Maximum operating temperature rating is 450°F. Controlled Compression Gaskets can be autoclaved and depending on the elastomer selection can withstand up to 100 steam cycles.



Ultem® is a registered trademark of GE.



patent pending

Creating a Sanitary Tracking and Coding System

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