

Pneumatic cast steel three-eccentric butterfly valve



PRODUCT OVERVIEW

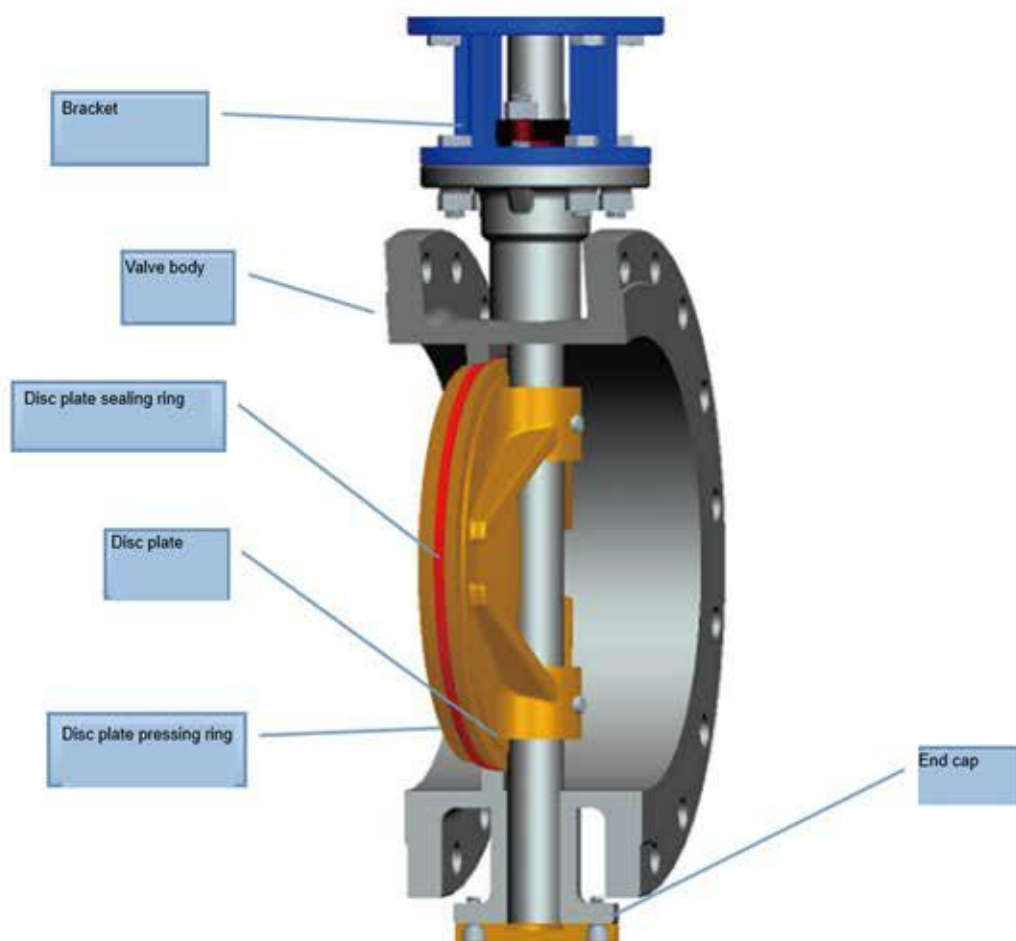
Body material:	WCB
Size range:	DN50 ~ 2000
Pressure rating:	0.6 ~ 2.5MPa
Operating temperature:	-29 ~ 425°C
End connection:	Flanged
Applicable medium:	Water, Sewage, Steam, Oil
Mode of operation:	Pneumatic
Applicable industry:	Chemical & Petrochemical, Oil & Gas, Mining & Minerals, Power generation, Water & Water Treatment, Pulp & Paper, Municipal, Heating & Ventilation
Design & Manufacture:	API, ASME, ASTM, ANSI, BS, DIN, JIS, ISO, GB

DESIGN FEATURES

1. This valve is driven by air, connected by flange, comply with JB/T 8527 design standard, and utilizes triple eccentric structure. The rotation axis of the disc plate (the stem axis) forms an offset distance from the sealing surface and an angle with the axis of the flow channel of the valve body. This valve consists of a valve body, a disc plate, a valve stem, a disc plate sealing ring, a disc plate pressing ring, a bracket, an end cover and other parts.

2. The valve is operated by air diaphragm actuator, rotate the valve stem 90° to drive the disc plate to rotate 90° , thus to realize the opening or closing. Because the product utilizes triple eccentric structure, it can create cam effect during the opening and closing process, which decreases the valve switching torque, reduces the wear between the valve seat and the disc plate, and prolongs the service life of the valve.

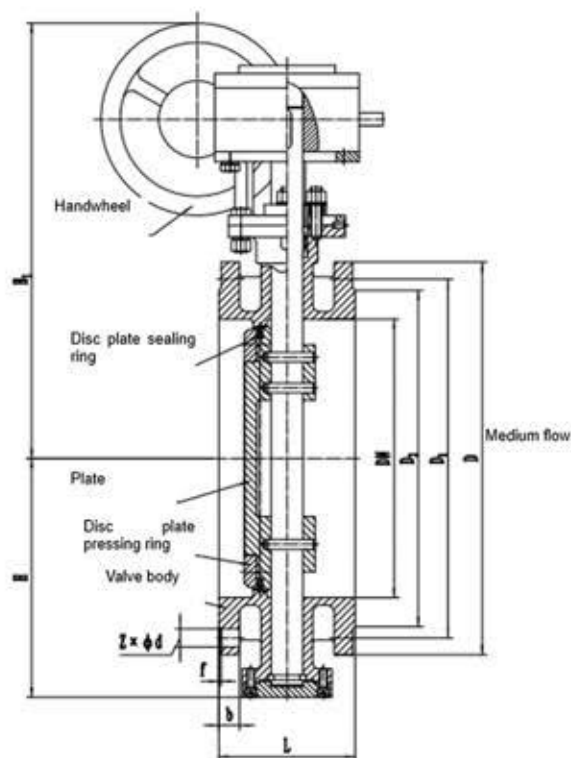




VALVE MATERIAL LIST

Part name	Material
Valve body, bracket, packing gland	WCB
Valve shaft	2Cr13
Sealing ring	PTFE
Disc plate	Q235/WCB
Packing	Flexible graphite

TECHNICAL SPECIFICATIONS



Model	DN (mm)	Size(mm)							
		L	H	H ₁	D	D ₁	D ₂	b-f	z*φd
D643H-6C	200	152	182	350	320	280	254	24-2	8*φ18
	250	165	217	393	375	335	309	26-2	12*φ18
	300	178	245	441	440	395	363	26-2	12*φ22
	350	190	275	497	490	445	413	26-2	12*φ22
	400	216	360	585	540	495	463	26-2	16*φ22
	450	222	389	603	595	550	518	28-2	16*φ22
	500	229	428	1020	645	600	568	28-2	20*φ22
	600	267	507	1225	755	705	667	34-2	20*φ26
	700	292	544	1335	860	810	772	34-5	24*φ26
	800	318	602	1470	975	920	878	36-5	24*φ30
	900	330	632	1545	1075	1020	978	38-5	24*φ30
	1000	410	698	1795	1175	1120	1078	26-5	28*φ30

Model	DN (mm)	Size(mm)							
		L	H	H ₁	D	D ₁	D ₂	b-f	z* φ d
D643H-10C	50	108	83	236	165	125	99	20-2	4* φ 18
	65	112	93	246	185	145	118	20-2	8* φ 18
	80	114	100	257	200	160	132	20-2	8* φ 18
	100	127	110	261	220	180	156	22-2	8* φ 18
	125	140	125	303	250	210	184	22-2	8* φ 18
	150	140	155	265	285	240	211	24-2	8* φ 22
	200	152	182	355	340	295	266	24-2	8* φ 22
	250	165	217	393	395	350	319	26-2	12* φ 22
	300	178	245	441	445	400	370	26-2	12* φ 22
	350	190	275	497	505	460	429	26-2	16* φ 22
	400	216	355	547	565	515	480	26-2	16* φ 26
	450	222	386	573	615	565	530	28-2	20* φ 26
	500	229	423	609	670	620	582	28-2	20* φ 26
	600	267	499	706	780	725	682	34-2	20* φ 30
	700	292	536	752	895	840	794	34-5	24* φ 30
	800	318	619	855	1015	950	901	36-5	24* φ 33
	900	330	624	885	1115	1050	1001	38-5	28* φ 33
	1000	410	693	948	1230	1160	1112	38-5	28* φ 36
	1200	470	800	1163	1455	1380	1328	44-5	32* φ 39
	1400	530	910	1303	1675	1590	1530	48-5	36* φ 42
	1600	600	1047	1433	1915	1820	1750	52-5	40* φ 48
	1800	670	1152	1570	2115	2020	1950	50-5	44* φ 48
	2000	760	1275	1710	2325	2230	2150	54-5	48* φ 48

Model	DN (mm)	Size(mm)							
		L	H	H ₁	D	D ₁	D ₂	b-f	z* φ d
D643H-16C	50	108	83	236	165	125	99	20-2	4- φ 18
	65	112	93	246	185	145	118	20-2	8- φ 18
	80	114	100	257	200	160	132	20-2	8- φ 18
	100	127	110	261	220	180	156	22-2	8- φ 18
	125	140	114	303	250	210	184	22-2	8- φ 18
	150	140	155	313	285	240	211	24-2	8- φ 22
	200	152	182	355	340	295	266	24-2	12- φ 22
	250	165	217	393	405	355	319	26-2	12- φ 26
	300	178	245	441	460	410	370	28-2	12- φ 26
	350	190	275	497	520	470	429	30-2	16- φ 26
	400	216	360	547	580	525	480	32-2	16- φ 30
	450	222	386	573	640	585	548	34-4	20- φ 30
	500	229	423	609	715	650	609	36-4	20- φ 33
	600	267	499	706	840	770	720	38-5	20- φ 36
	700	292	536	752	910	840	794	40-5	24- φ 36
	800	318	619	855	1025	950	901	42-5	24- φ 36
	900	330	662	919	1125	1050	1001	44-5	24- φ 39
	1000	410	728	985	1255	1170	1112	46-5	28- φ 39
	1200	470	800	1163	1485	1390	1328	52-5	28- φ 42
	1400	530	910	1300	1685	1590	1530	52-5	32- φ 48
	1600	600	1047	1433	1930	1820	1750	58-5	40- φ 55
	1800	670	1152	1570	2130	2020	1950	62-5	44- φ 55
	2000	760	1275	1710	2345	2230	2150	66-5	48- φ 60

Model	DN (mm)	Size(mm)							
		L	H	H ₁	D	D ₁	D ₂	b-f	z* φ d
D643H-25C	65	112	93	248	185	145	118	22-2	8- φ 18
	80	114	100	257	200	160	132	24-2	8- φ 18
	100	127	110	261	235	190	156	24-2	8- φ 22
	125	140	114	303	270	220	184	26-2	8- φ 26
	150	140	155	325	300	250	211	28-2	8- φ 26
	200	152	212	388	360	310	274	30-2	12- φ 26
	250	165	257	419	425	370	330	32-2	12- φ 30
	300	178	290	453	485	430	389	34-2	16- φ 30
	350	190	316	513	555	490	448	38-2	16- φ 33
	400	216	380	568	620	550	503	40-2	16- φ 36
	450	222	408	598	670	600	548	46-2	20- φ 36
	500	229	442	636	730	660	609	48-2	20- φ 36
	600	267	499	706	845	770	720	48-2	20- φ 39
	700	292	566	777	960	875	820	50-5	24- φ 42
	800	318	624	850	1085	990	928	54-5	24- φ 48
	900	330	668	930	1185	1090	1028	58-5	28- φ 48
	1000	410	725	994	1320	1210	1140	62-5	28- φ 55
	1200	470	890	1965	1530	1420			32- φ 55
	1400	530	920	2380	1755	1640			36- φ 60
	1600	600	1085	2956	1975	1860			40- φ 60
	1800	670	1230	3221			2195	2070	44- φ 68
	2000	760	1350	3485			2425	2300	48- φ 68