

## Wafer Butterfly Valve with Tamper Switch (XD371X), UL/FM/VdS Approved

00C3073.7

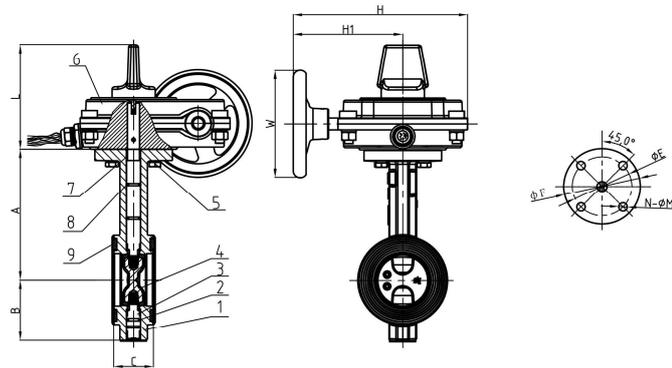


XD371X



RoHS NSF/ANSI 61 NSF/ANSI 372

- Design Standard: MSS SP-67
- Top Flange Standard: ISO 5211
- Working Pressure: 300PSI/363PSI  
175PSI, 200PSI and 250PSI available upon request
- Temperature Range: 0°C - 80°C
- Coating: Fusion Bonded Epoxy Coating in accordance with  
ANSI/AWWA C550
- Flange specification: ASME B16.1 CL125,  
ASME B16.5 CL150

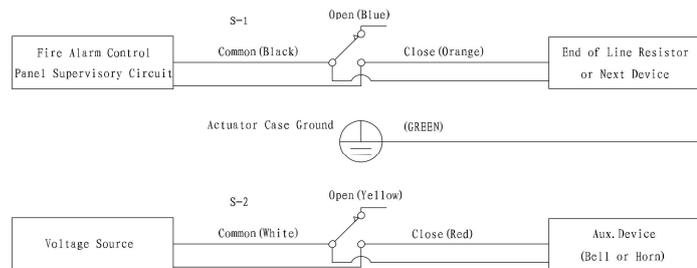


### MATERIAL SPECIFICATION

Part No.	Part	Standard Specification	Options
1	Valve Body	ASTM A536, 65-45-12	
2	O-Ring	NBR	EPDM
3	Stub Shaft	AISI 431	
4	Disc	ASTM A536, 65-45-12+EPDM	ASTM A536, 65-45-12+NBR
5	Hex Nut	Carbon Steel Zinc plated	
6	Signal Gearbox	Body: ASTM A536, 65-45-12	
7	Drive Shaft	AISI 431	
8	O-Ring	NBR	EPDM
9	End Face Seal	EPDM	NBR

Note: For special material request other than standard specification, please indicate clearly on the inquiry or order list.

### SWITCH WIRING DIAGRAM



DN		Dimensions(mm)										
Inch	mm	A	B	C	L	H1	H	W	ISO5211	ΦE	ΦF	N-ΦM
2"	50	140.5	65	43	122.5	127	202.2	125	F07	70	90	4-Φ10
2.5"	65	153	71	46	122.5	127	202.2	125	F07	70	90	4-Φ10
3"	80	157.5	81	46	122.5	127	202.2	125	F07	70	90	4-Φ10
4"	100	176	95	52	122.5	127	202.2	125	F07	70	90	4-Φ10
5"	125	191	111	56	122.5	127	202.2	125	F07	70	90	4-Φ10
6"	150	202.5	133	56	122.5	139.5	215	225	F07	70	90	4-Φ10
8"	200	243.5	164	60	122.5	198.5	274	225	F10	102	125	4-Φ12
10"	250	273	196	68	122.5	198.5	274	225	F10	102	125	4-Φ12
12"	300	311	226	78	132	198.5	293.5	225	F10	102	125	4-Φ12



# HLXS.EX26413 - Butterfly Valves

## Butterfly Valves

[See General Information for Butterfly Valves](#)

**JINAN MEIDE CASTING CO LTD**  
 Meide Science and Technology Park  
 Pingyin Industrial Park  
 JINAN, SHANDONG 250400 CHINA

EX26413

Model	Size, NPS	Body Type	Pressure Rating, psig	Indicator Post	Supervisory Switch*
<b>Butterfly valve</b>					
D381X9-300	2,2.5,2.5(76.1mm),3,4,5,5(139.7mm),6,6(165.1mm) 8,10,12	Groove	300	N/A	N/A
D381X9-250			250		
D381X9-200			200		
D381X9-175			175		
D381X9-PN16			300		
D381X9-PN10			300		
D371X9-300			2,2.5,3,4,5,6 8		
D371X9-250	2,2.5,3,4,5,6 8,10,12	250			
D371X9-200		200			
D371X9-175		175			
D371X9-PN16		2,2.5,3,4,5,6 8	300		
	10,12		250		
D371X9-PN10	2,2.5,3,4,5,6 8	300			
		10,12	250		
D371X9-10K	2,2.5,3,4,5,6 8	300			
		10,12	250		

D371XL-175			175		
D371XL-PN16	2,2.5,3,4,5,6,8,10,12		363		
D371XL-PN10	2,2.5,3,4,5,6,8,10,12		363		
D371XL-10K	2,2.5,3,4,5,6,8,10,12		363		
XD381X-363	2,2.5,2.5(76.1mm),3,4,5,5(139.7mm),6,6(165.1mm) 8,10,12	Groove	363		I/O
XD381X-300			300		
XD381X-250			250		
XD381X-200			200		
XD381X-175			175		
XD381X-PN16			232		
XD371X-363	2,2.5,3,4,5,6 8,10,12	Wafer	363		
XD371X-300			300		
XD371X-250			250		
XD371X-200			200		
XD371X-175			175		
XD371X-PN16	2,2.5,3,4,5,6 8,10,12		363		
XD371X-PN10	2,2.5,3,4,5,6 8,10,12		363		
XD371X-10K	2,2.5,3,4,5,6 8,10,12		363		
XD371XL-363	2,2.5,3,4,5,6 8,10,12	Lug	363		
XD371XL-300			300		
XD371XL-250			250		
XD371XL-200			200		
XD371XL-175			175		
XD371XL-PN16	2,2.5,3,4,5,6 8,10,12		363		
XD371XL-PN10	2,2.5,3,4,5,6 8,10,12		363		
XD371XL-10K	2,2.5,3,4,5,6 8,10,12		363		
XD311X	1, 1-1/4, 1-1/2, 2	Threaded	175	N/A	I/O

XD371XLG-10K			363		
XD381XG-363	2,2.5,3,4,5,6 8,10,12	Groove	363	N/A	I/O
XD381XG-300			300		
XD381XG-250			250		
XD381XG-200			200		
XD381XG-175			175		
XD381XG-PN25			363		
XD381XG-PN16			363		
XD381XG-PN10			363		
XD381XG-10K			363		

Note: For model D371X9/XD371X9, D371XLV9/XD371XLV9, D381X9/XD381X9, the shaft material designation for groove end configuration is SS431, for wafer or lug end configuration is SS420.

For model D371X/XD371X/XD371XG, D371XL/XD371XL/XD371XLG, D381X/XD381X/XD381XG, the shaft material designation for groove end configuration is SS431.

For model XD381X4-C, the shaft material designation for groove end configuration is SS420.

For model XD381XC, the shaft material designation for groove end configuration is SS431.

For model D371XB/XD371XB, D371XLB/XD371XLB, D381XB/XD381XB, the shaft material designation for groove end configuration is SS420.

Model name with "First Letter D" means model with gear box but no micro-switches inside; Model name with "First Two Letters XD" means model with gear box with micro-switches inside.

Model D371X9/XD371X9 and D371X/XD371X series have wafer end configuration, model D371XLV9/XD371XLV9 and D371XL/XD371XL series have Lug end configuration, model D381X9/XD381X9 and D381X/XD381X/XD381X4-C/XD381XC series have groove end configurations.

**For wafer and lug butterfly valves**

, model name end with "-365/300/250/232/200/175" means connect with flange comply with ASME B16.5, class 150 and ASME B16.1, class 125; Model name end with "-PN16/PN10" means connect with flange comply with EN 1092, PN10/16; BS 10, D/E; AS 2129, D/E; Model name end with "-10K" means connect with flange comply with JIS B2220 10K and JIS B2239 10K. Wafer butterfly valves are of universal flange standard design; Lug butterfly valves can accommodate the different flange standards by modification on the drilling.

For Model XD381XC, model name end with "-PN25/PN16/PN10" means the rated pressure is 363psi/232psi/145psi.

\* I = Indoor installation; O = Outdoor installation

Trademark and/or Tradename: "MECH", "K", "PLUMNECT",  ,  , 



# Certificate of Compliance

This certificate is issued for the following:

## Indicating Butterfly Valves

**Models D371X, XD371X, D371XL, XD371XL**  
**Sizes 2, 2-1/2, 3, 4, 5, 6, 8, 10 and 12 inch NPS**

**Models D381X, XD381X**  
**Sizes 2, 2-1/2, 3, 4, 5, 6, 8, 10 and 12 inch NPS**  
**76.1, 139.7, 165.1 mm**

**Maximum Working Pressure: 300 psi (2070 kPa)**

### Prepared For:

Jinan Meide Casting Co., Ltd.  
No. 3 Nanmen Road  
Pingyin, Jinan Shandong 250400  
P. R. China

### Manufactured at:

Jinan Meide Casting Co., Ltd.  
No. 3 Nanmen Road  
Pingyin, Jinan Shandong 250400  
P. R. China

FM Approvals Class: 1112, dated August 2006

Approval Identification: 0003057467

Approval Granted: October 10, 2016

To verify the availability of the Approved product, please refer to [www.approvalguide.com](http://www.approvalguide.com)

Said Approval is subject to satisfactory field performance, continuing Surveillance Audits, and strict conformity to the constructions as shown in the Approval Guide, an online resource of FM Approvals.



*Member of the FM Global Group*

A handwritten signature in dark red ink, reading 'David B. Fuller'.

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