

# XOMOX®

brands you trust.



## Tuflin® Double Block and Bleed Sleeved Plug Valves

**CRANE**

ChemPharma Flow Solutions

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

## 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.

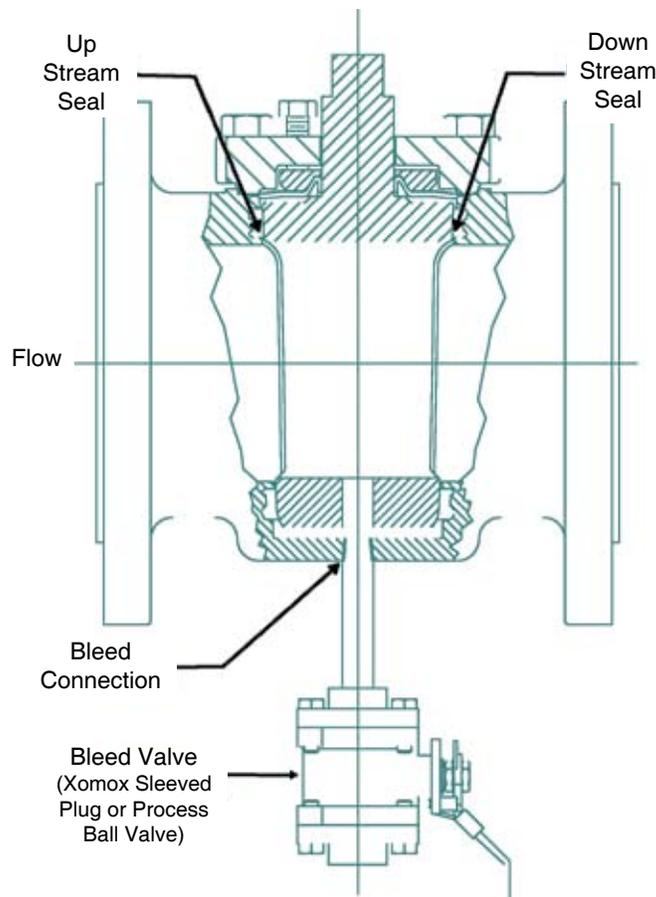
## Alternate

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.

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

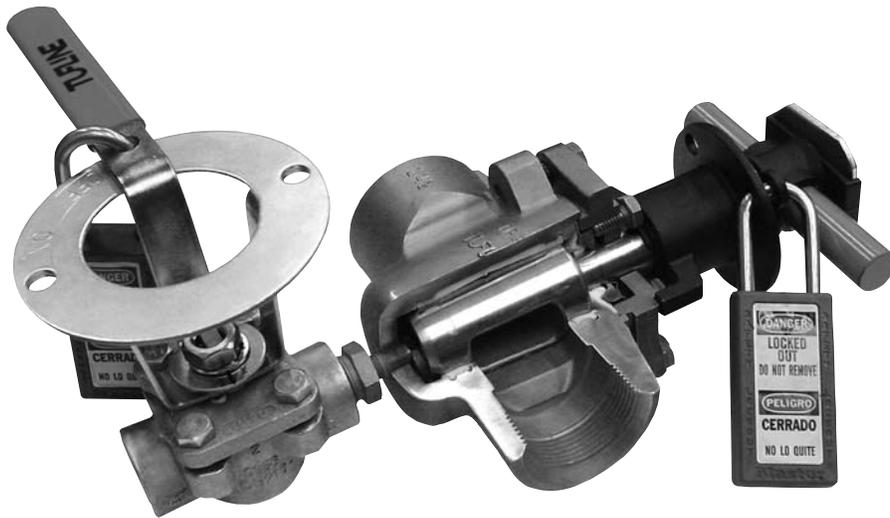
- ANSI classes 150, 300, and 600
- Standard materials include carbon steel, stainless steels, and high nickel alloys to exotics such as titanium and zirconium
- Standard and XP design
- Reduced and full ported
- End connections include flanged, threaded, welded, RTJ, and quick clamp
- Temperatures from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

© Copyright Xomox Corporation 2005. All rights reserved. Xomox®, Tufline®, and Matryx® are registered trademarks of Xomox Corporation. XRP™ is a trademark of Xomox Corporation.



**Xomox Cost Effective**

**Availability**



## Applications

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

- Chemical
- Petrochemical
- Oil & Gas
- Refining
- Pulp and Paper
- Mining
- Steel making
- Pharmaceutical
- 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).

## Product Responsibility

Crane Co., and its subsidiaries cannot accept responsibility for possible errors in catalogues, brochures, other printed materials, and website information. Crane Co. reserves the right to alter its products without notice, including products already on order provided that such alteration can be made without changes being necessary in specifications already agreed. All their trademarks in this material are property of the Crane Co. or its subsidiaries. The Crane and Crane brands logotype (Xomox<sup>®</sup>, Saunders<sup>®</sup>, Resistoflex<sup>®</sup>, Resistopure<sup>™</sup>, PSI<sup>®</sup>, DEPA<sup>®</sup>, ELRO<sup>®</sup>, REVO<sup>®</sup>) are registered trademarks of Crane Co. All rights reserved.

# XOMOX®

CRANE ChemPharma Flow Solutions™

XOMOX Headquarters

4444 Cooper Road,  
Cincinnati, OH 45242, U.S.A.

Tel.: (513) 745-6000

Fax: (513) 745-6086

XOMOX International GmbH & Co. OHG

Von-Behring-Straße 15,  
D-88131 Lindau/Bodensee

Tel.: (49) 8382-702-0

Fax: (49) 8382-702-144

**CRANE**

ChemPharma Flow Solutions



brands you trust.

CRANE ChemPharma Flow solutions Include: Pipe - Valves - Fitting - Actuators - Pumps

**DEPA**®

**PSI**  
LINE PIPE SYSTEMS

**ResistoPure**

**Saunders**®  
the science inside

**ELRO**®

**RESISTOFLEX**®

**revo**®

**XOMOX**®

CP-XOMOX-SPVD88-BU-EN-CI-2/09-PN340083

Crane Co., and its subsidiaries cannot accept responsibility for possible errors in catalogues, brochures, other printed materials, and website information. Crane Co. reserves the right to alter its products without notice, including products already on order provided that such alteration can be made without changes being necessary in specifications already agreed. All their trademarks in this material are property of the Crane Co. or its subsidiaries. The Crane and Crane brands logotype (Xomox®, Saunders®, Resistoflex®, Resistopure™, PSI®, DEPA®, ELRO®, REVO®) are registered trademarks of Crane Co. All rights reserved.