



POLYCONNECT®

Improved sealing, ease of assembly
and color coding in one gasket product.

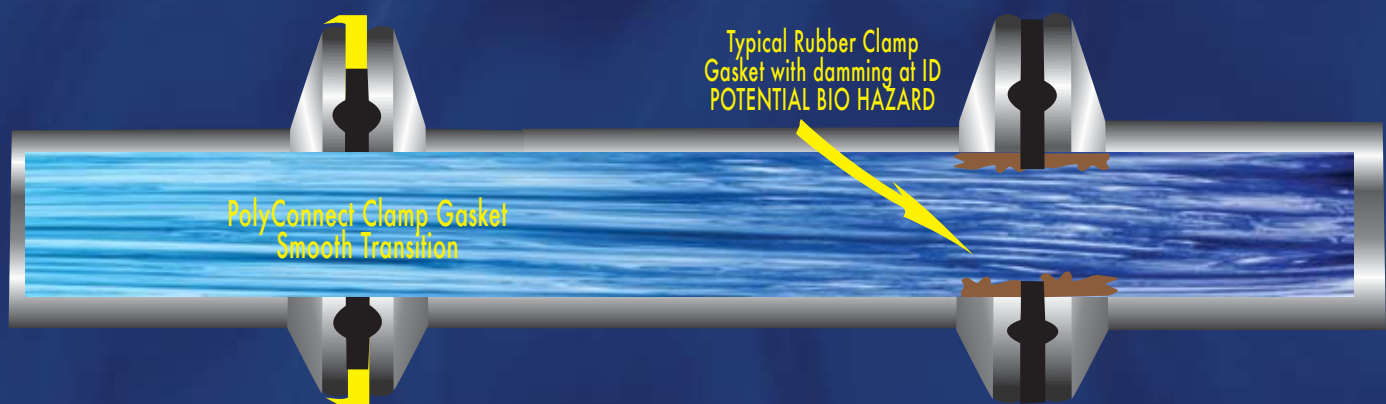




FlowSmart raises the bar by combining the industry's best performing elastomer compounds with our engineered plastic. Our second generation of rubber and plastic gaskets is now evolved to enable an operator slide the gasket into place in a confined area making installation easier than ever. Slide the PolyConnect gasket into place and the 180 degree flange locates the seal and holds the gasket in-place while your hands are free assemble the clamp into position.



Seamless Transition with Designed Stop



The ridged plastic outer ring prevents the elastomer seal from being over-compressed into the process pipeline. The outer ring acts as a stop to ensuring a seamless transition in piping connection and creating a pipeline that is free of entrapment. We utilize FlowSmart's superior performing elastomer compounds that guarantee longer life in SIP, batch production and CIP applications. Our compounds have outlasted other gaskets in biotech applications and the addition of the plastic stop has proven to further extend the gasket life.

Evolved Single Flange allows assembly into confined areas.

FlowSmart's innovative outer ring geometry provides the hands free benefit that flanges offer but the 180 degrees of spacing allows the gasket to slide into place without requiring installers to spread the piping apart beyond what it was designed to be separated. System builder can assemble skids without special consideration for cumbersome flanges and other gripping gaskets. There's no need to spend additional labor hours spreading piping to accommodate the flanges that don't allow for the easy fit up.



Flange
Open
180°



Color Coding

PolyConnect is available in 8 colors providing the ability to control batch and line separation.



PART NUMBER SYSTEM

GR	MATERIAL	COLOR	SIZE
"GR" for PolyConnect®	E = EPDM V = Viton A RXPX = Platinum Silicone VGF = Viton GF - 600S VEX = Viton Extreme AF = Aflas	BE = Blue YW = Yellow RD = Red GN = Green WE = White OE = Orange PE = Purple	1/2" = 050 3/4" = 075 1" = 100 1-1/2" = 150 2" = 200 3" = 300

Part Number Examples:

1/2" EPDM with Blue PolyConnect® would be: GR-E-BE-050.

2" Viton with Red PolyConnect® would be: GR-V-RD-200

Materials:

Plastic is comprised of Flow Smart's exclusive DuroLoc. DuroLoc is medical grade, FDA compliant, and USP Class VI tested material.

Elastomers:

EPDM peroxide cured: Flow Smart's peroxide cured EPDM has been tested to have the lowest extractables of a USP class VI EPDM gasket. Our EPDM is FDA compliant.

Viton A :

Flow Smart molds genuine EI DuPont Viton A for the PolyConnect® .

Our Viton A is USP tested and FDA compliant.

Viton GF-600S :

A high performance Viton material that has the greatest combination of steam and chemical resistance of any economical pharmaceutical/biotech grade elastomers.

Viton Extreme :

A premier high performance Viton material that can be chosen as a problem solver in extremely challenging chemical applications in the pharmaceutical and biotech industries.

Platinum Silicone:

Platinum Silicone is available in a variety of choices including DOW and GE Silicone brands. We produce our PolyConnect® using non-pigmented DOW Q7-4780.

Aflas:

Aflas is available as a problem solving compound with great range of both alkali and acid based solutions. Aflas also offers good steam resistance. Viton is a trademark of the EI DuPont Co.

PolyConnect® Benefits

- Design for the demands of Biotech and Pharmaceutical processing.
- Seamless pipe transition
- Slide fit attaches and aligns with ease.
- Compression limited by rigid stop.
- Extends elastomer life by resisting over stressing and less wear caused by turbulence
- ASME BPE-2005 compliant
- Ring and elastomers USP <87> & <88> Class VI Tested
- FDA materials
- ISO 10993 compliant



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