

ANSI GROOVED BUTTERFLY VALVE

Type: XD381X

Doc No: DS-901-XD381X-01-E-X

1.0 PRODUCT OVERVIEW

The butterfly valve is simple, with compact and 90° slewing crane structure, it's mainly used for low pressure pipeline with tamper switch.



Dimensions:

2"(DN50)-12"(DN300)

Design Standard:

MSS SP-67

Connection Standard:

AWWA C606, ISO 6182

Top Flange Standard

ISO 5211

Working Pressure:

300PSI, 250PSI, 200PSI, 175PSI

Application:

The butterfly valve is an important component of the fire protection system. The operating temperature range is 0°C-80°C.

Material of Matching Products:

Material is in accordance with ASTM A536, 65-45-12;
 Pipe fittings according to AWWA C606

Surface Treatment:

- Epoxy power painting (color numbers as RAL3000, etc)
- Painting (color numbers as RAL3000, etc)
- Others would be available upon clients' detailed request

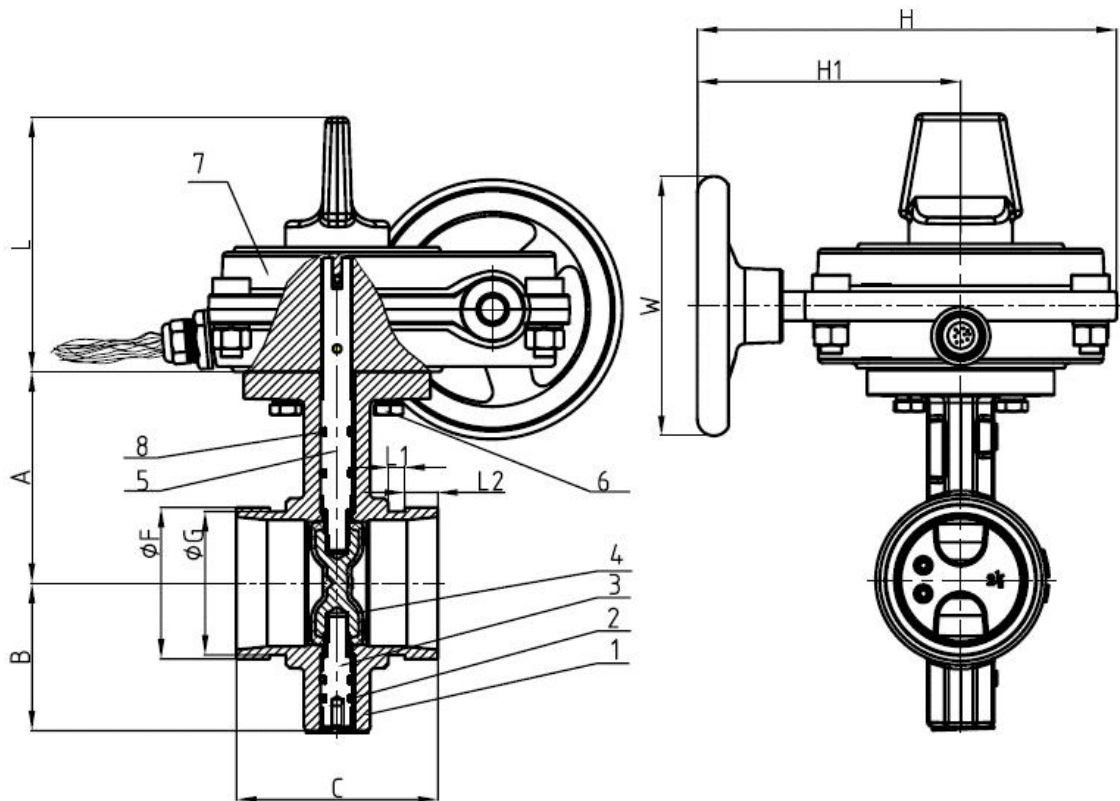
2.0 APPROVALS



RoHS NSF/ANSI 61 NSF/ANSI 372

3.0 SPECIFICATIONS

Product Sketch:



Part No.	Part	Standard Specification	Options
1	BODY	ASTM A536,65-45-12	
2	O-Ring	NBR	EPDM
3	Stub Shaft	SS431	
4	Disc	ASTM A536,65-45-12+EPDM	ASTM A536,65-45-12+NBR
5	Drive Shaft	SS431	
6	Hex Nut	Carbon Steel Zinc plated	
7	Signal Gearbox	Body: ASTM A536,65-45-12	
8	O-Ring	NBR	EPDM

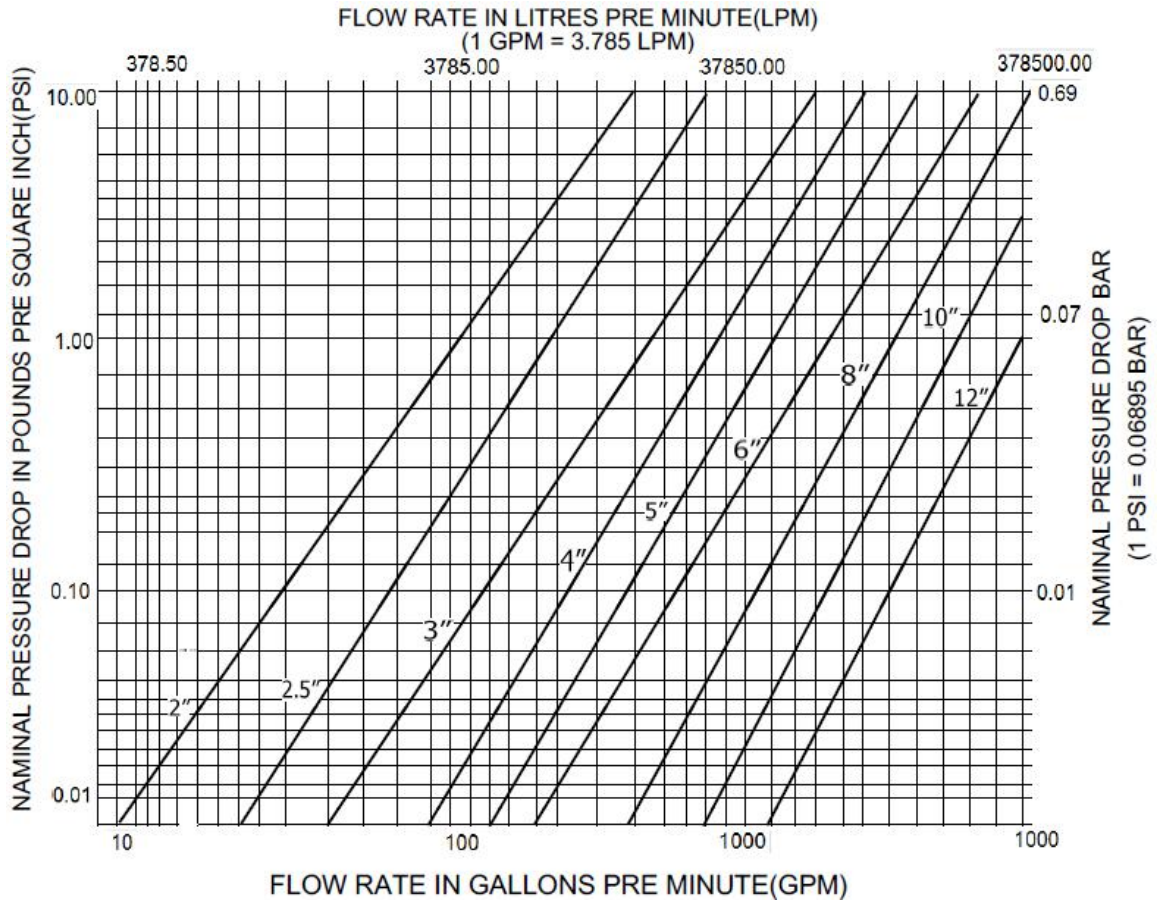
4.0 DIMENSIONS AND PERFORMANCE

4.1 Dimensions

Size		Dimension(mm)							
Inch	mm	A	B	C	F	G	L	L1	L2
2	50	89	65	81	60.3	57.15	123	7.93	15.88
2 1/2	65	102	71	97	73	69.09	123	7.93	15.88
3	80	109	81	97	88.9	84.94	123	7.93	15.88
4	100	128	95	116	114.3	110.08	123	9.53	15.88
5	125	141	111	148	141.3	137.03	123	9.53	15.88
6	150	153	133	148	168.3	163.96	123	9.53	15.88
8	200	184	164	133	219.1	214.4	123	11.1	19.05
10	250	216	196	159	273.1	268.28	123	12.7	19.05
12	300	254	226	165	323.9	318.29	133	12.7	19.05

Size		Dimension(mm)						
Inch	mm	H1	H	W	ΦE	ΦF	N-ΦM	ISO5211
2	50	127	202	125	70	90	4-φ10	F07
2 1/2	65	127	202	125	70	90	4-φ10	F07
3	80	127	202	125	70	90	4-φ10	F07
4	100	127	202	125	70	90	4-φ10	F07
5	125	127	202	125	70	90	4-φ10	F07
6	150	140	215	225	70	90	4-φ10	F07
8	200	199	274	225	102	125	4-φ12	F10
10	250	199	274	225	102	125	4-φ12	F10
12	300	202	298	225	102	125	4-φ12	F10

4.2 Flow rates



4.3 Strength

Shell Test: 600PSI.

Seal Test: 1200PSI.

Cycle Test: 1000 cycles.

5.0 REFERENCE MATERIALS

Approved certification for Butterfly Valve