



**Copper Sweat**



S580  
SOLDER  
TEFLON SEATS  
AND SEALS

**BRONZE BALL VALVES**  
**TWO-PIECE BODY CONVENTIONAL**  
**PORT.**  
**BRONZE BALL, BRONZE TRIM**  
**, BLOW-OUT PROOF STEM**  
**125 PSI SATURATED STEAM**  
**400 PSI NON-SHOCK COLD**  
**WATER, OIL, OR GAS**  
**COPPER SWEAT**

Code#	Description	Size
23-0603	C-C	1/2
23-0604	C-C	3/4
23-0605	C-C	1
23-0606	C-C	1-1/4
23-0607	C-C	1-1/2
23-0608	C-C	2



**Carbon**

T-580CSR-25  
THREADED  
REINFORCED TFE  
SEATS  
AND SEALS  
WITH C.S. TRIM

**CARBON STEEL BALL VALVES**  
**TWO PIECE BARSTOCK BODY,**  
**BLOW-OUT PROOF STEM.,**  
**CARBON STEEL TRIM,**  
**VENTED BALL**  
**1/4"-1" 2000 LB. WATER, OIL, OR GAS**  
**1-1/4"-2" 1500 LB. WATER, OIL, OR GAS**  
**THREADED**

Code#	Description	Size
23-0853	IP	1/2
23-0854	IP	3/4
23-0855	IP	1
23-0857	IP	1-1/2
23-0858	IP	2



**Bronze Threaded**

T-585-70  
THREADED  
REINFORCED TEFLON  
SEATS AND SEALS

**BRONZE BALL VALVES**  
**TWO-PIECE BODY,**  
**CHROME PLATED BALL,**  
**BLOW-OUT PROOF STEM,**  
**FULL PORT**  
**150 PSI SATURATED STEAM',**  
**600 PSI NON-SHOCK COLD WATER, OIL, OR GAS**  
**THREADED**

Code#	Description	Size
23-1051	IP	1/4
23-1052	IP	3/8
23-1053	IP	1/2
23-1054	IP	3/4
23-1055	IP	1
23-1056	IP	1-1/4
23-1057	IP	1-1/2
23-1058	IP	2

**Bronze Threaded**



T-580  
THREADED  
TEFLON SEATS  
AND SEALS

**BRONZE BALL VALVES**  
**TWO-PIECE BODY**  
**CONVENTIONAL PORT,**  
**BRONZE BALL, BRONZE**  
**TRIM, BLOW-OUT PROOF**  
**STEM**  
**125 PSI SATURATED**  
**STEAM**  
**400 PSI NON-SHOCK COLD**  
**WATER, OIL, OR GAS**  
**THREADED**

Code#	Description	Size
23-0703	IP	1/2
23-0704	IP	3/4
23-0705	IP	1
23-0706	IP	1-1/4
23-0707	IP	1-1/2
23-0708	IP	2

**Copper Sweat**



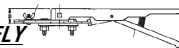
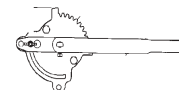
S-585-70  
SOLDER  
REINFORCED TEFLON  
SEALS AND TFE SEATS

**BRONZE BALL VALVES**  
**TWO-PIECE BODY,**  
**CHROME PLATED BALL,**  
**BLOW-OUT PROOF STEM,**  
**FULL PORT**  
**150 PSI SATURATED STEAM',**  
**600 PSI NON-SHOCK COLD WATER, OIL, OR GAS**  
**COPPER SWEAT**

Code#	Description	Size
23-1001	C-C	1/4
23-1002	C-C	3/8
23-1003	C-C	1/2
23-1004	C-C	3/4
23-1005	C-C	1
23-1006	C-C	1-1/4
23-1007	C-C	1-1/2
23-1008	C-C	2

**Lever Lug**

LD-3010-3  
LUG STYLE WITH  
EPDM LINER AND  
DUCTILE DISC  
LEVER LOCK OPERATOR

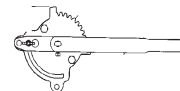


**250 PSI BUTTERFLY**  
**VALVES EPDM**  
**DUCTILE IRON BODY,**  
**EXTENDED NECK,**  
**GEOMETRIC DRIVE,**  
**MOLDED-IN SEAT LINER,**  
**INSTALL BETWEEN STD.**  
**ANSI CLASS 125/150**  
**FLANGES**

Code#	Description	Size
23-3451	Flanged	2-1/2
23-3452	Flanged	3
23-3454	Flanged	4

**Lever Wafer**

WD-3010-3  
WAFER STYLE  
WITH EPDM LINER AND  
DUCTILE DISC  
LEVER LOCK OPERATOR



**250 PSI BUTTERFLY**  
**VALVES EPDM**  
**DUCTILE IRON BODY,**  
**EXTENDED NECK,**  
**GEOMETRIC DRIVE,**  
**MOLDED-IN SEAT LINER,**  
**INSTALL BETWEEN STD.**  
**ANSI CLASS 125/150**  
**FLANGES**

Code#	Description	Size
23-3602	Flanged	3

See Manufacturers Sheet for Complete Details



## Butterfly Valve Technical Information

### Installation Guide

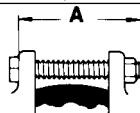
1. This Butterfly Valve is bi-directional and may be installed in either direction.
2. Install this valve between any ANSI Class 125 or 150 flange. Cast iron, bronze plastic or steel flanges may be used.
3. The stem can be installed in any position, but if a choice of stem positions exists, good practice dictates that the valve be installed with the stem horizontal. This will minimize liner wear by distributing stem and disc weight evenly.
4. Valves should be installed with the disc in the closed or almost closed position. This will prevent damage to the disc sealing edge.
5. Before any flange bolts are tightened, valves should be centered within the flanges and then carefully opened to assure free, unobstructed disc movement. Disc interference may result when valves are installed in pipelines having smaller than normal inside diameters, such as heavy wall pipe, plastic lined pipe, or as cast flanges. Suitable corrective measures must be taken to remove these obstructions, such as taper boring the pipe or installing a spacer.
6. Interference may also occur when butterfly valves are bolted directly to the outlet flange of a swing check, silent check, or reducing flange. Check valve and butterfly valve combinations are very popular; normally a short spool piece is required between the valves.
7. The liners are color coded for easy identification.

### CAUTION

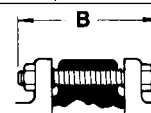
1. Class 250 cast iron and Class 300 steel flanges **can not** be used on these valves.
2. Rubber faced or mechanical flanges are **not** recommended.
3. This valve is **not recommended** for steam service.
4. Valves should **not** be assembled to the flanges and then welded into the piping system.
5. Lever-lock handles are **not** recommended for use on 8" and larger valves.

### Capscrew and Bolt Data

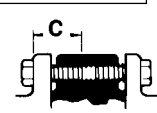
Valve Size	All Bolting		Wafer Type	Lug Type		
	Diameter	Number		Machine Bolts Length(a)	Stud Bolts Length(b)	Cap Screw Length(c)
		Machine & Stud	Cap Screw			
2"	5/8	4	8	4-1/2	5	1-1/2
2-1/2"	5/8	4	8	4-1/2	5-1/2	1-1/2
3"	5/8	4	8	4-1/2	5-1/2	1-5/8
4"	5/8	8	16	5	6-1/2	1-7/8
5"	3/4	8	16	5-1/2	6	2
6"	3/4	8	16	5-1/2	8	2
8"	3/4	8	16	6	8-1/2	2-1/4
10"	7/8	12	24	6-1/2	7-1/2	2-1/4
12"	7/8	12	24	7	7-1/2	2-1/2



WAFER STYLE



LUG STYLE



LUG STYLE