

Pneumatic Operation

Pneumatic Air Cylinder

Uni-directional Knife Gate Valve Lug Type

• Seat Design

Basic: Inner Seat Ring Type

High Performance: Outer Seat Ring

• Size

2" - 24"

• Pressure Rating

CLASS 150

• Body Material

DI / CF8M

• End Connection Class 150

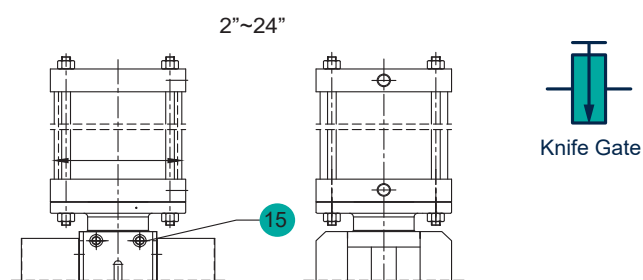
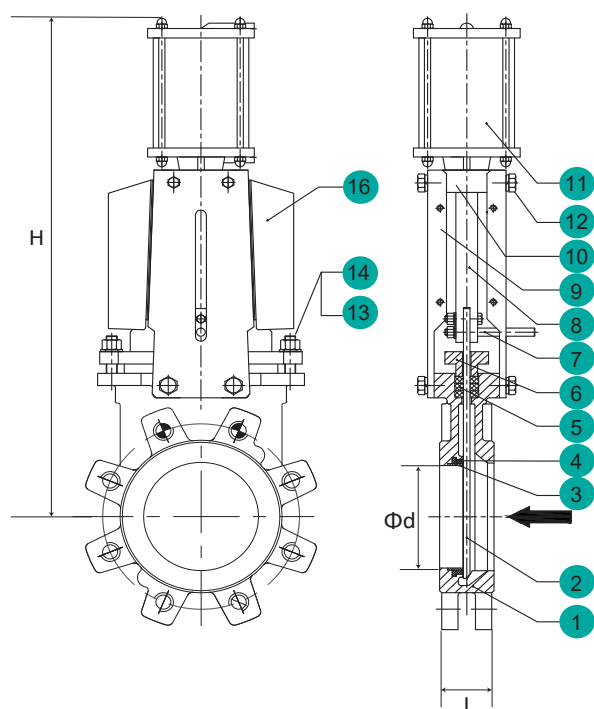
Lug Type

• Temperature Range

-20°C to 120°C with VITON seat

• Standards and Specifications

Design and test standard according to MSS-SP81



NO	PART NAME	MATERIAL
1	BODY	DI / CF8M
2	GATE	SS 304
3	RETAINER RING	SS 304
4	SEAT	EPDM
5	PACKING	PTFE
6	GLAND	ASTM A216 WCB/D.I.
7	POSITION INDICATOR	ASTM A276 420
8	STEM	ANSI 1045+Cr
9	SUPPORT YOKE	ASTM A36
10	YOKE	ASTM A216 WCB
11	CYLINDER	COMBINATION
12	UPPER YOKE BOLT	A2-70 (A193 B8)
13	GLAND STUD	ASTM A193 B8
14	GLAND NUT	ASTM A194 B
15	UPPER YOKE BOLT	AISI 1035
16	SAFETY COVER	SS 304

Unit (mm)

NPS	Φd	L	ΦCylinder	H
2	50	48	80	430
2-1/2	65	48	80	460
3	80	51	80	510
4	100	51	100	570
5	125	57	125	660
6	150	57	125	720
8	200	70	160	890
10	250	70	200	1120
12	300	76	200	1230
14	336	76	250	1370
16	385	89	250	1570
18	438	89	250	1720
20	489	114	250	1850
24	570	114	-	2150

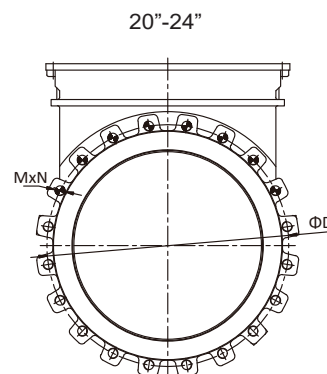
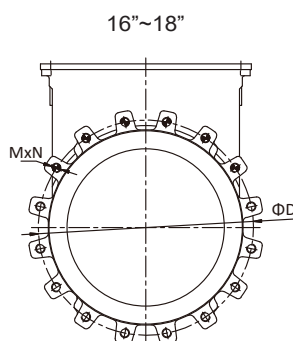
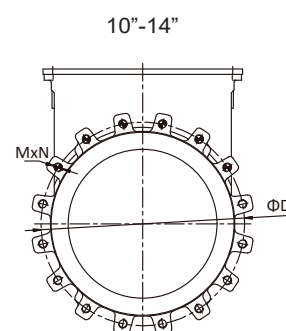
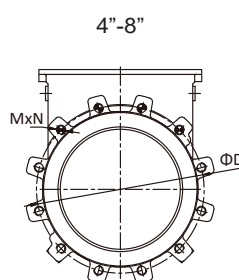
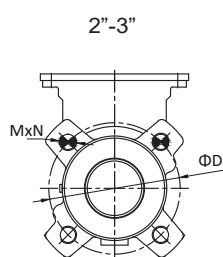
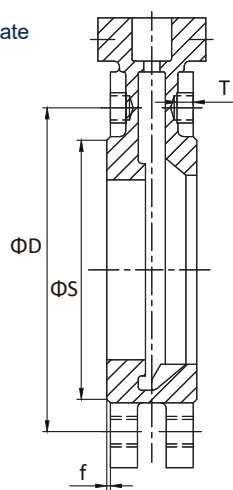
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Lug Type

● Flange and Bolting Dimensions



Unit (mm)

NPS	ΦD (PCD)	ΦS	f	M x N	T
2	120.7	92.1	2	5/8" - 11 x 4	8
2-1/2	139.7	104.8	2	5/8" - 11 x 4	8
3	152.4	127.0	2	5/8" - 11 x 4	8
4	190.5	157.0	2	5/8" - 11 x 8	9
5	215.9	186.0	2	3/4" - 10 x 8	9
6	241.3	215.9	2	3/4" - 10 x 8	9
8	298.5	270.0	2	3/4" - 10 x 8	12
10	362.0	323.8	2	7/8" - 9 x 12	12
12	431.8	381.0	2	7/8" - 9 x 12	12
14	476.3	412.8	2	1" - 8 x 12	14
16	539.8	469.9	2	1" - 8 x 16	15
18	578.0	533.4	2	1" - 1/8 - 7 x 16	15
20	635.0	584.0	2	1" - 1/8 - 7 x 20	23
24	749.3	692.0	2	1" - 1/4 - 7 x 20	23