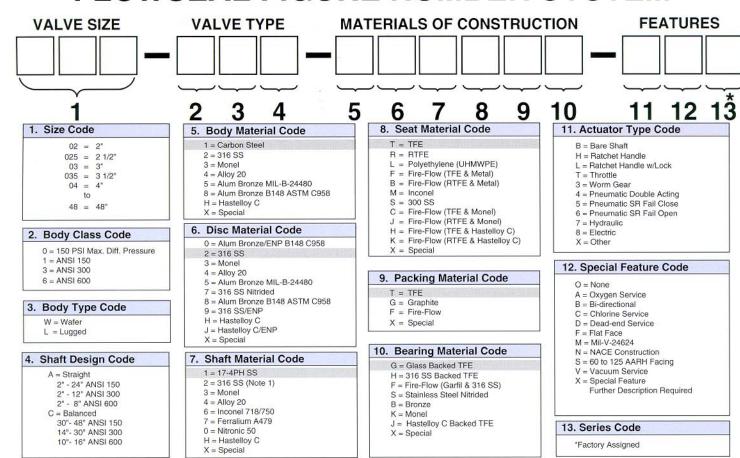
Ordering Information

Flowseal

FLOWSEAL FIGURE NUMBER SYSTEM



Example: 12 – 1WA – 121TTG – 30G

Note 1. Use of 316 SS shaft may lower shutoff differentials. Consult factory.

TYPICAL SPECIFICATION

1.0 Scope

This specification covers the design and testing of high pressure offset seat butterfly valves.

2.0 Applicable Standards

The following standards shall apply

ANSI B16.5: Pipe Flanges and Flanged Fittings (24" size and smaller).

ANSI B16.34: Valves-Flanged and Buttwelding End.

MSS SP-25: Standard Marking System for Valves, Fittings, Flanges and Unions.

MSS SP-61: Pressure Testing of Steel Valves.

MSS SP-68: High Pressure-Offset Seat Butterfly Valves.

API 609: Butterfly Valves, Lug-Type and Wafer-Type.

3.0 Design Requirement

- 3.1 Valves shall be High Performance Butterfly with offset seat and eccentric shaft. They shall be capable of sealing against full differential pressure in either flow direction.
- 3.2 Valve seat shall be both self and pressure energized with an elastomeric core. The self energizing member shall be isolated from the line media.
- 3.3 Valves shall have retained top and bottom low friction bearings.
- 3.4 Shaft design shall be single or dual piece.
- 3.5 Retainer rings must be recessed in the body so that the line gasket prevents any potential external leakage.

- 3.6 Valves shall have internal stop to prevent disc over-travel.
- 3.7 Valves shall be Flowseal or approved equal.

4.0 Materials

= Standard materials

- 4.1 Valves shall be constructed of new material.
- 4.2 Carbon steel valves shall be constructed from materials below:
- 4.2.1 Body-ASTM A105 or A216 Gr. WCB.
- 4.2.2 Disc-ASTM A182 F316 or A351 Gr. CF8M.
- .3 Stainless steel valves shall be constructed from materials below:
- 4.3.1 Body-ASTM A182 Gr. F316 or A351 Gr. CF8M.
- 4.3.2 Disc-ASTM A182 Gr. F316 or A351 Gr. CF8M.
- 4.4 Shafts shall be ASTM A564 type 630 H 1150 or 316 SS.

5.0 Inspection and Test

- Valves shall be hydrostatically shell tested per ANSI B16.34 and MSS SP-61.
- 5.2 Valves shall be seat tested per MSS SP-61. No leakage is permitted for resilient seated valves.
- 5.3 API 598 testing available upon request.



Call: 701-225-0927 Fax: 701-225-6358