



# Valv-Tech Inc.

## ST and SF Styles

### Slide Valves – Quick – Opening Blast Gates

- **Lightweight**
- **Low Cost**
- **Suitable for control or on – off service**
- **Low leakage in fully-closed position**

#### The multiple – capability ST and SF Style Slide Valves

are designed for control and on – off applications where minimal leakage can be tolerated. They are used on piping and equipment handling air, gases, liquids and semi – solids in chemical, food, petroleum and allied processing plants, in metallurgical foundries, in ceramic, rubber, textile, ice, gas and other industrial plants. They are used as blast gates in air conditioning and ventilating systems, vacuum lines, gas engines and turbine exhaust lines, air and gas lines to industrial furnaces, ovens, kilns, dryers, heaters, and boilers. These valves provide full pipe area without obstructions that restrict flow and cause undue pressure drop when in full – open position.

The ST valve is available in 1” through 6” sizes with a standard NPTF screwed end. The SF valve has lightweight flanged ends to match 150# ANSI drilling, and are available from 4” through 24”. Larger sizes are available on request, and special flange drilling can be supplied on the SF Series.

These valves will withstand differential pressures to 5 psi in sizes 6” and larger, 10 psi in 4” and 5” sizes, 20 psi in 1” through 3” sizes.

The standard slide valve is constructed of a cast iron body, 304 stainless steel blade and shaft to handle temperatures of –40° F. to 1000° F. Special materials are available for more severe service.

Both styles of valves can be operated with pull handles, rack and pinion handwheel or chainwheel, pneumatic or hydraulic cylinder, or electric motor.

Dimension drawings and chart are shown on the reverse side. Select the right Valv-Tech ST or SF Style Slide valve for your specific operating conditions, and we will ship a top – quality valve right back to you . . . at the right price.



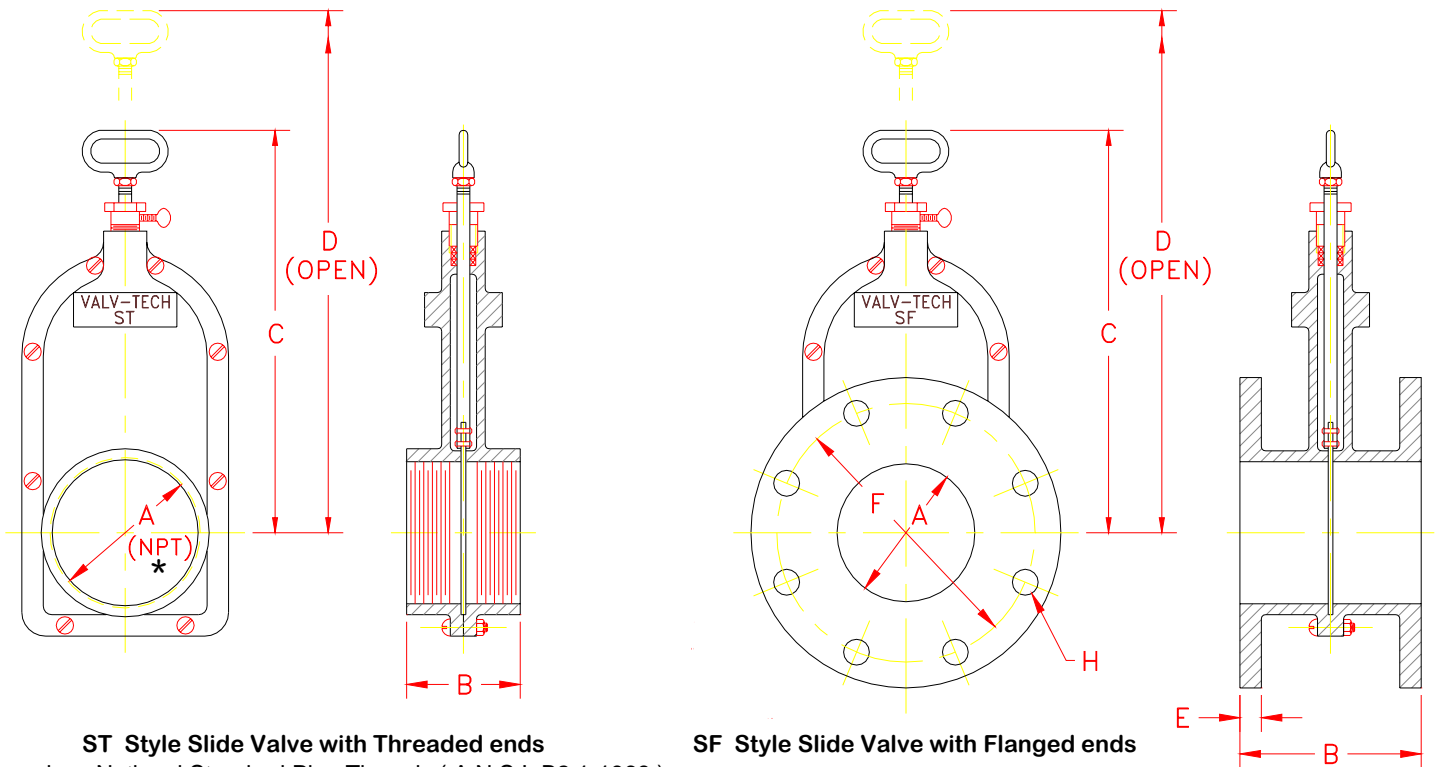
ST Style Slide Valve  
with pull - handle



SF Style Slide Valve  
with pull - handle

# VALV-TECH INC.

## ST and SF Style Slide Valves



**ST Style Slide Valve with Threaded ends**

**SF Style Slide Valve with Flanged ends**

\*American National Standard Pipe Threads ( A.N.S.I. B2.1-1968 )

Size	A		"ST" *NPT THRD.	B		C	D	E	F	G	H	APPROX. WT. #	
	SF	ST		SF	ST							SF	ST
1	NA	1.2	1.00"-11.5	NA	2.8	8.0	9.8	NA	NA	NA	NA	NA	7.0
1.25	NA	1.4	1.25"-11.5	NA	2.8	8.0	9.8	NA	NA	NA	NA	NA	6.5
1.50	NA	1.7	1.50"-11.5	NA	2.8	8.0	9.8	NA	NA	NA	NA	NA	6.0
2	NA	2.2	2.00"-11.5	NA	2.8	9.0	11.2	NA	NA	NA	NA	NA	7.1
2.50	NA	2.6	2.50"-8	NA	2.8	9.8	12.6	NA	NA	NA	NA	NA	9.1
3	NA	3.2	3.00"-8	NA	3.3	10.5	13.8	NA	NA	NA	NA	NA	11.0
4	4.0	4.3	4.00"-8	5.25	3.3	12.0	16.4	.56	7.5	8	.75	31.0	15.0
5	5.0	5.4	5.00"-8	5.25	3.5	13.5	18.8	.56	8.5	8	.88	36.0	20.0
6	6.0	6.4	6.00"-8	5.75	3.8	15.0	21.2	.56	9.5	8	.88	43.0	25.0
8	8.0	NA	NA	6.00	NA	19.0	27.5	.72	11.8	8	.88	89.0	NA
10	10.0	NA	NA	6.50	NA	22.5	33.5	.72	14.2	12	1.00	C.F.	NA
12	12.0	NA	NA	6.50	NA	25.5	38.5	.72	17.0	12	1.00	C.F.	NA
14	13.2	NA	NA	7.00	NA	28.5	43.5	.72	18.8	12	1.12	C.F.	NA
16	15.2	NA	NA	8.50	NA	32.0	49.0	.72	21.2	16	1.12	C.F.	NA
18	17.2	NA	NA	8.50	NA	37.0	55.5	.72	22.8	16	1.25	C.F.	NA
20	19.2	NA	NA	9.00	NA	41.0	61.5	.72	25.0	20	1.25	C.F.	NA
24	23.2	NA	NA	9.00	NA	48.0	73.0	.72	29.5	20	1.38	C.F.	NA

F -- Bolt Circle  
G -- No. of Holes  
H -- SF Hole Dia.

F – G – H – Dimensions FOR 150# ANSI Flanges Only  
C.F. – Consult factory for availability

Note: SF's 10" size & larger can be fabricated from various steel materials as required.