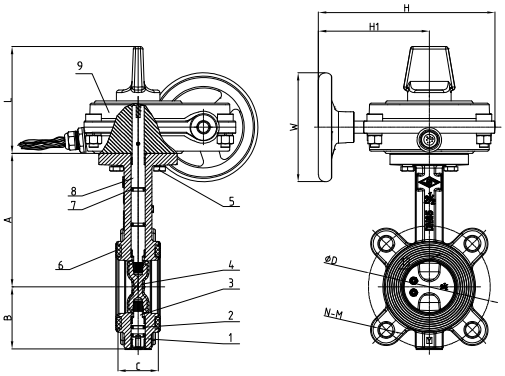
Lugged Wafer Butterfly Valve with Tamper Switch (XD371XL), UL/FM/VdS Approved

0C3073.7

XD371XL

RoHS NSF/ANSI 61 NSF/ANSI 372

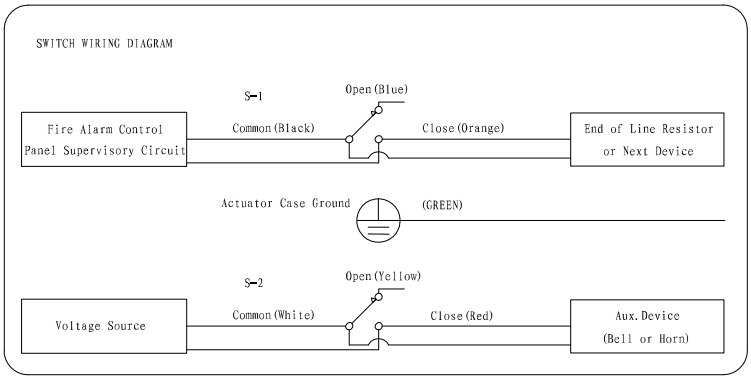
- Design Standard: MSS SP-67
- Top Flange Standard: ISO 5211
- Working Pressure: 300PSI/363PSI 175PSI,200PSI and 250PSI available upon request
- Temperature Range: 0℃ - 80℃
- Coating: Fusion Bonded Epoxy Coating in accordance with ANSI/AWWA C550
- Flange specification: ASME B16.42 CL150



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	End Face Seal	EPDM	NBR
7	O-Ring	NBR	EPDM
8	Drive Shaft	AISI 431	
9	Signal Gearbox	Body: ASTM A536,65-45-12	

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



DN		Dimensions(mm)									
Inch	mm	A	B	C	L	H1	H	ΦD	N-M	ΦW	ISO5211
2"	50	140.5	65	43	122.5	127	202.2	120.7	4-5/8	125	F07
2.5"	65	153	71	46	122.5	127	202.2	139.7	4-5/8	125	F07
3"	80	157.5	81	46	122.5	127	202.2	152.4	4-5/8	125	F07
4"	100	176	95	52	122.5	127	202.2	190.5	8-5/8	125	F07
5"	125	191	111	56	122.5	127	202.2	215.9	8-3/4	125	F07
6"	150	202.5	133	56	122.5	139.5	215	241.3	8-3/4	225	F07
8"	200	243.5	164	60	122.5	198.5	274	298.5	8-3/4	225	F10
10"	250	273	196	68	122.5	198.5	274	362	12-7/8/	225	F10
12"	300	311	226	78	132.0	198.5	293.5	431.8	12-7/8	225	F10

UL Product iQ™

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*
Butterfly valve					
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	Wafer	300		
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		

D371XLV9-300	2,2.5,3,4,5,6 8	Lug	300		
D371XLV9-250	2,2.5,3,4,5,6 8,10,12		250		
D371XLV9-200			200		
D371XLV9-175			175		
D371XLV9-PN16	2,2.5,3,4,5,6 8		300		
	10,12		250		
D371XLV9-PN10	2,2.5,3,4,5,6 8		300		
	10,12		250		
D371XLV9-10K	2,2.5,3,4,5,6 8		300		
	10,12		250		
XD381X9-300	2,2.5,2.5(76.1mm) ,3,4,5,5(139.7mm) ,6,6(165.1mm) 8,10,12	Groove	300	I/O	
XD381X9-250			250		
XD381X9-200			200		
XD381X9-175			175		
XD381X9-PN16			300		
XD381X9-PN10			300		
XD371X9-300	2,2.5,3,4,5,6 8	Wafer	300		
XD371X9-250	2,2.5,3,4,5,6 8,10,12		250		
XD371X9-200			200		
XD371X9-175			175		
XD371X9-PN16	2,2.5,3,4,5,6 8		300		
	10,12		250		
XD371X9-PN10	2,2.5,3,4,5,6 8		300		
	10,12		250		
XD371X9-10K	2,2.5,3,4,5,6 8		300		
	10,12		250		

XD371XLV9-300	2,2.5,3,4,5,6 8	Lug	300		
XD371XLV9-250	2,2.5,3,4,5,6 8,10,12		250		
XD371XLV9-200			200		
XD371XLV9-175			175		
XD371XLV9-PN16	2,2.5,3,4,5,6 8		300		
	10,12		250		
XD371XLV9-PN10	2,2.5,3,4,5,6 8		300		
	10,12		250		
XD371XLV9-10K	2,2.5,3,4,5,6 8		300		
	10,12		250		
D381X-363	2,2.5,2.5(76.1mm),3,4,5,5(139.7mm),6,6(165.1mm) 8,10,12	Groove	363	N/A	N/A
D381X-300			300		
D381X-250			250		
D381X-200			200		
D381X-175			175		
D381X-PN16			232		
D371X-363	2,2.5,3,4,5,6 8,10,12	Wafer	363		
D371X-300			300		
D371X-250			250		
D371X-200			200		
D371X-175			175		
D371X-PN16	2,2.5,3,4,5,6 8,10,12		363		
D371X-PN10	2,2.5,3,4,5,6 8,10,12		363		
D371X-10K	2,2.5,3,4,5,6 8,10,12		363		
D371XL-363	2,2.5,3,4,5,6 8,10,12	Lug	363		
D371XL-300			300		
D371XL-250			250		
D371XL-200			200		

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

XD381X4-C	2,2.5,2.5(76.1mm)	Groove	175	N/A	I/O
			200		
D381X80-300	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
D381X80-250			250		
D381X80-200			200		
D381X80-175			175		
D381X80-PN10	2,2.5,2.5(76.1mm), 3,4,5,5(139.7mm), 6,6(165.1mm), 8,10,12		300		
			250		
			200		
			175		
D381X80-PN16	2,2.5,2.5(76.1mm), 3,4,5,5(139.7mm), 6,6(165.1mm), 8,10,12		300		
			250		
			200		
			175		
D381X80-PN25	2,2.5,2.5(76.1mm), 3,4,5,5(139.7mm), 6,6(165.1mm), 8,10,12		300		
			250		
			200		
			175		
D371XL80-300	2,2.5,3,4,5,6,8,10,12	Lug	300	N/A	N/A
D371XL80-250			250		
D371XL80-200			200		
D371XL80-175			175		
D371XL80-PN10	2,2.5,3,4,5,6,8,10,12		300		
			250		
			200		
			175		
D371XL80-PN16	2,2.5,3,4,5,6,8,10,12		300		
			250		
			200		
			175		
D371XL80-PN25	2,2.5,3,4,5,6,8,10,12		300		

			250		
			200		
			175		
D371X80-300	2,2.5,3,4,5,6,8,10,12	Wafer	300	N/A	N/A
D371X80-250			250		
D371X80-200			200		
D371X80-175			175		
D371X80-PN10	2,2.5,3,4,5,6,8,10,12		300		
			250		
			200		
			175		
D371X80-PN16	2,2.5,3,4,5,6,8,10,12		300		
			250		
			200		
			175		
D371X80-PN25	2,2.5,3,4,5,6,8,10,12		300		
			250		
			200		
			175		
XD381XC-365	2,2.5,3,4,6,8,10,12	Groove	365	N/A	I/O
XD381XC-300			300		
XD381XC-250			250		
XD381XC-200			200		
XD381XC-175			175		
XD381XC-PN25			363		
XD381XC-PN16			232		
XD381XC-PN10			145		
D371XB-363	2,2.5,3,4,5,6 8,10,12	Wafer	363	N/A	N/A
D371XB-300			300		

D371XB-250			250		
D371XB-200			200		
D371XB-175			175		
D371XB-PN25			363		
D371XB-PN16			363		
D371XB-PN10			363		
D371XB-10K			363		
D371XLB-363	2,2.5,3,4,5,6 8,10,12	Lug	363	N/A	N/A
D371XLB-300			300		
D371XLB-250			250		
D371XLB-200			200		
D371XLB-PN25			363		
D371XLB-PN16			363		
D371XLB-PN10			363		
D371XLB-10K			363		
D381XB-363	2,2.5,2.5(76.1mm),3,4,5,5(139.7mm),6,6(165.1mm) 8,10,12	Groove	363	N/A	N/A
D381XB-300			300		
D381XB-250			250		
D381XB-200			200		
D381XB-175			175		
D381XB-PN25			363		
D381XB-PN16			363		
D381XB-PN10			363		
D381XB-10K			363		
XD371XB-363	2,2.5,3,4,5,6 8,10,12	Wafer	363	N/A	N/A
XD371XB-300			300		

XD371XB-250			250		
XD371XB-200			200		
XD371XB-175			175		
XD371XB-PN25			363		
XD371XB-PN16			363		
XD371XB-PN10			363		
XD371XB-10K			363		
XD371XLB-363	2,2.5,3,4,5,6 8,10,12	Lug	363	N/A	N/A
XD371XLB-300			300		
XD371XLB-250			250		
XD371XLB-200			200		
XD371XLB-175			175		
XD371XLB-PN25			363		
XD371XLB-PN16			363		
XD371XLB-PN10			363		
XD371XLB-10K			363		
XD381XB-363	2,2.5,2.5(76.1mm),3,4,5,5(139.7mm),6,6(165.1mm) 8,10,12	Groove	363	N/A	I/O
XD381XB-300			300		
XD381XB-250			250		
XD381XB-200			200		
XD381XB-175			175		

XD381XB-PN25			363		
XD381XB-PN16			363		
XD381XB-PN10			363		
XD381XB-10K			363		
XD371XG-363	2,2.5,3,4,5,6 8,10,12	Wafer	363	N/A	N/A
XD371XG-300			300		
XD371XG-250			250		
XD371XG-200			200		
XD371XG-175			175		
XD371XG-PN25			363		
XD371XG-PN16			363		
XD371XG-PN10			363		
XD371XG-10K			363		
XD371XLG-363	2,2.5,3,4,5,6 8,10,12	Lug	363	N/A	N/A
XD371XLG-300			300		
XD371XLG-250			250		
XD371XLG-200			200		
XD371XLG-175			175		
XD371XLG-PN25			363		
XD371XLG-PN16			363		
XD371XLG-PN10			363		

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",  , , 

Last Updated on 2020-09-24

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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

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.

David B. Fuller
AVP – Manager, Fire Protection
FM Approvals
1151 Boston-Providence Turnpike
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