



# USDA News

**A New Product that is officially accepted\* for use in Dairy Plants inspected by the United States Department of Agriculture (USDA) under the Dairy Plant Survey Program.**

**\*USDA Project Number 13377**

TC Strainer Barrier	TC Elastomer Gasket	TC Strainer Gasket
		

The Strainer Barrier can be, but is not limited to, Stainless Steel Grades 304, 304L, 316 and 316L and is bonded to an elastomer to form a Strainer Gasket. The Strainer Barrier consists of a circular disk with a plurality of perforations of various diameters\*\* in a specific pattern that are completely within a specific sized circle that is concentric to the OD of the disk. The circle diameter is less than that of the ID of the elastomer gasket portion so there can be no chance of the elastomer migrating into any particular perforation during the molding process which would create crevices. In addition, there are a plurality of specific sized holes in a radial pattern between the OD of the disk and the cylindrical ID of the elastomer gasket. In the molding process, the elastomer will fill in these holes from both sides yielding a much more secure adhesion between the strainer disk and the elastomer gasket portion.

\*\*The holes could also be oblong, rectangular or square in various dimensions.

Fluoropolymer is also available, e.g. PTFE, Strainer Barrier/Gasket and any other 3-A Strainer Barrier/Gasket Material.  
TC = Tri-Clover®, formerly Tri-Clamp®, Style shown. BSI, DIN & ISO Styles are also available.

Product Materials are compliant with the following applicable 3-A Sanitary Standards:

- 42-02 In-Line Strainers for Milk and Milk Products.
- 63-03 Sanitary Fittings.



- 18-03 Multiple Use Rubber and Rubber-Like Materials.
- 20-17, currently 20-27, Multiple-Use Plastic Materials.

Product Materials are also compliant with the following applicable Standards:

- ASTM A240/A240M, Stainless Steel AISI 300 Series.
- US FDA 21CFR177.2600, Rubber Articles Intended for Repeated Use.
- US FDA 21CFR177.1550, Fluoropolymers For Use as Basic Components of Single and Repeated Use.
- USP Class VI Tests, 2004: USP 27, NF 22, 2004, <88> Biological Reactivity, *In Vivo*.
- USP MEM Elution Cytotoxicity, 2004: USP 27, NF 22, 2004, <87> Biological Reactivity, *In Vitro*.
- EU 1935/2004(3)EC, Food Contact Regs excluding Sensory (Odor) Testing.
- EU 2011/65/EC, ReCast of EU 2002/95/EC RoHS Directive.



Patent Pending: B1527.101.101, August 17, 2016

**G-M-I, Inc.®**

4822 East 355<sup>th</sup> Street, Willoughby, Ohio 44094-4634 USA

Fon/Fax: 440-953-8811/-9631

Email: [gmiinc@msn.com](mailto:gmiinc@msn.com) Url: [www.gmigaskets.com](http://www.gmigaskets.com)