



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.

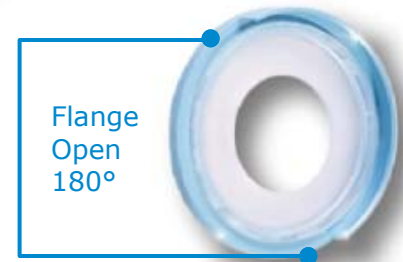
Evolved Single Flange allows assembly into confined areas.

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.

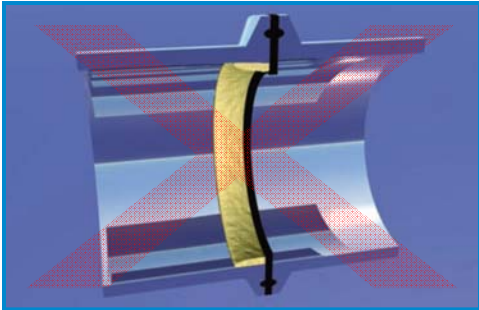
BIOPHARMACEUTICAL PRODUCTS

PolyConnect® Features/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



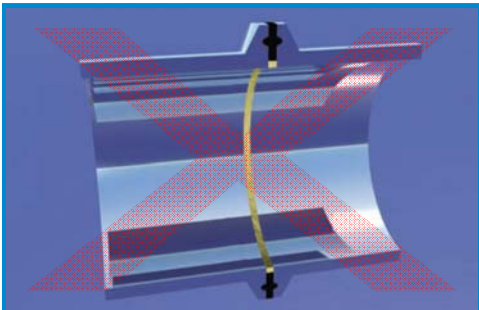
Why is a Smooth Transition Critical?



Elastomeric Intrusion into Process Stream

Intrusion into the process stream creates damming and exposes the gasket to excessive shear.

- Drainage and Cleanability are compromised
- Excess Product Hold Up
- Accelerated Elastomer Failure due to increased contact area with aggressive CIP chemicals
- Shearing of Elastomer Particulates increases risk of contamination of the Process Stream



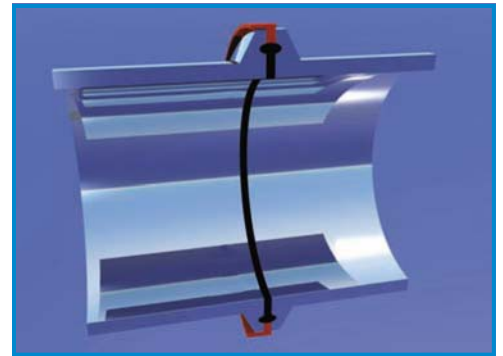
Elastomeric Recession at the Clamp Union

Recession areas caused by oversized or under-tightened gaskets provide an entrapment area at the clamp union.

- Drainage and Cleanability are compromised
- Crevice creates a Microbial trap
- Excess Product Hold Up

PolyConnect® Creates a Perfect Smooth Inner Diameter

The improved performance of PolyConnect® ridged plastic outer ring prevents the elastomer seal from being over-compressed into the into the fluid stream. By providing a smoothbore seal, the risk of contamination is reduced since the piping system can be efficiently sanitized through CIP or SIP methods. The elimination of elastomeric intrusion also decreases the contact with the fluid greatly extending the gasket's service life and reducing the risk of particulate contamination.



PolyConnect® Provides an Ideal Smooth Transition

PolyConnect® Clamp Gasket Smooth Transition

Typical Rubber Clamp Gasket with damming at ID
POTENTIAL BIO HAZARD



How To Order

ELASTOMER	
EPDM	E
Viton® A	V
Viton® GF - 600S	VGF
Viton® Extreme	VEX
Platinum Silicone	RXPX
Aflas	AF

COLOR	
BE	Blue
YW	Yellow
RD	Red
GN	Green
WE	White
OE	Orange
PE	Purple

SIZE	
050	1/2"
075	3/4"
100	1"
150	1-1/2"
200	2"
300	3"



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 EPDM has been tested to have the lowest extractables of a USP class VI EPDM gasket. EPDM is FDA compliant.

Viton® A : Genuine EI DuPont Viton® A, 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. PolyConnect® is produced 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.



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