



Concentric Flange Butterfly Valves



ACHEM Concentric Flange Butterfly Valve

Size 4"-72"

Flange PN6/PN10/PN16/150LB/10K

Design EN593/API609/BS5155/EN1092

Mounting Flange ISO 5211

Testing Standard API598 ISO5208 EN12266-1

Description

Double flanged Butterfly Valves constitute an indispensable element in numerous industrial and commercial systems, meticulously crafted to modulate the fluid flow within pipes. These highly versatile valves are gaining escalating popularity owing to their well-balanced combination of durability, reliability, and cost-efficiency when juxtaposed with more conventional ball valves.

Multiple applications: These valves are applicable across a broad spectrum of scenarios, rendering them a preferred choice for industries like water treatment, oil and gas, and chemical processing.



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Actuator Options: These valves can be outfitted with either pneumatic or electric actuators, offering flexibility to satisfy a diverse range of operational requirements. The selection of the actuator influences the control mode of the valve - pneumatic actuators for swifter operation and electric actuators for more precise control.

Accessory compatibility: To augment functionality, double-flanged butterfly valves can be furnished with a multiplicity of accessories. Options encompass switch boxes for operational feedback, solenoids for automatic control, air filter regulators for pressure maintenance, and 4-20mA electro-pneumatic positioners for fine-tuning the valve position.

Quality Assurance: Every valve is comprehensively assembled and stringently tested to guarantee optimal performance and dependability, providing you with a sense of reassurance in critical operations.

APPLICATIONS

Double flanged butterfly valves are robust and adaptable and are extensively employed in a variety of applications. They are ideally tailored for:

Water and wastewater management: proficiently regulating the flow in municipal and industrial water supply systems.

Petrochemical processes: governing the transportation and processing of hydrocarbons and other chemicals.

HVAC systems: Regulating the air and fluid flow in heating, ventilation, and air conditioning systems to enhance energy efficiency.

Mining operations: handling abrasive materials and controlling slurries during the extraction process.



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Product Features

1. Compact and lightweight design facilitates easy installation and maintenance.
2. Can be mounted in any required location; features a simple, compact construction with quick 90-degree on-off operation.
3. Operating torque is minimized for enhanced energy efficiency.
4. Provides bubble-tight sealing with no leakage during pressure testing.
5. A wide range of materials available, suitable for various media applications.
6. Long service life, proven to withstand tens of thousands of opening and closing cycles without failure.
7. Flow curve approaches a straight line, demonstrating excellent regulation performance."

Working/Testing Pressure

Size	DN	40mm-300mm	350mm-2000mm
	Inch	1-1/2"-12"	14"-80"
Working		16bar	10bar
Testing	Shell	24bar	15bar
	Seal	17.6bar	11bar

Working Temperature

Seat Material	EPDM	NBR	FKM	PTFE
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Temperature	-10°C to 120°C	-10°C to 80°C	-15°C to 200°C	-25°C to 180°C
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Material Specification

Part	Material
Body	Cast Iron Ductile Iron WCB CF8 CF8M CF3M Duplex Steel Al-Bronze
Disc	Ductile Iron CF8 CF8M CF3M Duplex Steel Al-Bronze Harlar Coated
Shaft	SS410 SS416 SS420 SS431 SS316 17-4PH
Seat	EPDM NBR PTFE FKM Silicone
Bushing	FRP PTFE Bronze
Lever	Malleable Iron Carbon Steel Aluminum SS316
Gear Box	Ductile Iron Aluminum SS316

Corrosion Protection

Epoxy Resin Powder Spray ,The minimum thickness is not less than 300 microns

Disc Options

Through shaft with Pin Pinless disc

Slim disc concentric design(DN50-DN350)

Seat Options

Vulcanized seat

Tongue and Groove/Replaceable Seat



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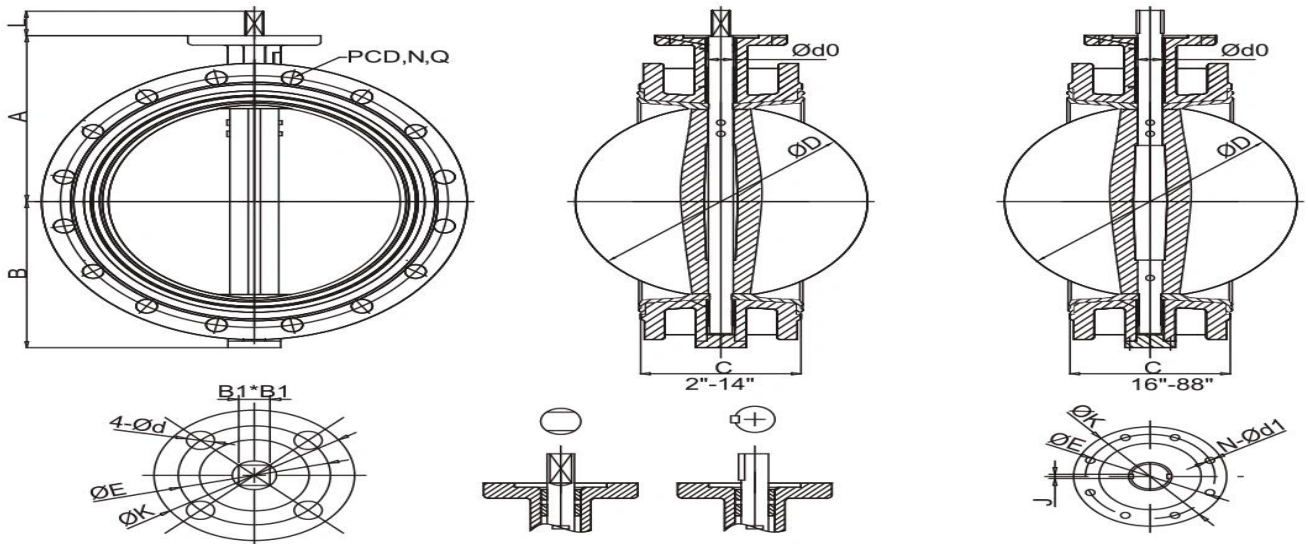
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Size		A	B	C	d0	PCD	N-Q	ØK	ØE	N-ØP	B1xB2	J	L	ISO 521 1
Inch	mm													
2"	50	110	80	108	12.6	125	4-19	90	70	4-10	11x11	-	26	F07
2 1/2"	65	134	80	112	12.6	145	4-19	90	70	4-10	11x11	-	30	F07
3"	80	134	95	114	12.6	160	8-19	90	70	4-10	11x11	-	30	F07
4"	100	150	114	127	15.77	180	8-19	90	70	4-10	11x11	-	30	F07
5"	125	170	114	140	18.92	210	8-19	90	70	4-10	14x14	-	30	F07
6"	150	180	139	140	18.92	240	8-22	90	70	4-10	14x14	-	40	F07
8"	200	210	175	152	22.1	295	8-22	125	102	4-12	17x17	-	40	F10
10"	250	245	203	165	28.45	350	12-22	125	102	4-12	22x22	-	40	F10
12"	300	276	242	178	31.6	400	12-22	125	102	4-12	22x22	-	40	F10
14"	350	328	250	190	31.6	460	16-22	125	102	4-12	22x22	-	40	F10
16"	400	376	310	216	33.15	515	16-26	175	140	4-18	27x27	-	50	F14
18"	450	407	332	222	37.95	565	20-26	175	140	4-18	27x27	-	70	F14
20"	500	433	358	229	41.12	620	20-26	175	140	4-18	36x36	-	80	F14
24"	600	508	423	267	50.62	725	20-30	210	165	4-23	36x36	-	80	F16
28"	700	560	479	292	63.35	840	24-30	300	254	8-18	-	2-18	85	F25
32"	800	620	533	318	63.35	950	24-33	300	254	8-18	-	2-18	95	F25
36"	900	692	602	330	75	1050	28-33	300	254	8-18	-	2-20	118	F25
40"	1000	735	656	410	85	1160	28-36	300	254	8-18	-	2-22	118	F25
48"	1200	971	781	470	105	1380	32-36	350	298	8-22	-	2-28	154	F30
56"	1400	1000	925	530	120	1590	36-42	415	356	8-32	-	2-32	200	F35
64"	1600	1150	1041	600	140	1820	40-48	415	356	8-32	-	2-36	200	F35
72"	1800	1200	1156	670	160	2020	44-48	475	406	8-40	-	2-40	200	F40
80"	2000	1360	1350	760	160	2230	48-48	475	406	8-40	-	2-40	200	F40
88"	2200	1500	1430	800	180	2440	52-56	560	483	12-40	-	2-45	300	F48



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