

QUICK-OPENING CLOSURES

SureSeal™ quick-opening closures allow safe and quick access to systems independently of external tools. Quick-opening closures are pressure containing closure fittings that are beneficial when frequent access to pipelines and vessels may be required. The pressure lock containment on SureSeal provides safe access to pipelines and pressure vessels, eliminating the need for blind flanges. It requires no tools, operates in high-temperature environments, and allows access to pressurized systems within seconds. The operator friendly design reduces maintenance time by keeping internal corrosion to a minimum, using standard O-rings, and less moving parts. The technology is used in various oil and gas applications including but not limited to pig launchers and pig receivers. SureSeal meets all international industry standards, codes and is DOT compliant.



Design Features:

- Tool-less operation
- Standard O-ring sizes
- Face-seal design eliminates door sticking issue common on closures with radial seal designs
- Internal diameter of closure can be fabricated to match internal diameter of mating component
- Self-aligning
- Standard design supplied with end bevel
- Optional single-piece flange design available to eliminate welding

Technical Specifications:

Size Range	6" – 24" Nominal Pipe Size
Design Code	ASME Pressure Piping Codes B31.4 and B31.8
Standard Pressure Classes	150#, 300#, 600#
Standard Design Parameters	1480 psig @100°F and a design factor of 0.5
Standard Corrosion Allowance	1/16"
Cyclic Service	Designed for a minimum of 7500 pressure cycles using Finite Element Analysis and the requirements of ASME Section VIII, Division 2.
O-ring material	Buna-N, Viton, or customer specified