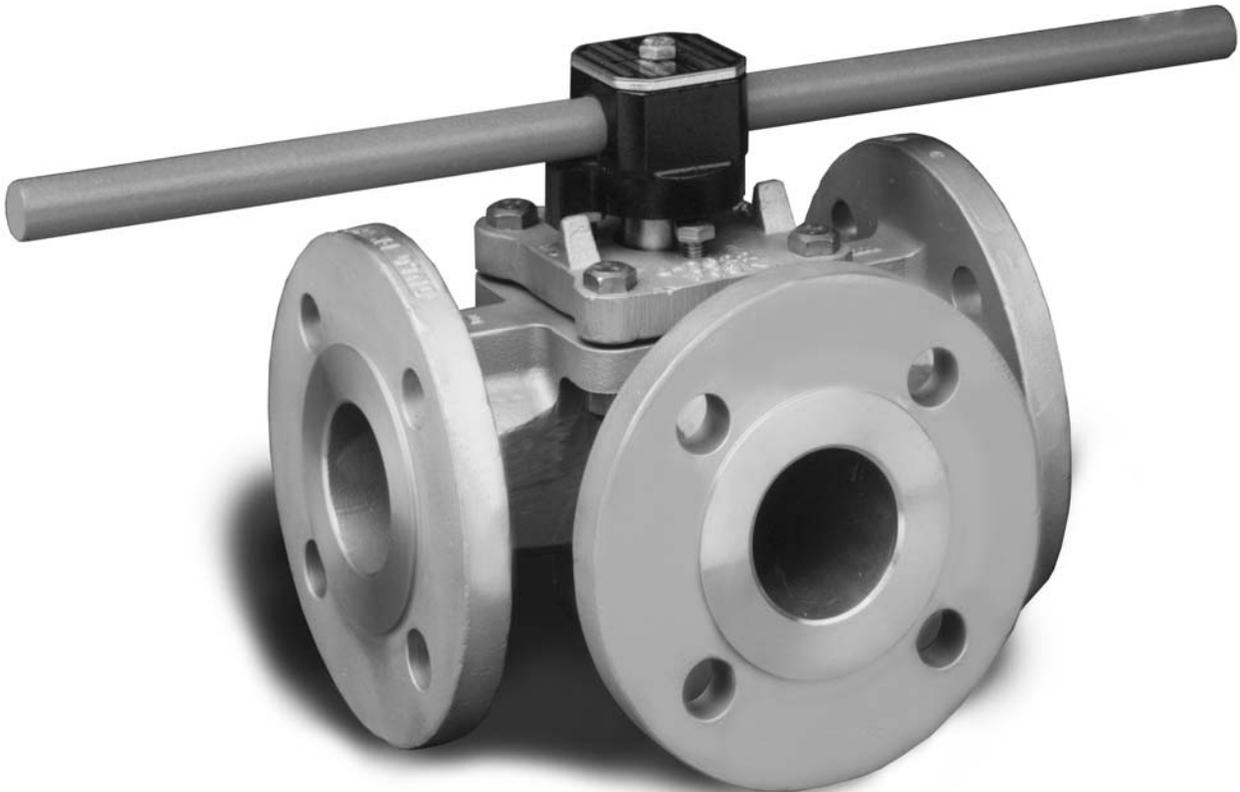


Tuflin[®] Side Entry 3-Way Sleeved Plug Valves

FROM THE XOMOX SPECIAL PRODUCTS GROUP



Tuflin non-lubricated sleeved plug valves are available in a side-entry, 3-way configuration.

This valve incorporates the unique features and benefits of the Tuflin line of valves including superior sealing performance and long service life with virtually maintenance free operation.

The Tuflin side-entry 3-way valve adds the advantage of more compact, flexible, and economical system design and operation.

No pockets or cavities.

Unlike many other 3-way valve designs, Tuflin sleeved plug valves have no cavities to entrap contaminating media. This is an important consideration for food and pharmaceutical applications.

For applications such as polymers, chemicals, salts, slurries, brines, muds, plastics, or sewage, there are no cavities where the flow media can collect and solidify.

Self cleaning.

Metal lips completely surround the valve ports. With each rotation of the valve, any scale which may have collected on the plug seal surface is broken-up and wiped away.

Variety of materials.

For maximum versatility, the Special Products Group offers Tuflin 3-way side entry sleeved plug valves in a variety of standard and high-alloy metals.

Increased flow capacity.

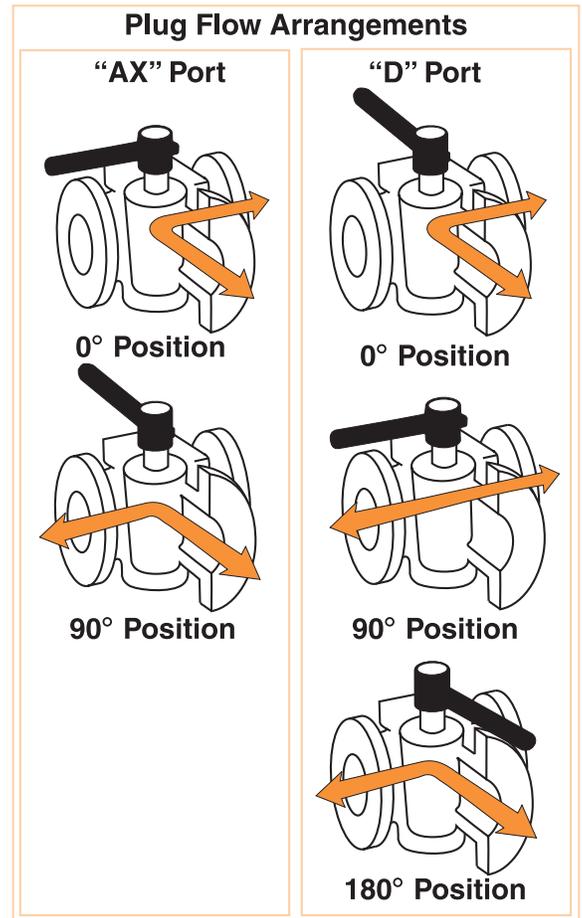
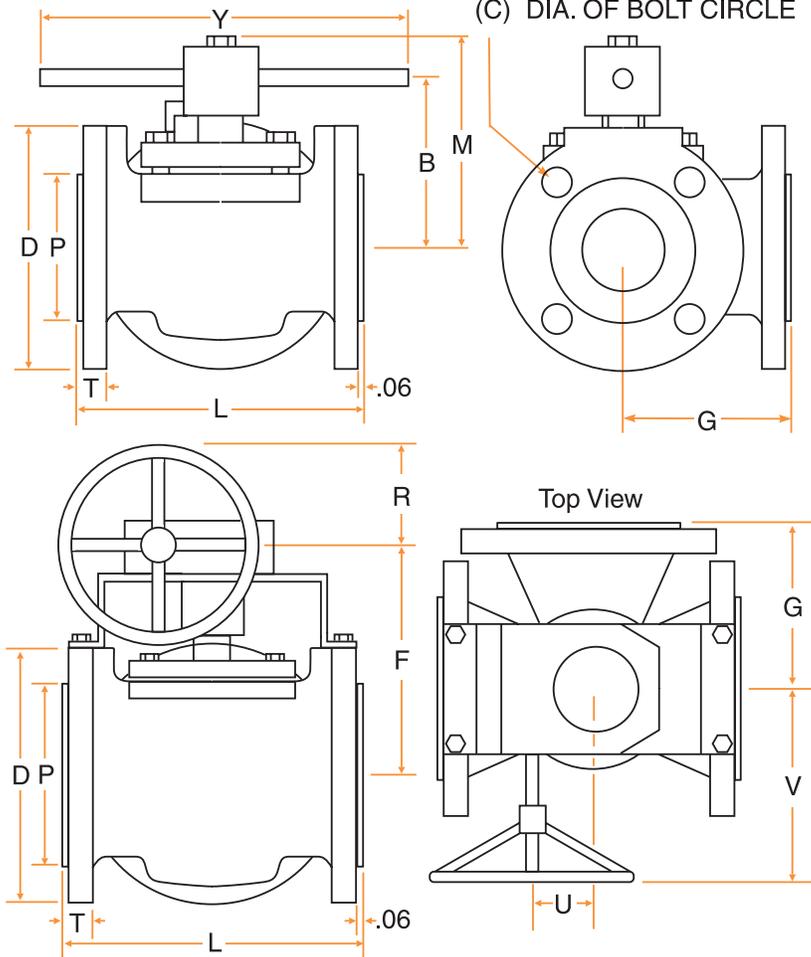
As compared to Tuflin's bottom entry 3-way sleeved plug valve, the side entry valve typically offers higher flow capacity.

Pressure/temperature ratings.

Pressure and temperature ratings for standard sleeved plug valves apply with the exception that the pressure drop should not exceed 170 psig at 100°F while switching.



FLANGE BOLTING:
 (N) NO. OF BOLT HOLES
 (O) DIA. OF BOLT HOLES
 (C) DIA. OF BOLT CIRCLE



Class 150 / 3-Way / Side-Entry . . . Figure No. 077

Size	L	G	D	T	P	N	O	C	M	B	Y	F	R	U	V	Weight
1/2	4.25	2.75	3.50	.38	1.38	4	.63	2.38	—	4.00	6.38	—	—	—	—	4
3/4	4.63	2.88	3.88	.41	1.69	4	.63	2.75	—	4.00	6.38	—	—	—	—	5
1	6.30	3.50	4.25	.44	2.00	4	.63	3.13	3.81	2.88	8.75	—	—	—	—	14
1 1/2	7.87	4.13	5.00	.56	2.88	4	.63	3.88	4.56	3.63	12.50	—	—	—	—	24
2	9.05	4.50	6.00	.63	3.63	4	.75	4.75	5.13	4.00	18.00	—	—	—	—	33
3	12.20	5.13	7.50	.75	5.00	4	.75	6.00	5.69	4.63	24.00	—	—	—	—	42
4W	13.78	6.00	9.00	.94	6.19	8	.75	7.50	7.06	5.75	30.00	—	—	—	—	76
4EG	13.78	6.00	9.00	.94	6.19	8	.75	7.50	—	—	—	8.75	6.00	1.88	8.00	115
6	10.50	7.50	11.00	1.00	8.50	8	.88	9.50	—	—	—	11.12	9.00	2.62	9.50	152
8	11.50	9.00	13.50	1.13	10.63	8	.88	11.75	—	—	—	13.25	9.00	3.00	11.25	240
10	18.00	11.00	16.00	1.19	12.75	12	1.00	14.25	—	—	—	14.88	12.00	3.50	13.31	470
12	19.75	12.50	19.00	1.25	15.00	12	1.00	17.00	—	—	—	16.13	15.00	5.38	15.38	650

Cv Values

Size	"AX" Port 0° & 90° "D" Port 0° & 180°	"D" Port 90°
1/2	4.5	9
3/4	4.5	9
1	17.5	35
1 1/2	37.5	74
2	64	146
3	108	250
4	193	468
6	374	936
8	515	1400
10	860	2159
12	1280	3200

How to specify

Size Figure No. Option Body Plug Sleeve Operator Service

2" - 077 - FT - 2 - 6 - P1 - W - C

Size & Figure No.

Options

Fire Tested **FT**
 Tertiary Top Seal . . . **TS**
 Cage Control **CCV**
 Extended Packing . **XP**
 Partial Jacket **PJ**
 Full Jacket **FJ**

Port Arrangements
 "AX" or "D"

Valve specifications may include multiple options.

Body

Alloy 20 **0**
 Carbon Steel . . . **2**
 Monel **3**
 Nickel **5**
 316SS **6**
 Hastelloy B **8**
 Hastelloy C **9**
 Inconel **40**
 Other (Specify) . **X**

* Specify actuator type and available air supply.

** Consult your Xomox Sales Engineer for a wide variety of other available service options.

Service

Chlorine . . **C**
 Oxygen . . **O**
 Vacuum . . **V**
 General Service . . . **Blank**
 Other** . . . **X**

Operator

Less Operator . . . **N**
 Wrench **W**
 Wrench with locking device . **WY**
 Gear **G**
 Gear with locking device . **GZ**
 Actuator* **A**

Sleeve

PTFE **P1**
 15% RPTFE . **P2**
 25% RPTFE . **P3**
 PFA **P6**
 Xomox-7 **P7**
 UHMWPE . . . **P8**
 Tufline-475 . **P16**
 Tufline-600 . **P20**
 Other (Specify) . . . **PX**

Plug

Alloy 20 **0**
 Monel **3**
 304SS **4**
 Nickel **5**
 316SS **6**
 Hastelloy B **8**
 Hastelloy C **9**
 Inconel **40**
 Other (Specify) . **X**

Choose from the broadest line of process valves, actuators, accessories, and services.

- Tufline non-lubricated sleeved plug valves
- Tufline fully lined plug valves
- Tufline fully lined ball valves
- Tufline fully lined butterfly valves
- Tufline fully lined valve accessories
- Tufline high performance butterfly valves
- Tufline severe service valves
- Tufline process ball valves
- Matryx rack & pinion actuators
- Matryx vane actuators
- Matryx field-bus qualified electric actuators and intelligent devices
- Xomox Automation & Service Centers
- Xomox Special Products Group

For Tufline® and Matryx® product catalogs, call your nearest Xomox sales office.

Visit our web site: www.xomox.com

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. The contents of this document are presented for information purposes only. Every effort has been made to ensure accuracy. This information is not intended to be construed as warranties or guarantees, expressed or implied, nor imply use applicability, for products or services described herein. We reserve the right to modify or improve the designs and specifications of such products at any time without notice. As the manufacturer, Xomox sells its products and services pursuant to its standard terms and conditions of sale, including its limited warranty, copies of which are available upon request. Xomox limits its liability specifically to the replacement or repair of defective items, or to a refund for same. Xomox does not accept liability for any incidental or consequential damages.

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