

CHARACTERISTICS AND USAGE

The butterfly valve features a rotating disc that provides efficient shut-off and flow regulation by turning within the valve body. Its compact, lightweight construction ensures easy installation, fast operation, low operating torque, and minimal flow resistance. With smooth 0–90° modulation, it delivers precise flow control and is well suited for water supply and drainage, HVAC, firefighting, petroleum, chemical processing, pharmaceutical, and food industry applications where reliable isolation or throttling is required.

PRODUCT MANUFACTURE AND ACCEPTANCE STANDARDS

- Standards of design: GB12238、API609、JIS B2064
- Standard of flange: GB9115
- Structural length: GB/T15188.2
- Testing standards: GB/T13927、JB/T9092

Main Technical Parameters

Nominal Diameter DN (mm)		40 ~ 2000			
Nominal Pressure PN (MPa)		0.25	0.6	1.0	1.6
Test Pressure (MPa)	Shell Strength	0.375	0.9	1.5	2.4
	Sealing Performance	0.275	0.66	1.1	1.76
Applicable Medium		Water, Oil, Steam, Sea-water, Acid			
Working Temperature (°C)	NBR J	Ethylene-propylene rubber XB JB	PTFE XC/FC/F46 XC/FC/F46	Silicon Rubber XD JD	Fluororubber XE JE
	-20 ~ +80	-40 ~ +150	-40 ~ +150	-70 ~ +25	-15 ~ +250

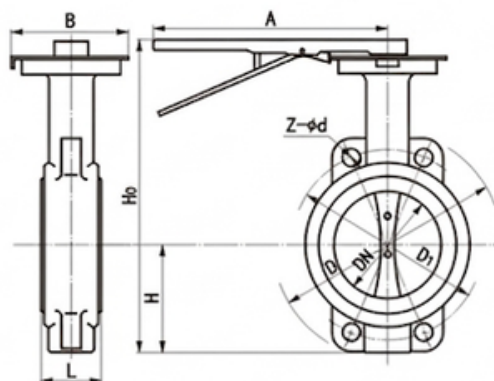
Materials of Major Components

MATERIAL SELECTION	
Name of parts	Material
Body	Cast Iron, Ductile Iron, No. 25 Steel, WCB, Cr-Ni-Mo-Ti Steel
Butterfly plate	Cast Iron, Ductile Iron, No. 25 Steel, WCB, Cr-Ni-Mo-Ti Steel
Stem	Carbon Steel Grade WCB, Cr-Ni-Mo-Ti Steel
Sealing face	Neoprene, NBR, EPDM PTFE
Packing	PTFE, Flexible Graphite, Rubber, V-ring washer

STRUCTURE DRAWING

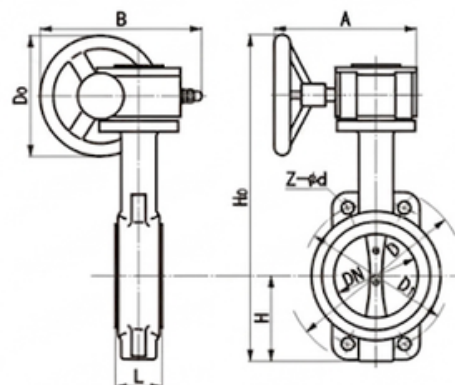
D71X/J

Butt-clamped rubber-lined butterfly valve



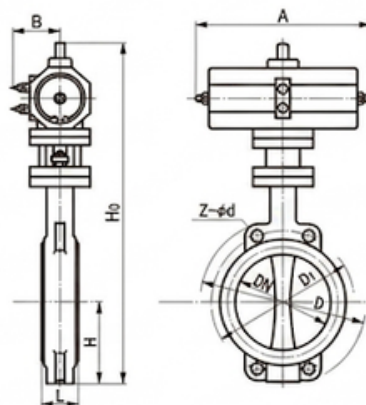
D371X/J

Butt-clamped gear-driven rubber-lined butterfly valve



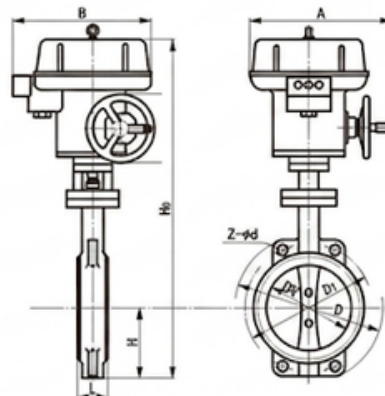
D671X/J

Butt-clamped pneumatic rubber-lined butterfly valve



D971X/J

Butt-clamped electric rubber-lined butterfly valve



External Dimensions and Connection Dimensions

Nominal Diameter (DN) (mm)	Nominal Pressure (PN) (MPa)	Connecting dimensions (mm)				External dimensions (mm)												
		L	D	D ₁	Z-ød	D71X/J				D371X/J			D671X/J			D971X/J		
						H	H ₀	A	B	H ₀	A	B	H	A	B	H ₀	A	B
40	1.0/1.6	43	145	10	4-18	63	230	266	65	206	193	125	305	193	125	430	125	125
50		43	165	125	4-18	63	235	266	65	306	193	125	316	193	125	438	125	125
60		46	185	145	4-18	73	250	266	65	306	193	125	316	193	125	458	125	125
80		46	200	160	4-18-18	93	275	266	65	345	193	125	335	193	125	478	125	125
100		52	220	180	8-18	105	316	266	65	395	193	125	435	193	125	519	125	125
150		56	250	210	8-18	117	340	310	65	410	193	125	450	193	125	718	325	245
150		56	285	240	8-22	137	376	310	65	445	193	125	635	193	125	749	325	245
200		60	340	295	8-22/12-22	134	470	370	90	570	283	165	720	283	165	843	325	245
250		68	395/405	350/405	12-22	206				645	234	165	805	165	165	945	363	373
300		78	445/460	400/410	12-22	240				740	334	175	840	334	175	1010	363	373
350	1.0	78	505	460	16-22	248				745	334	175	805	334	175	1050	363	313
400		102	565	565	16-26	290				875	425	210	975	425	210	1130	363	313
450		114	670	565	20-26	320				940	425	210	1040	425	210	1220	465	413
500		127	670	820	20-26	345				945	425	210	1095	425	210	1330	546	431
600		164	780	725	20-30	410				1175	620	210	1230	420	210	1330	546	566
700		165	985	840	24-30	480				1475	620	320	1475	620	320	1450	546	706
800		199	1015	950	24-33	525				1535	620	320	1605	620	320	1400	546	706
900		203	1115	1330	26-36	585				1760	620	320	1760	620	320	1745	647	706
1000		218	1230	1380	28-36	640				1760	620	320	1760	620	320	1810	632	706
1200		254	1455	1380	32-36	755				1995	620	320	1995	620	320	2035	632	706
1200	0.6/0.25	254	1400/1375	1340/1330	32-34/32-34	755				1995	620	320	1995	620	320	2035	632	708
1400		279	1620/1675	1560/1730	33-34/34-30	885				2380	620	320	2380	680	320	2785	632	705
1600		316	1820/1785	1760/1730	40-34/40-30	1035				2850	780	450	2525	780	450	2820	715	835
1800		356	2045/1985	1970/1930	44-41/44-30	1175				2880	780	450	2880	780	450	2760	715	835
2000		406	2265/2165	2180/2130	44-44/48-30	1325				3250	620	570	3250	920	570	2920	715	865