



MZ73X Bi-directional Seal Knife Gate Valve



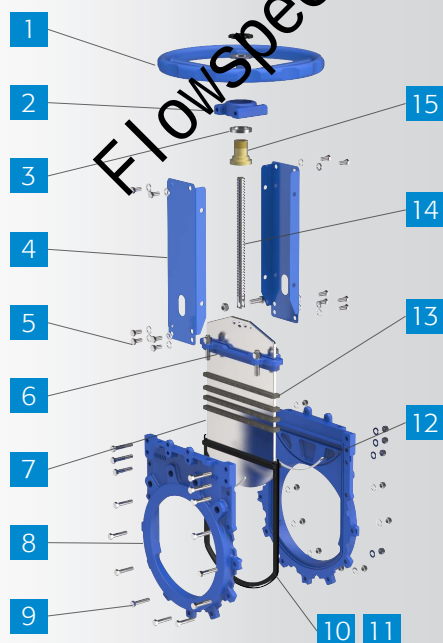
Model: MZ73X-10
Working Pressure: DN50-DN200 16bar
DN250-DN400 10bar
DN450-DN600 8bar
DN650-DN2000 6bar
DN2200-DN3000 4bar
Type: Wafer, Lug, Flange
Design Standard: MSS SP-81
Flange Standard: DIN PN10, PN16, 150LB, JIS 10K, TABLE E/D
Face to Face: MSS SP-81
Testing Standard: API-598
Operation: handwheel, electric, pneumatic, hydraulic, sprocket, electro-hydraulic, gear
Main material: WCB, F55, F53, 2205, CF3M, CF8M, CF8
Wedge material: F55, F53, 2205, SS310, SS316L, SS316, SS304
Sealing material: NBR, EPDM
Packing: high-water-based rubber packing graphite wheel
Applicable medium: coal, power plant, slag discharge, sewage treatment, food, paper making, medicine, petroleum and chemical industry, water, oil, steam, connecting or cutting grout, gold powder, ores, slag, coal, pulp, wood pulp, tailings, fibers, dust, chemicals, sewage treatment, sedimentation tanks, asphalt, bunker export, cereals, slaughter plant waste and other media.

Features:

- # Bi-directional seal
- # 2PC body design
- # Full port design
- # Fluid without retention in valve body
- # 2PC strong yoke design
- # Mixed with a variety of materials packing

Product Description:

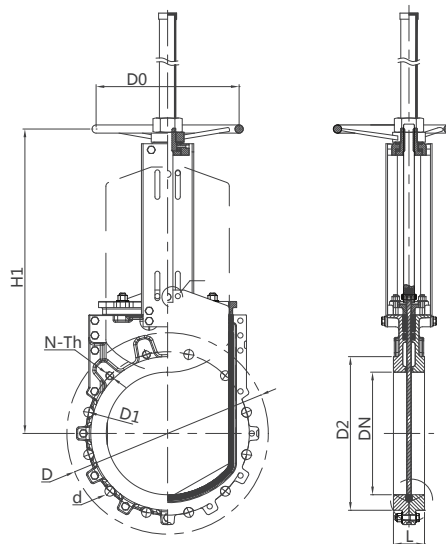
MZ73X series non groove bi-directional seal knife gate valve, cast iron body with all structure knife gate valve, including valve body, gate, and U-shaped flexible seal at the bottom of the body with grooves. When the valve is closed, the bottom of the gate edge contacts with the seal and then compress the seal into the groove in the body, achieving in knife gate valve sealing; when the gate opens, separate gate from the bottom edge of the seal, seal will bounce to same level as groove, which will prevent the media sediment from being accumulated in the body cavity of the groove, with no clogging or no residue, pipe easy to clean, so as to effectively improve the knife gate valve sealing effect to prevent leakage when the valve is closed.



Code	Name	Material	QTY
1*	Hand wheel	Malleable Steel	1
2	Handle Bracket	GGG40	1
3	Bearing	ZChSnSb10-6	2
4	Yoke	Q235	2
5	Bolt & Nut	SS201/SS304	N
6	packing Gland	GGG40/CF8	1
7	Gate Disc	2Cr13/SS304/SS316/SS2205/F55	1
8	Body	F55,F53,CF3M,CF8M,CF8,WCB,GGG40	2
9	Bolt	SS201/SS304	N
10	Seat	EPDM/NBR/FKM	1
11	Body Sealing	FKM	1
12	Scraper	PTFE	2
13	Packing	PTFE+EPDM	3-5
14	Stem	Q235/SS304	1
15	Stem Nut	Brass	1

*electric, pneumatic, hydraulic, sprocket, electro-hydraulic, gear **available**

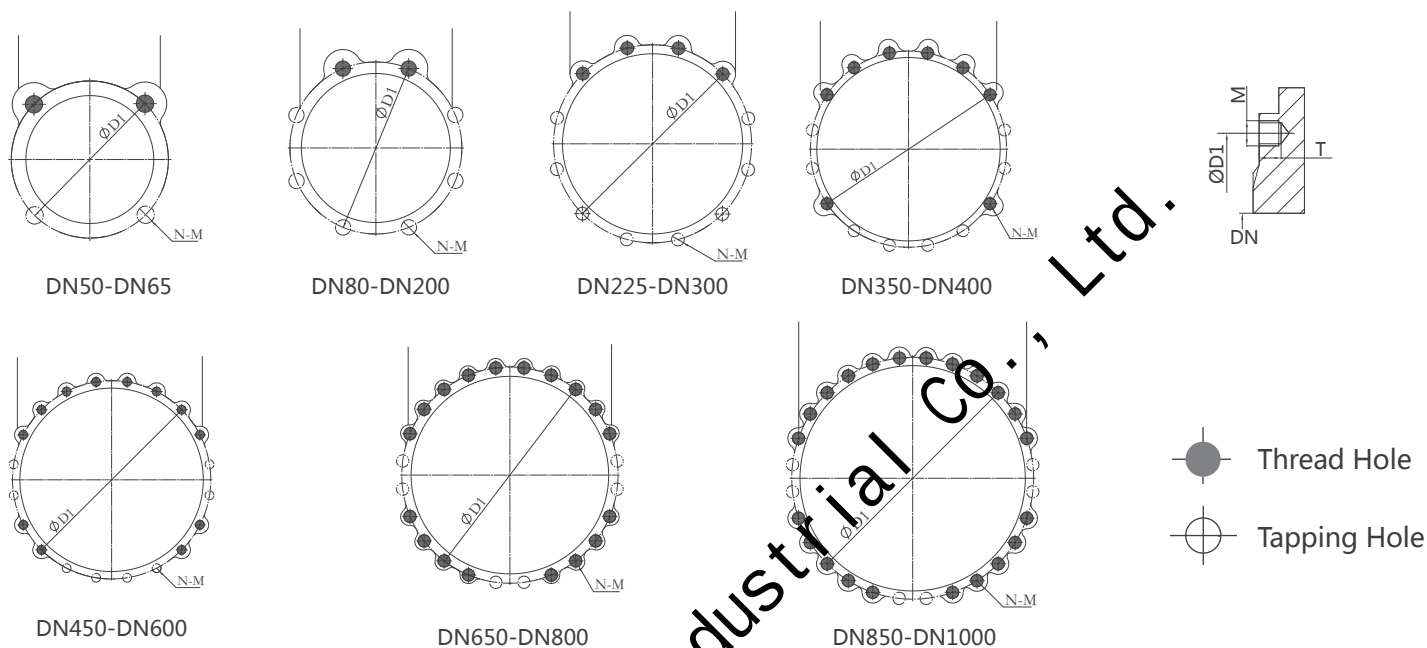
Dimension



unit:mm

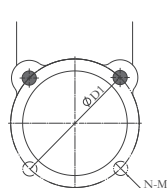
DIN2632 PN10									ANSI 150LB								
DN	L	D	D1	D2	D0	N-Th	d	H1	DN	L	D	D1	D2	D0	N-Th	d	H1
50	48	165	125	99	180	4-M16	Ø18	265	50	48	152	121	92	180	4-5/8"	Ø19	260
65	48	185	145	118	200	4-M16	Ø18	290	65	48	178	140	105	200	4-5/8"	Ø19	292
80	51	200	160	132	200	8-M16	Ø18	330	80	51	191	153	127	200	4-5/8"	Ø19	320
100	51	220	180	156	240	8-M16	Ø18	360	100	51	229	191	157	240	8-5/8"	Ø19	358
125	57	250	210	184	260	8-M16	Ø18	400	125	57	254	216	186	260	8-3/4"	Ø22	395
150	57	285	240	211	280	8-M16	Ø23	450	150	57	279	242	216	280	8-3/4"	Ø22	450
200	70	340	295	266	300	8-M20	Ø23	530	200	70	343	299	270	300	8-3/4"	Ø22	532
250	70	395	350	319	320	12-M20	Ø23	595	250	70	406	362	324	320	12-7/8"	Ø25	670
300	76	445	400	370	360	12-M20	Ø23	660	300	76	483	432	381	350	12-7/8"	Ø25	758
350	76	505	460	429	400	16-M20	Ø23	760	350	76	533	476	413	400	12-1"	Ø29	857
400	89	565	515	485	450	16-M24	Ø27	850	400	89	597	540	470	450	16-1"	Ø29	946
450	89	615	565	535	500	20-M24	Ø27	940	450	89	635	578	533	500	16-1 1/8"	Ø32	1023
500	114	670	620	582	500	20-M24	Ø27	1050	500	114	699	635	584	500	20-1 1/8"	Ø32	Gear
550	114	725	680	638	-	20-M27	Ø30	Gear	550	114	750	692	641	-	20-1 1/4"	Ø35	Gear
600	114	780	725	682	-	20-M27	Ø30	Gear	600	114	813	750	691	-	20-1 1/4"	Ø35	Gear
700	127	895	840	794	-	24-M27	Ø30	Gear	700	127	870	806	749	-	24-1 1/4"	Ø35	Gear
800	127	1015	950	901	-	24-M27	Ø30	Gear	800	127	927	864	800	-	28-1 1/4"	Ø35	Gear
900	127	1115	1050	1001	-	24-M30	Ø30	Gear	900	127	985	914	857	-	28-1 1/4"	Ø35	Gear
1000	149	1230	1160	1112	-	28-M30	Ø30	Gear	1000	127	1060	978	914	-	28-1 1/2"	Ø41	Gear
1100	149	1340	1260	1220	-	28-M30	Ø30	Gear	1100	127	1110	1029	965	-	32-1 1/2"	Ø41	Gear
1200	156	1455	1380	1328	-	28-M33	Ø30	Gear	1200	149	1170	1086	1022	-	32-1 1/2"	Ø41	Gear
1350	171	1630	1540	1480	-	32-M36	Ø30	Gear	1350	149	1240	1149	1073	-	32-1 1/2"	Ø41	Gear
1400	171	1675	1590	1530	-	32-M36	Ø30	Gear	1400	149	1290	1200	1124	-	36-1 1/2"	Ø41	Gear
1500	198	1795	1705	1640	-	36-M39	Ø30	Gear	1500	171	1345	1257	1194	-	36-1 1/2"	Ø41	Gear
1600	198	1915	1820	1750	-	36-M39	Ø30	Gear	1600	149	1405	1314	1245	-	40-1 1/2"	Ø41	Gear
1800	219	2115	2020	1950	-	40-M39	Ø30	Gear	1800	156	1455	1365	1295	-	40-1 1/2"	Ø41	Gear
2000	250	2325	2230	2150	-	40-M39	Ø30	Gear	1800	156	1510	1422	1359	-	44-1 1/2"	Ø41	Gear
						44-M45	Ø30	Gear	2000	156	1570	1480	1410	-	44-1 3/4"	Ø51	Gear
						44-M45	Ø30	Gear	1600	171	1625	1537	1461	-	44-1 3/4"	Ø51	Gear
						48-M45	Ø30	Gear	1800	171	1685	1594	1511	-	44-1 3/4"	Ø51	Gear
						48-M45	Ø30	Gear	2000	171	1745	1651	1575	-	48-1 3/4"	Ø51	Gear

PN10 Threaded hole and Tapping hole

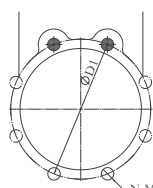


DN	D	N	PN10		Thread Hole	Tapping Hole
			M	T		
50	125	4	M16	13	2	2
65	145	4	M16	13	2	2
80	160	8	M16	13	2	6
100	180	8	M16	13	2	6
125	210	8	M16	16	2	6
150	240	8	M16	16	2	6
200	295	8	M20	20	2	6
225	310	12	M20	20	4	8
250	350	12	M20	20	4	8
300	400	12	M20	20	4	8
350	460	16	M20	20	8	8
400	515	16	M24	24	8	8
450	565	20	M24	24	12	8
500	620	20	M24	24	12	8
550	680	20	M27	24	12	8
600	725	20	M27	27	12	8
700	840	24	M27	27	18	6
800	950	24	M30	30	18	6
900	1050	28	M30	30	22	6
1000	1160	28	M33	33	22	6

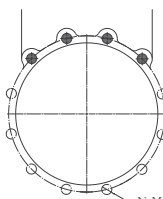
150LB Threaded hole and Tapping hole



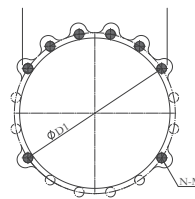
DN50-DN80



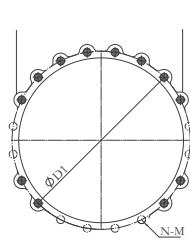
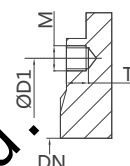
DN100-DN200



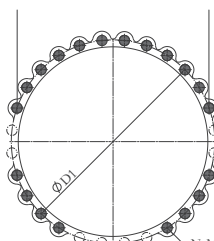
DN250-DN350



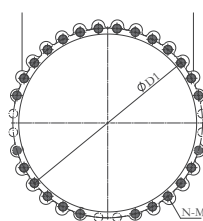
DN400-DN450



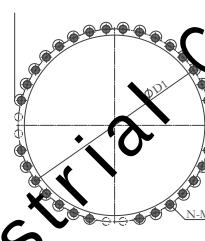
DN500-DN600



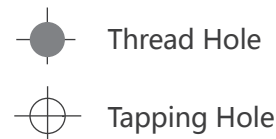
DN700-DN800



DN850-DN900



DN1000



DN	D1	N	ANSI 150LB M	T	Thread Hole	Tapping Hole
2"(DN50)	121	4	M5/8-11	13	2	2
2-1/2"(DN65)	140	4	M5/8-11	13	2	2
3"(DN80)	153	4	M5/8-11	13	2	2
4"(DN100)	191	8	M5/8-11	13	2	6
5"(DN125)	216	8	M3/4-10	16	2	6
6"(DN150)	242	8	M3/4-10	16	2	6
8"(DN200)	289	8	M3/4-10	20	2	6
10"(DN250)	362	12	M7/8-9	20	4	8
12"(DN300)	432	12	M7/8-9	20	4	8
14"(DN350)	476	12	M1-8	20	6	6
16"(DN400)	540	16	M1-8	24	8	8
18"(DN450)	578	16	M1 1/8-7	24	8	8
20"(DN500)	635	20	M1 1/8-7	24	12	8
22"(DN550)	692	20	M1 1/4-7	24	12	8
24"(DN600)	750	20	M1 1/4-7	27	12	8
28"(DN700)	864	28	M1 1/4-7	27	20	8
30"(DN750)	914	28	M1 1/4-7	27	20	8
32"(DN800)	978	28	M1 1/2-6	30	20	8
34"(DN850)	1029	32	M1 1/2-6	30	26	6
36"(DN900)	1086	32	M1 1/2-6	30	26	6
40"(DN1000)	1200	36	M1 1/2-6	33	30	6
40"(DN1000)	1200	36	M1 1/2-6	33	30	6