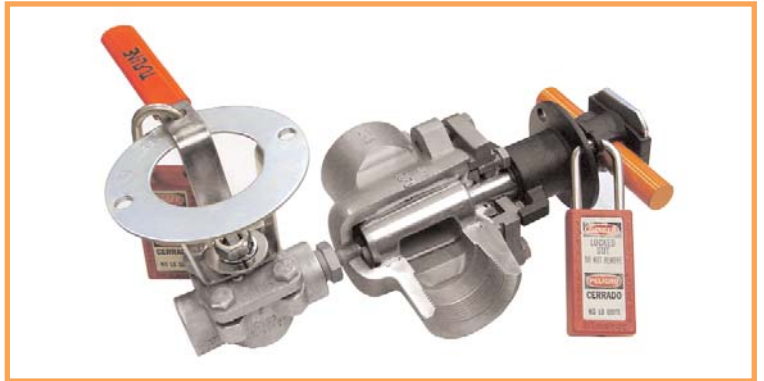


## Tufline® Double Block and Bleed Sleeved Plug Valves

### Tufline® Double Block and Bleed Sleeved Plug Valves

In order to minimize the chance of leakage past a valve so that systems, processes, or equipment can be isolated, processors or governing bodies often require that double block and bleed valving be installed into piping systems. Traditionally, a double block and bleed system consisted of two separate block valves and a bleed valve assembled on a pipe tee or an expensive lift and turn type valve. When isolation was required, both block valves would close and the bleed valve opened to drain the media from the pipe tee. By monitoring the outlet of the bleed valve, a user could determine whether the system, process, or equipment was properly isolated. While this multiple block valve system works effectively, it is expensive to install and maintain, especially when working with large valves or automated systems. The cost of the two block valves, the bleed valve, the actuation for all three valves, the control system to link them together, as well as the pipe tee, the flange bolting, and flange gaskets can add up quickly.



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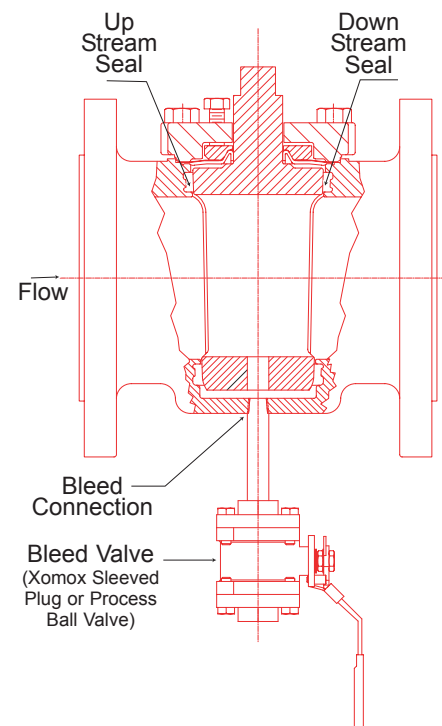
### Xomox Cost Effective Alternate

Today processors have a more cost effective alternate to the traditional multi-valve system - the Tufline Double Block and Bleed Valve. Unlike traditional double block and bleed systems, Xomox can isolate with the use of only one valve due to the inherent upstream and downstream sealing properties of the Tufline Sleeved Plug Valve. It will maintain both an upstream and downstream seal between the ports under pressure differentials across the valve in either direction or under pressure balanced conditions. The bleed off between the upstream and downstream seals is accomplished via a drain hole in the bottom of the plug and a corresponding drain connection in the bottom of the valve body.

### Availability

Tufline double block and bleed valves are available in a wide variety of configurations.

- ANSI classes 150, 300, and 600
- Standard materials include carbon steel, stainless steels, and high nickel alloys to exotics such as titanium and zirconium
- Standard and XP design
- Reduced and full ported
- End connections include flanged, threaded, welded, RTJ, and quick clamp
- Temperatures from -20°F to +600°F
- With or without optional bleed valve





## Applications

Xomox has supplied double block and bleed valves in numerous applications in practically every industry including:

- Chemical
- Refining
- Steel making
- Petrochemical
- Pulp and Paper
- Pharmaceutical
- Oil & Gas
- Mining
- Food processing

*For dimensional information, pressure-temperature limitations, flow capacities, torque information, and "How to Order" please refer to the Tufline Sleeved Plug Valve brochure or Xomox website [www.xomox.com](http://www.xomox.com).*

## Worldwide capabilities.

No matter where in the world you are, Xomox technical support and services are available from:

- 16 Manufacturing facilities
- 18 Service Centers
- 50 Sales Offices
- More than 200 Xomox authorized distributors

## Product selection.

Xomox offers the broadest line of process valves, actuators, accessories, and related services including:

- Tufline® Process Valves
- Saunders® Diaphragm Valves
- Matryx® Rack & Pinion, Vane Actuators
- Xomox XRP™ Actuators

## Global locator.

For a listing of Xomox Manufacturing Facilities, Service Centers, Regional Offices, and Authorized Distributors, visit our website:

[www.xomox.com](http://www.xomox.com)

## Xomox literature.

All Xomox catalogs and technical data are available as PDF files at

[www.xomox.com](http://www.xomox.com)

## Phone support.

Call your nearest Xomox Sales Office or the Xomox World Headquarters:

Phone: 513-745-6000

Fax: 513-745-6093



a Crane Co. Company

## Corporate strength.

Xomox is a Crane Co. company. Through the Crane Co. association, Xomox offers even greater global capabilities and breadth of product lines.

## Xomox Corporation

World Headquarters  
4444 Cooper Road  
Cincinnati, Ohio 45242



## Product Responsibility.

Xomox's concern for product performance extends to the product's period of service. We feel it is important for users to also be aware of their responsibilities. Our products are manufactured and used in numerous applications with a wide variety of service conditions. While general guidelines are often furnished, it obviously is not possible to provide complete and specific performance data for every conceivable service condition. Therefore, the end user must assume final responsibility for proper evaluation, application and performance of all products.

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