

‘AVCON’ 2-Way Centric Resilient Seated
Rubber Lined Wafer / Lug Type Butterfly Valve.

DATA SHEET
BFV - Wafer - 4322B
BFV - Lug - 4323B

SPECIFICATIONS Design as per API 609.

Valve Sizes : 25mm (1") to 600mmm (24")
Face to Face : As per API 609-A.
Testing & Inspection : In accordance to EN-12266-1.API 598.
Pressure Temp.Rating. : As per ASME B 16.34,
Pressure Rating : Body- BS EN 1092-PN16,

Bodies : CS-ASTM A216 Gr.WCB
(GS-C-25) SS- ASTM A351 Gr.CF8M
(DIN 1.4408)(GX6 Cr.Ni. Mo1810)
SS- ASTM A351 Gr. CF8 (DIN 1.4301)

Shaft : SS 304/316/410/17- 4 PH
Disc : SGI-ASTM A-536-65-45-12,CS-
ASTM A216 Gr. WCB (DIN1.0619)(GS-
C-25) ASTM A351 Gr. CF8M / CF8.

Seat & Temperature : BUNA-N-30°C to 80°C, EPDM -35°C to
100°C, Nitrile -30°C to 100°C, Viton -
25°C to 200°C, Silicon -50°C to 150°C.

Shaft Packing : PTFE/ Nylon.

End Connection : Suitable for holding between the
flanges of ASME B16.5 #150, BS EN
1092-2 PN 10/ PN16, JIS -10K/16K/20K.
BS 10. Table D & E IS 1538 DIN-2501
PN10 / PN16.

Leakage : Tight shut-off, Class V on Water, Class VI
on Air.

Characteristic : On-Off and Control.
Velocity (Max.) : Size:25 mm to 200mm : 4m/sec.for liquid
& 35m/sec. for gases. Size: 250 & 600mm
3m/sec. for liquid & 30 m/sec. for gases.

Pneumatic Supply Pres. : For Double Acting or Spring Return
Actuator signal pressure 4.0 to 8.0 bar.

Manual Operation : Can be provided as additional feature.
DN25 to DN200.

Accessories : Air Lock Relay, Valve Positioner (P to P),
Valve Positioner (E to P) Positioner
Indicator, Rotary Limit Switches,
Proximity Switches Solenoid Valves, Etc.

ACTUATOR

: Refer to Specification table, for further
details of Actuators, refer to Actuator Leaflet.
Sales Points : Highly reliable, long life, simple in
construction and maintenance free valve.
Investment casted / machine moulded Body
and Disc, Machined on In-House CNC
Machining facility, Ensure easy replacement
of components. Field Proven, highly reliable
Valve and Actuator combination.
Application : For Air, Water, Oil, Gas, Some Chemicals,
Low Pressure Steam. Valve can be used on
Combustion Equipments, Power Stations,
Chemicals. Petro - Chemicals,
Pharmaceuticals and Textile Process
Industries, Water Treatment etc.

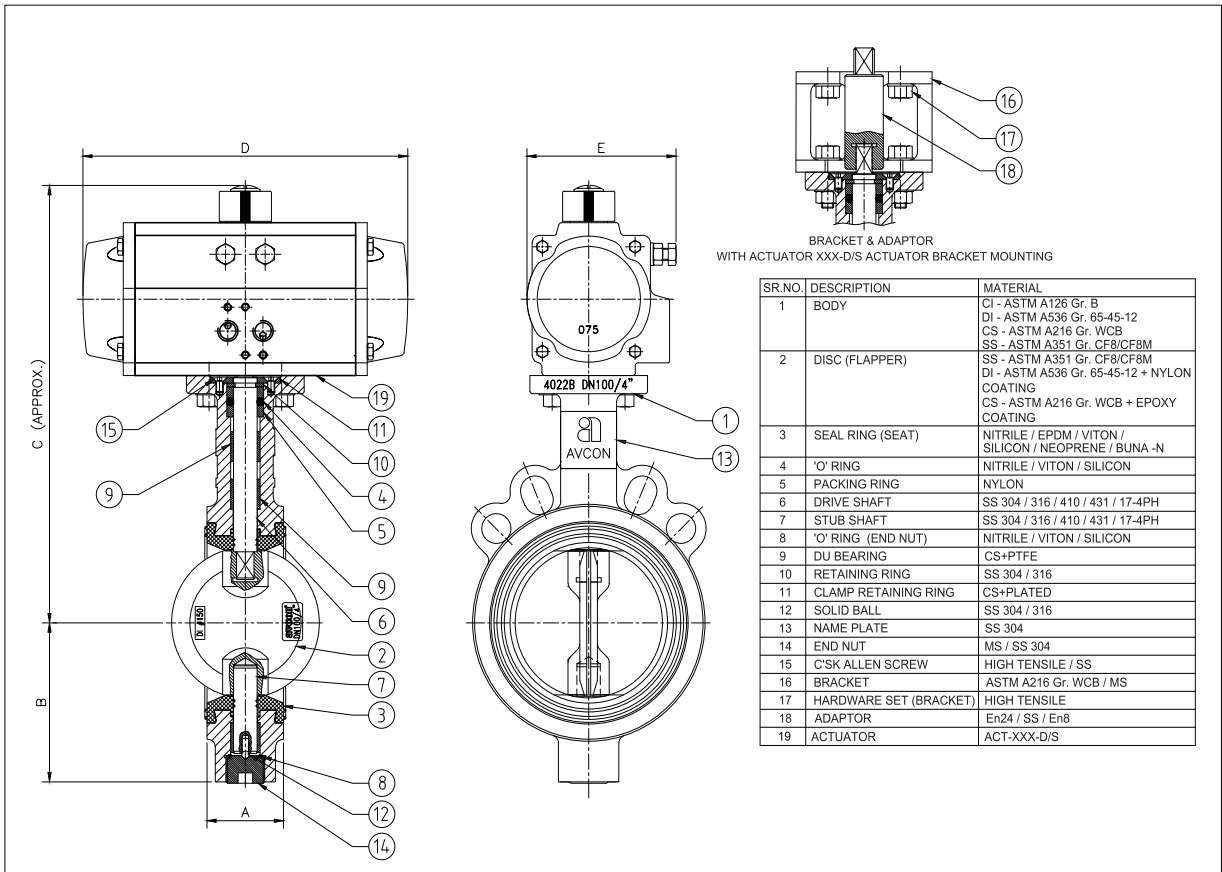
SPECIFICATION TABLE

Catalogue Number	Size		Flow Factor Kv.	ACT Actuator Model				Opening Time (Sec.)				Air consumption (Litres)			
				Working Pressure				Working Pressure				Working Pressure			
				6 bar		12 bar		6 bar		12 bar		6 bar		12 bar	
	Inch	mm		Double	Single	Double	Single	Double	Single	Double	Single	To Open	To Close	To Open	To Close
432XB025x ACT-50-D ACT-63-S	1	25	48	ACT-50-D	ACT-63-S	ACT-50-D	ACT-63-S	0.2	0.3	0.2	0.3	0.1	0.2	0.2	0.2
432XB040x ACT-50-D ACT-63-D	1-1/2	40	49	ACT-50-D	ACT-63-S	ACT-50-D	ACT-63-S	0.2	0.3	0.2	0.3	0.1	0.2	0.2	0.2
432XB050x ACT-50-D ACT-63-D	2	50	91	ACT-50-D	ACT-63-S	ACT-50-D	ACT-63-S	0.2	0.3	0.2	0.3	0.1	0.2	0.2	0.2
432XB065x ACT-63-D ACT-90-S	2-1/2	65	206	ACT-63-D	ACT-90-S	ACT-63-D	ACT-90-S	0.3	0.5	0.3	0.5	0.2	0.5	0.3	0.3
432XB080x ACT-75-D ACT-90-S	3	80	436	ACT-75-D	ACT-90-S	ACT-75-D	ACT-90-S	0.3	0.5	0.3	0.5	0.3	0.5	0.3	0.5
432XB100x ACT-75-D ACT-100-S	4	100	660	ACT-75-D	ACT-100-S	ACT-90-D	ACT-115-S	0.3	0.6	0.4	0.8	0.5	1.2	0.8	0.8
432XB125x ACT-90-D ACT-115-S	5	125	1300	ACT-90-D	ACT-115-S	ACT-90-D	ACT-125-S	0.4	0.8	0.4	1.1	0.5	1.2	0.8	0.5
432XB150x ACT-100-D ACT-125-S	6	150	2100	ACT-100-D	ACT-125-S	ACT-100-D	ACT-125-S	0.5	1.1	0.5	1.1	0.7	1.5	1.1	1.1
432XB200x ACT-115-D ACT-145-S	8	200	4100	ACT-115-D	ACT-145-S	ACT-115-D	ACT-145-S	0.7	1.4	0.7	1.4	1.2	2.4	1.8	1.8
432XB250x ACT-125-D ACT-190-S	10	250	6090	ACT-125-D	ACT-190-S	ACT-145-D	ACT-190-S	0.9	2.2	1.2	2.2	1.5	4.3	3.8	3.8
432XB300x ACT-145-D ACT-190-S	12	300	9570	ACT-145-D	ACT-190-S	ACT-160-D	ACT-210-S	1.2	2.2	1.5	3.2	2.4	4.3	9.5	9.5
432XB350x ACT-190-D ACT-190-S	14	350	11300	ACT-190-D	ACT-190-S	ACT-190-D	ACT-210-S	2	2.2	2	3.2	4.3	4.3	6.9	6.9
432XB400x ACT-190-D ACT-210-S	16	400	14900	ACT-190-D	ACT-210-S	ACT-210-D	ACT-240-S	2	3.2	2.7	4	4.3	5.9	6.9	9.5
432XB450x ACT-210-D ACT-270-S	18	450	19800	ACT-210-D	ACT-270-S	ACT-240-D	ACT-270-S	2.7	4.5	3.5	4.5	5.9	14.5	9.5	15.2
432XB500x ACT-240-D ACT-270-S	20	500	25100	ACT-240-D	ACT-270-S	ACT-270-D	ACT-300-S	3.5	4.5	4	8	10	14.5	15.2	29.7
432XB600x ACT-270-D ACT-300-S	24	600	36500	ACT-270-D	ACT-300-S	ACT-300-D	ACT-350-S	4	8	12	10	14.5	29.7	21.4	23.8

•Note - 'X' Represents 2 for Wafer type & 3 for Lug type.

Note: (1) Valve and actuator table is calculated fitting AVCON Namur based solenoid valve, type 9484E06 or 9384E06. Valve for using any other models from other manufacturers, please use 6 bar pneumatic pressure. (2) For regulating duty disc can only be positioned between 20° to 70° opening or controlling. (3) Safe body working pressure across all the sizes will be 15 bar. (4) No air is required to close the single acting Actuator.

DIMENSIONS IN MM.



DIMENSIONS IN MM.

Catalogue Number	Size		A	B	C		D		E		Wt. Kgs.(Approx.)	
	Inch	mm			Double	Single	Double	Single	Double	Single	Double	Single
432XB025x ACT-50-D x ACT-63-S	1	25	25	60	200	200	157	173	70	82	2.1	2.8
432XB040x ACT-50-D x ACT-63-S	1-1/2	40	33	71	210	210	157	173	70	82	2.4	3.2
432XB050x ACT-50-D x ACT-63-S	2	50	43	80	220	220	157	173	70	82	3.1	3.9
432XB065x ACT-63-D x ACT-90-S	2-1/2	65	46	87.5	235	235	173	260	82	104	3.9	4.6
432XB080x ACT-75-D x ACT-90-S	3	80	46	95	260	260	221	260	97	104	6.4	6.8
432XB100x ACT-75-D x ACT-100-S	4	100	52	115	280	335	221	290	97	122	8.3	16.2
432XB125x ACT-90-D x ACT-115-S	5	125	56	120	355	355	260	312	104	132	17.9	19.1
432XB150x ACT-100-D x ACT-125-S	6	150	56	144	370	370	290	368	122	149	19.7	21.0
432XB200x ACT-115-D x ACT-145-S	8	200	60	204.5	500	500	312	421	132	168	40.2	44.7
432XB250x ACT-125-D x ACT-190-S	10	250	68	212	515	515	368	550	149	215	43.0	48.0
432XB300x ACT-145-D x ACT-190-S	12	300	78	248	245	545	421	550	168	215	52.0	56.5
432XB350x ACT-190-D x ACT-190-S	14	350	78	257	596	596	550	550	215	215	87	94
432XB400x ACT-190-D x ACT-210-S	16	400	102	295	641	664	550	620	215	236	100	112
432XB450x ACT-210-D x ACT-270-S	18	450	113	326	694	782	620	743	236	294	146	214
432XB500x ACT-240-D x ACT-270-S	20	500	127	355	771	812	691	743	261	294	184	226
432XB600x ACT-270-D x ACT-300-S	24	600	154	422	867	885	743	772	294	333	282	324

•Note - 'X' Represents 2 for Wafer type & 3 for Lug type. •OPEN TOLERANCE ± 3 ALL OVER

DIMENSIONS IN MM.

Catalogue Number	Size		A	B	C		D		E		Wt. Kgs.(Approx.)	
	Inch	mm			Double	Single	Double	Single	Double	Single	Double	Single
432XB025x ACT-50-D x ACT-63-S	1	25	25	60	200	200	157	173	70	82	2.1	2.8
432XB040x ACT-50-D x ACT-63-S	1-1/2	40	33	71	210	210	157	173	70	82	3.1	3.9
432XB050x ACT-50-D x ACT-63-S	2	50	43	80	220	220	157	173	70	82	3.1	3.9
432XB065x ACT-50-D x ACT-90-S	2-1/2	65	46	87.5	235	235	173	260	82	104	3.9	4.6
432XB080x ACT-63-D x ACT-90-S	3	80	46	95	260	260	221	260	97	104	6.4	6.8
432XB100x ACT-75-D x ACT-115-S	4	100	52	115	280	355	260	312	104	132	8.3	16.2
432XB125x ACT-90-D x ACT-125-S	5	125	56	120	355	355	260	368	104	149	17.9	19.1
432XB150x ACT-90-D x ACT-125-S	6	150	56	144	370	370	290	368	122	149	19.7	21.0
432XB200x ACT-100-D x ACT-145-S	8	200	60	204.5	500	500	312	421	132	168	40.2	44.7
432XB250x ACT-115-D x ACT-190-S	10	250	68	212	515	515	421	550	168	215	43.0	48.0
432XB300x ACT-145-D x ACT-210-S	12	300	78	248	245	545	450	620	185	236	52.0	56.5
432XB350x ACT-190-D x ACT-210-S	14	350	78	257	596	619	550	620	215	236	87	100
432XB400x ACT-210-D x ACT-240-S	16	400	102	295	664	711	620	691	236	261	103	140
432XB450x ACT-240-D x ACT-270-S	18	450	113	326	741	782	691	743	261	294	172	214
432XB500x ACT-270-D x ACT-300-S	20	500	127	355	812	830	743	772	294	333	208	251
432XB600x ACT-300-D x ACT-350-S	24	600	154	422	885	841	772	860	333	380	296	412

•Note - 'X' Represents 2 for Wafer type & 3 for Lug type. •OPEN TOLERANCE ± 3 ALL OVER



4322 / 4323 SERIES
BUTTERFLY VALVES
WITH PNEUMATIC ACTUATORS.



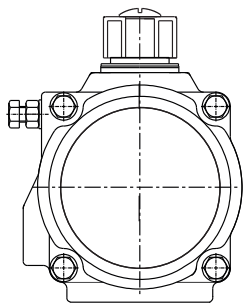
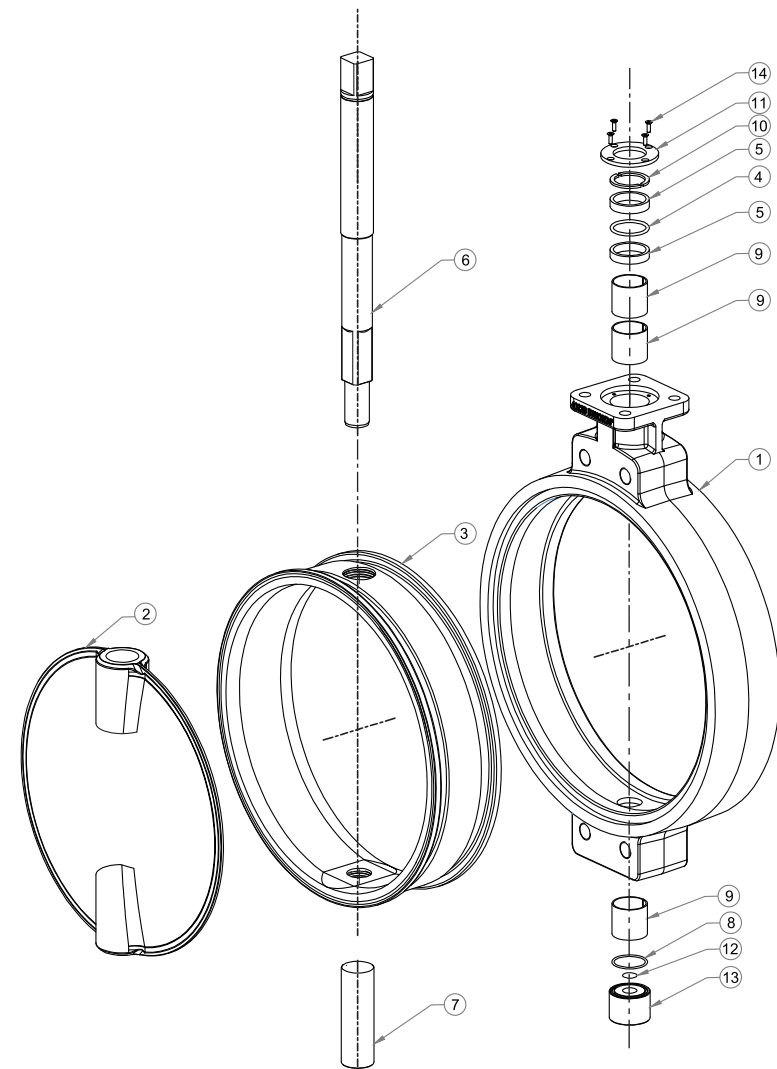
Our Other
Product Range



4322K 4324A 4326B 4222B



BUTTERFLY VALVE



SR.NO.	DESCRIPTION	QTY.	SPARE
1	BODY	1	
2	DISC (FLAPPER)	1	
3	SEAL RING (SEAT)	1	*
4	'O' RING	1	*
5	PACKING RING	2	*
6	DRIVE SHAFT	1	
7	STUB SHAFT	1	
8	'O' RING (END NUT)	1	*
9	DU BEARING	3	
10	RETAINING RING	2	
11	CLAMP RETAINING RING	1	
12	SOLID BALL	1	
13	END NUT	1	
14	C'SK ALLEN SCREW	4	

NOTE:-Exploded view may change according to Size.

Note: Technical specifications, details & dimensions are subject to change without prior notice. Dimensions in the table are approximate subject to final confirmation by AVCON.

ACCESSORIES



FRG-7700



VPP/ EVP



RLS/RPS



RLS/RPS



MHG



9484E/9304E / 9485E / 9385E

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