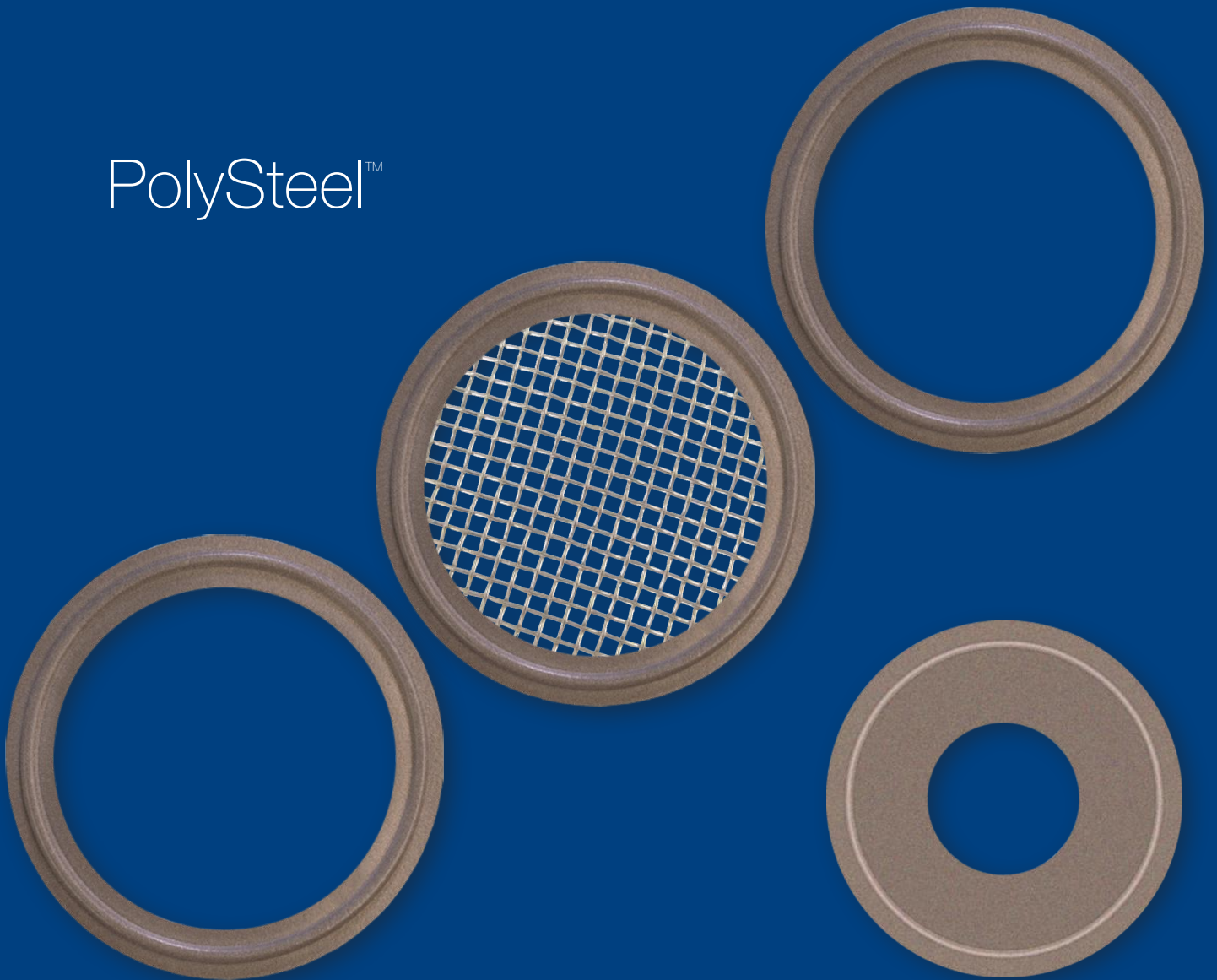




FlowSmart PolySteel™

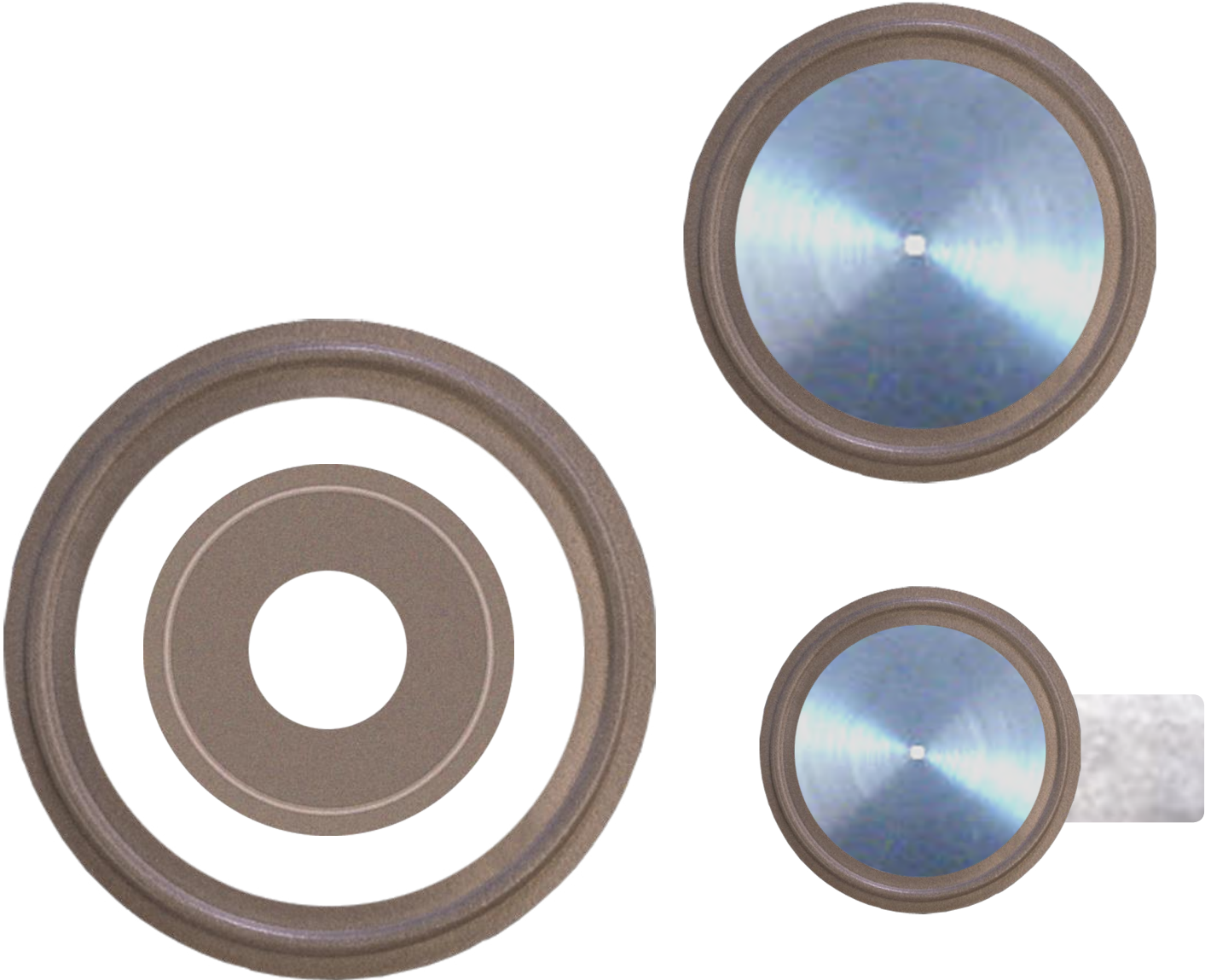
Stainless Steel Filled PTFE Gaskets

PolySteel™



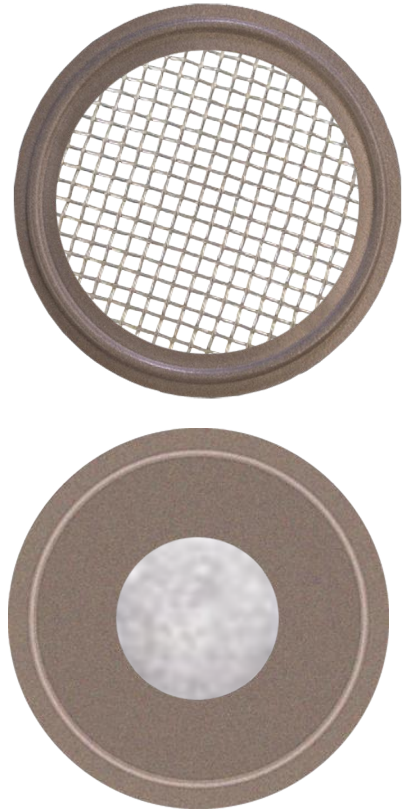
The History of PolySteel™

PolySteel material offers an inert contact surface that withstands the most challenging SIP required in biotech and pharmaceutical processing. Seal Performance will remain as creep and cold flow is minimized with extreme ΔT .



The FlowSmart® PolySteel™ Difference

- ▲ Compound has been utilized longer than any other Stainless filled PTFE in biotech and pharmaceuticals.
- ▲ USP Class VI tested
- ▲ New tooling design produces better finishes and BPE compliant inside diameters.
- ▲ Meets 3A Standards
- ▲ Any geometry is available
- ▲ No animal derived ingredients are used to produce PolySteel.



Properties of PolySteel™

PROPERTY	ASTM METHOD	VALUE
Specific Gravity	D792	3.45
Tensile Strength	D4894	1928PSI
Elongation at Break	D4894	270%
Compressive Stress at 1%	D695	832
Compressive Stress at 5%	D695	2590
Compressive Modulus	D695	84200
Hardness	D2240	68
Temperature Low	Continuous	-400 F
Temperature High	Continuous	500 F

*Custom geometries are available.

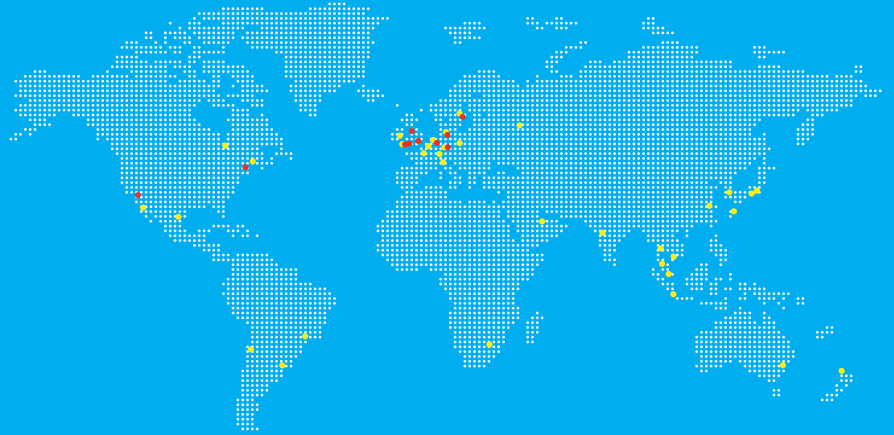


Fluid Technology Group

A Spirax-Sarco Engineering Company

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Watson-Marlow Bredel Alitea Flexicon MasoSine BioPure ASEPCO FlowSmart Aflex



Watson-Marlow online

Our engineers around the world can help you choose the perfect pump, tubing, connector and valve for your needs.

More information? Our brochures are on our website: www.wmftg.com

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