



Type: Wafer, Lugged
Face to Face: API609, BS EN 558, DIN3202, ISO 5752
Flange: DIN, BS, UNI, ISO, ANSI, AS, JIS
Mounting Flange: ISO5211

Working Pressure: PN10 (150PSI)
Application: Chemical/Petrochemical/Processing, Power and Utilities, Paper and Pulp, Food & Beverage, Pharmaceutical

Bushings (4)

Shaft bushings reduce torque and isolate the shaft from the valve body, preventing seizure of the shaft due to corrosion in the shaft journal.

Shaft

The shaft which consist of lower and upper shaft connection by screw thread, ensures dependability and positive disc positioning.

PTFE Seat

Pure PTFE seat min. 5mm thickness can resist heavy corrosive flow media.

Disc and Shaft Connection

The square connection eliminates shaft retention components being exposed to the line media. Maximum flow is achieved.

Mounting Flange

ISO 5211 mounting flange accommodates direct mounting of all types of actuators, including: handles, gear operators, electric and pneumatic.

O-Ring (1)

Shaft seal provides further assurance against shaft leakage.

Flats & Groove Seal

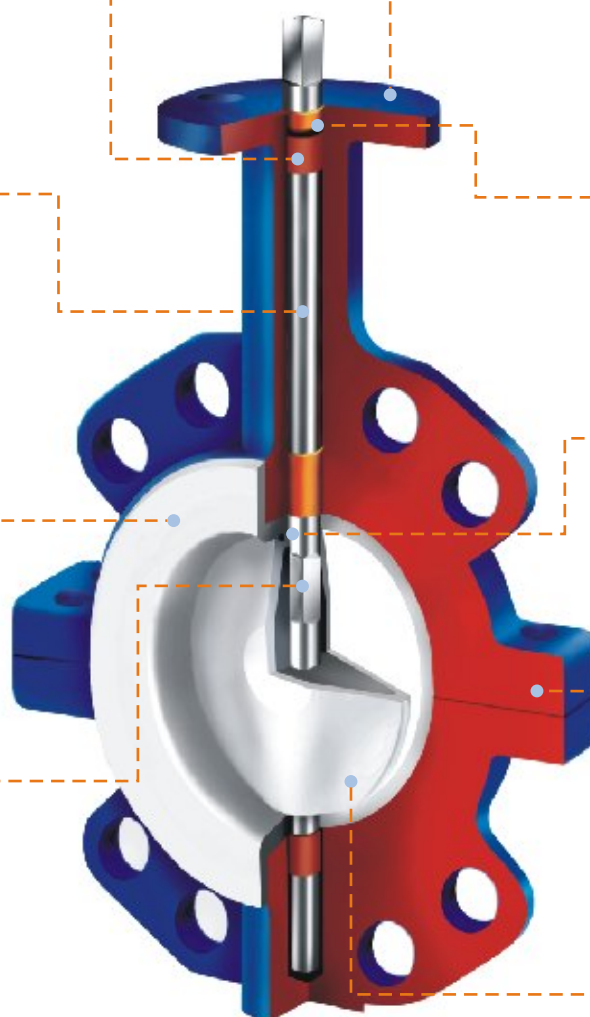
Smooth finished disc flats mate with seat flats and a raised ring on disc top and bottom tightly inserted to a groove on the seat which prevents leakage into the shaft area.

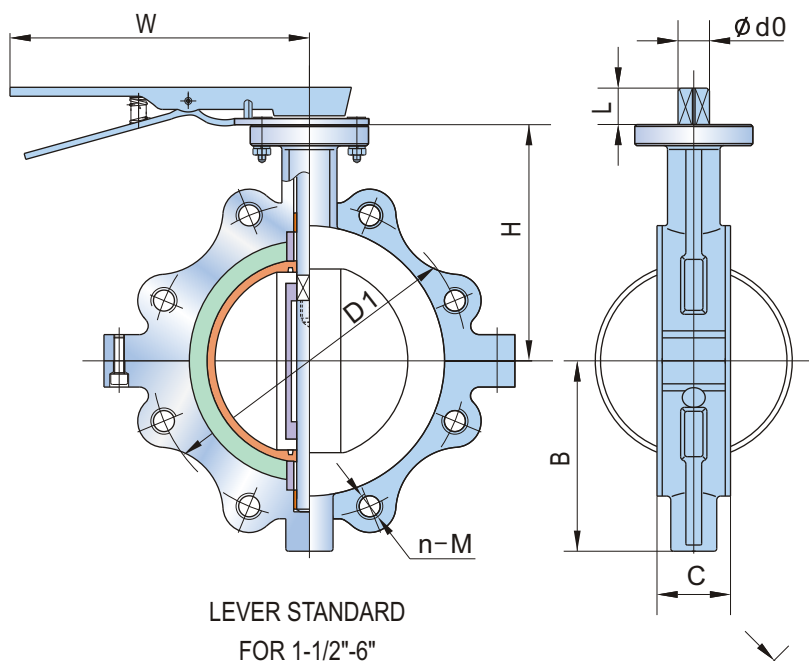
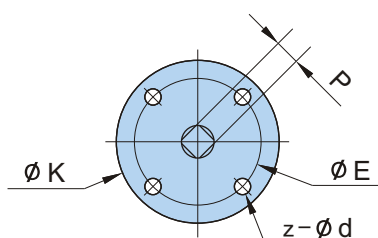
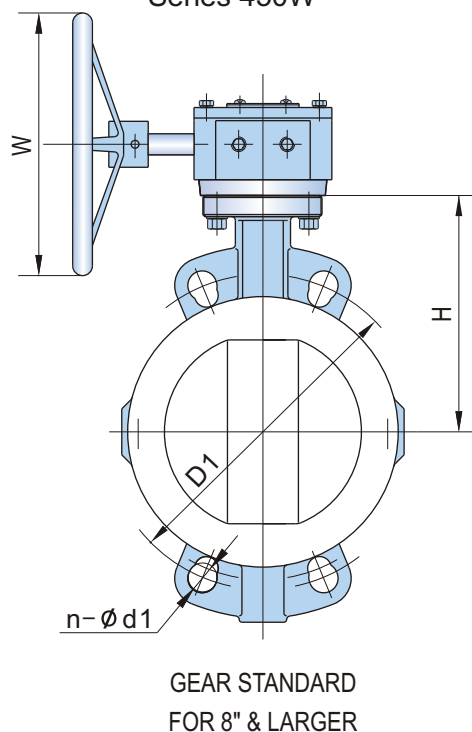
Two Piece Body

Two piece body allows for ease of assembly and maintenance.

Disc

Stainless steel or stainless steel PTFE (min. Thickness 6mm) coated disc prevents chemical corrosion from flow media. Precision profile provides bubble-tight shut-off, assures minimum torque and longer seat life.




LUG TYPE
Series 450L

WAFER TYPE
Series 450W


STANDARD MATERIALS OF MAIN PARTS

ITEM	PART NAME	MATERIAL
1	Body	Ductile Iron, Carbon Steel, Stainless Steel
2	Lower Shaft	Stainless Steel 316
3	Seat	PTFE
4	Disc	CF8M+PTFE
5	O Ring	Viton
6	Upper Shaft	Stainless Steel 316
7	Lever	Malleable Iron
8	Gear	Component

DIMENSIONS AND WEIGHTS

SIZE		C	B	H	W	L	d0	P	UPPER FLANGE			ANSI 150			DIN PN10/16			Weight (kg)	
in	DN								K	E	z-d	D1	n-d1	M	D1	n-d1	M	Wafer	Lug
1-1/2	40	33	73	128	270	32	12.6	9	77	50	4-7	98.5	4-15	1/2"	110	4-18	M16	2.2	3.7
2	50	43	73	135	270	32	14.3	11	90	70	4-9	120.5	4-19	5/8"	125	4-18	M16	3.0	4.2
2-1/2	65	46	80	135	270	32	14.3	11	90	70	4-9	139.5	4-19	5/8"	145	4-18	M16	3.0	4.2
3	80	46	90	138	270	32	14.3	11	90	70	4-9	152.5	4-19	5/8"	160	4-18	M16	3.5	4.5
4	100	52	116	158	270	32	15.77	11	90	70	4-9	190.5	8-19	5/8"	180	8-18	M16	4.8	7.8
5	125	56	130	175	270	32	18.92	14	90	70	4-9	216	8-22	3/4"	210	8-18	M16	6.8	10.8
6	150	56	148	188	270	32	18.92	14	90	70	4-9	241.5	8-22	3/4"	240	8-23	M20	8.0	13.8
8	200	60	180	230	300	45	22.1	17	125	102	4-12	298.5	8-22	3/4"	295	8-12-23	M20	24.8	32.5
10	250	68	220	270	300	45	28.45	22	125	102	4-12	362	12-25	7/8"	350/355	12-23/27	M24/M24	30.8	43.2
12	300	78	255	300	300	45	31.6	22	140	102	4-12	432	12-25	7/8"	400/410	12-23/27	M24/M24	44.0	55.0

NOTE: 1. Standard actuation is 1-1/2"- 6" with lever , 8"-12" with gear.
2. Shaft head types of double D head and round with key are optional.