

### Product Description

- Fire safety butterfly valve adopts the midline design.
- The main structure of the valve is composed of valve body, valve disc, valve seat, valve stem and transmission operating mechanism.
- The valve seat adopts detachable structure, transmission mechanism sub-handle, worm gear and worm Three types of signal and signal, suitable for fire sprinkler system water pipes, used for throttling or regulating flow, in which the signal valve is set on the switch position of the worm and is suitable for fire sprinkler systems.
- The valve seat adopts detaching design to facilitate on-site maintenance, and adopts the whole basin design, which is not easily blocked by impurities. The joint "O" sealing lines at both ends make the pipeline installation without the need of additional gaskets to maintain a reliable seal, and can be used according to different Requires different materials.
- The axle pin adopts the U.S. patented design of the withdrawal and withdrawal pin structure, which can tightly connect the valve flap shaft together without loosening and weakening the strength of the shaft and having good interchangeability.
- The operation structure is flexible and can be used to configure different rotation devices such as handles, worm gears and worm gears. The worm and worm gear can also be equipped with signal devices.



### Main Specification

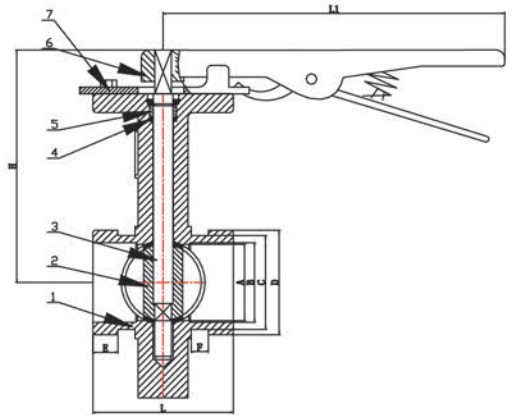
Nominal Size	Operated Type	Work Pressure	Work Temperature	Seal/Seat Material	Disc Material	Body Material	Medium	Application	Connection Standard
DN50	Pneumatic Actuator	1.0Mpa	-10°C-80°C	PTFE	EPDM	Ductile Iron	Water Oil Gas	Water Drainage Building Fire	PN10/PN16
↓	Electric Actuator	1.6Mpa		EPDM	PTFE	Cast Steel			ANSI150
	Manual Hand Lever	2.5Mpa							DIN16
300	Worm Gear						JIS10K/16K		

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## FIRE SAFETY BUTTERFLY VALVE



### Manual Handle Lever Operated

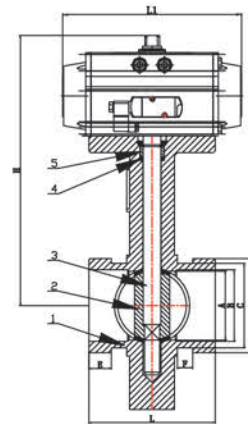


#### ■ Dimensions

unit: mm

Size		A	B	C	D	E	F	L	H	L1	WT (kg)
DN	NPS										
50	2"	48.8	50	60.3	67	16	11	90	145	220	-
65	2½"	59.8	61	69.1	73	16	11	97	151.5	220	-
80	3"	79.1	78	88.9	97	16	11	97	157.5	220	-
100	4"	99	101	114.3	122.5	16	11	116	176	260	-
125	5"	123.8	127	137	141.3	16	11	134	199.5	260	-
150	6"	146.8	150	165	175	16	11	134	211	260	-
200	8"	198.8	202	219	232	20.5	11	148	-	-	-
250	10"	248.8	253	278	286	20.5	11	160	-	-	-
300	12"	298.8	303	323.9	336.5	20.5	11	166	-	-	-

### Pneumatic Actuator Operated

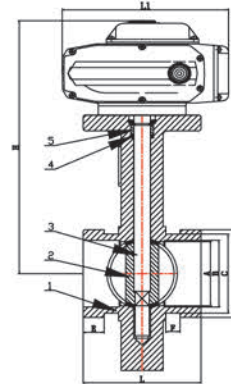


#### ■ Dimensions

unit: mm

Size		A	B	C	D	E	F	L	H	L1	WT (kg)
DN	NPS										
50	2"	48.8	50	60.3	67	16	11	90	208.5	139.5	-
65	2½"	59.8	61	69.1	73	16	11	97	226	162	-
80	3"	79.1	78	88.9	97	16	11	97	232	162	-
100	4"	99	101	114.3	122.5	16	11	116	368	207	-
125	5"	123.8	127	137	141.3	16	11	134	300	237.5	-
150	6"	146.8	150	165	175	16	11	134	324.5	271.5	-
200	8"	198.8	202	219	232	20.5	11	148	377	328	-
250	10"	248.8	253	278	286	20.5	11	160	433.5	366	-
300	12"	298.8	303	323.9	336.5	20.5	11	166	481	428	-

## Electric Actuator Operated



unit: mm

### Dimensions

Size		A	B	C	D	E	F	L	H	L1	WT (kg)
DN	NPS										
50	2"	48.8	50	60.3	67	16	11	90	256.5	165	-
65	2½"	59.8	61	69.1	73	16	11	97	263	165	-
80	3"	79.1	78	88.9	97	16	11	97	269	165	-
100	4"	99	101	114.3	122.5	16	11	116	319.5	211.5	-
125	5"	123.8	127	137	141.3	16	11	134	340	211.5	-
150	6"	146.8	150	165	175	16	11	134	388	259	-
200	8"	198.8	202	219	232	20.5	11	148	408.4	259	-
250	10"	248.8	253	278	286	20.5	11	160	453	259	-
300	12"	298.8	303	323.9	336.5	20.5	11	166	467.5	283.5	-

## Technical Material List

APPLICABLE STANDARDS & TECHNICAL NOTES:							
DESIGN CODE		API609		END STANDARD		ANSI 150#/JIS 10K	
INSPECTION&TEST		API598		FACE TO FACE		API609	
NO.	PARTS NAME	MATERIAL	QTY	NO.	PARTS NAEM	MATERIAL	QTY
1	BODY	DI/WCB/CF8/CF8M	1	6	LEVER	MALLEBLE IRON	1
2	DISC	WCB/DI+NYLON/CF8/CF8M	1	7	INDICATOR	CARBON STEEL	1
3	SHAFT	SS410	1	8	HANDWHEEL	EPDM	1
4	BUSHING	PTFE	1	9	GEAR	CAST IRON	1
5	X-RING	EPDM	1				
TEST PRESSURE							
		SHELL		SEAL			
HYDROSTATIC		24/15 kg/cm <sup>2</sup>		17.6/11 kg/cm <sup>2</sup>			
AIR		—		—			
TITLE: WAFER BUTTERFLY VALVE							
SIZE		DN50-DN300		DWG NO.		FT011400002-1	