



GRIPSAFE[®] ST



REVOLUTIONARY PIPING ISOLATION & TESTING TECHNOLOGY



DOUBLE BLOCK AND BLEED (DBB) PLUG
3/4" TO 24"*

APPLICATIONS

Flange Weld Testing. Pressure can be placed between the two seals to test weld-neck flanges by means of hydrostatic pressure, checking for hoop stress failure, weld leaks and/or pinhole leak paths while providing protection from any unexpected pressure discharge.

Pre/Post Weld Operations. Dual port design provides enhanced cooling by circulating water between the seals during pre/post weld processes (on 6"+ models).

Isolation. Increase safety by preventing exposure to hydrocarbon or other process leaks. Eliminate risk of injury to personnel in the event of inadvertent valve openings, valve leaks, or other pressure equipment failures upstream.

Positive Isolation Monitoring. Pressure between the two seals verifies seal integrity and ensures the plug's seals are effectively isolating the pipe.

Line Purging. Feed inert gases through the vent pipe, into a vessel, for back-purging welds or to remove oxygen for other processes.

Manufactured Exclusively by USA Industries
* Larger sizes available upon request



INBOARD INSERTION BLOCKING (IIB) REVERSE PRESSURE PLUG
3/4" TO 24"*

APPLICATIONS

Flange Weld Testing. Used in conjunction with a ported blind flange, GripSafe IIB plugs stress the weld joint in longitudinal (axial), circumferential (hoop) and radial pressures identical to the stresses that would be induced when hydro-testing the entire piping system, making them superior to traditional flange test plugs (FTP) which apply hoop and radial stresses only.

Pressure Vessels. Block outlet piping in vessels to pressurize for cleaning or testing purposes.



SAFETY & RELIABILITY

Instantly Secure. GripSafe ST's independent self-gripping technology virtually eliminates the risk of plug ejection by automatically gripping the pipe from the moment it is installed (auto-locking function unavailable in IIB Model)

Superior Self Gripping. The wedge system distributes equal loading across the gripping wedges ensuring maximum surface contact and holding capabilities.

Less Weight. Weighes less on average than competitive products.

No Pipe Surface Damage. GripSafe ST uses a specially designed wedge system that grips the pipe without scarring the surface.

Non-Contaminating. Can be used on any metal type with no carbon contamination.



OUTBOARD RETRACTION BLOCKING (ORB) PLUG
3/4" TO 24"*

APPLICATIONS

Pipe Testing. Test pipe sections without the need for flanges.

Pipe Spool Testing. Perform hydrostatic testing of pipe spools, eliminating the need for end caps and welding.

Isolation. Increase safety by preventing exposure to hydrocarbon or other process leaks. Eliminate risk of injury to personnel in the event of inadvertent valve openings, valve leaks, or other pressure equipment failures upstream.

Line Purging. Feed inert gases through the vent pipe, into a vessel, for back-purging welds or to remove oxygen for other processes.