



CGS™ Complete Gasket Solutions is a leading manufacturer of quality sanitary gaskets and O-Rings. CGS™ offers a wide variety of hygienic seals and specialty gaskets. Our products are used in many applications throughout the pharmaceutical, biotech, food, dairy, beverage, medical device and sanitary industrial markets. CGS™ has a track record of being a go-to resource for customer specified custom products. When it comes to sealing and gaskets, we are the leaders in state-of-the-art technologies.

CGS™ has developed an advanced Antimicrobial gasket technology.

The enhance™ patented Antimicrobial gaskets, O-Rings and seals are products used to enhance the continuing prevention of biofilm, biofouling, creep, soiling and contamination in sanitary connection seal areas. When used in sanitary manufacturing processes, enhance™ Antimicrobial products have proven to be effective. They control the propagation of bacteria, mold and fungi. enhance™ technology uses an EPA registered Antimicrobial as an inhibitor. The Antimicrobial is compounded with our elastomers and thoroughly integrated. This forms a complete homogenized product that is permanently embedded with a potent Antimicrobial that has perpetual effectiveness.

**In nano powder form, it's blended into elastomers using a specialized compounding process.**

enhance™ EPDM, BUNA-N, and FKM  
Compounds inhibit growth and propagation of:

Listeria, E. coli, Salmonella

**Bacteria**

- Bacillus cereus
- Bacillus thuringiensis
- Legionella pneumophila
- Escherichia coli = E. coli
- Klebsiella pneumoniae
- Salmonella gallinarum
- Salmonella typhimurium
- Phorphyromonas gingivalis
- Staphylococcus aureus = MRSA
- Staphylococcus epidermidis
- Streptococcus faecalis
- Streptococcus agalactiae
- Streptococcus mutans
- Pseudomonas aeruginosa
- Proteus vulgaris
- Proteus mirabilis
- Vibrio parahaemolyticus
- Enterobacter aerogenes
- Enterobacter sakazakii
- Listeria monocytogenes
- Campylobacter jejuni

**Viruses**

- Human Coronavirus = SARS
- Feline Calicivirus = Norovirus
- H5N1 = Avian Bird Flu

**Yeast, Fungi & Mold**

- Stachybotrys
- Aspergillus niger
- Candida albicans
- Penicillium funiculosum
- Saccharomyces cerevisiae
- Trichophyton malmsten
- Chaetomium globosum
- Aureobasidium pullulans
- Gliocladium virens

enhance™ is a compound that has an Antimicrobial in a carrier, that is added to an elastomer, that is thoroughly homogenized permanently. The carrier acts to firmly hold the Antimicrobial so it can attack the live pollutants from many directions. Through a process of Ion exchange, it prohibits propagation and kills the Microbes.



Carrier (Grey)

Antimicrobial (Green)

Salmonella

