

'AVCON' 2 Way Tight Shut Off Butterfly Valves with Quarter Turn Electric Actuators

DATA SHEET
BFV-4526 B

(Wafer Type, Double Eccentric, High Performance Design)

SPECIFICATIONS

Design Wafer Type as per ASME 16.34 & API 609

Sizes	: 50mm (2") to 300mm (12").
Face to Face	: API 609.
Testing & Inspection	: BS-EN-12266-1, MSS-SP-61, API 598.
Pressure Temp.Rating.	: As per ASME 16.34 Class 150.
Pressure Rating	: Body- ASME 16.34 Class 150 & 300 holding between flanges.
Bodies	: CS-ASTM A216 WCB (DIN 1.0619) (GS -C-25) SS- ASTM A351CF8M (DIN 1.4408)(GX6 Cr.Ni. MO1810) SS- ASTM A351CF8 (DIN 1.4301)
Shaft	: ASTM A511 Gr. TP 410
Disc	: SS-ASTM A351CF8 or CF8M.
Seating	: Soft-Seated PTFE.
Shaft Packing	: PTFE
End Connection	: Suitable for holding between the flanges of ASME B16.5 Cl. 150.
Leakage	: Tight shut-off.
Characteristic	: On-Off.
Electric Supply	: 230 Volts A.C. only for actuator, can be used with on-off, anticipatory, PI & PID control system.
Manual Operation	: Through hand wheel.
Accessories	: Potentiometer, Additional Limit Switches, 4 to 20mA Interface unit 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. Ensures easy replacement of components. Upto 100 mm size valve Electric Actuators are Spur & Gear type, Higher sizes valve are provided with Worm & Gear type heavy duty actuators. Field Proven, highly reliable Valve and Actuator combination.

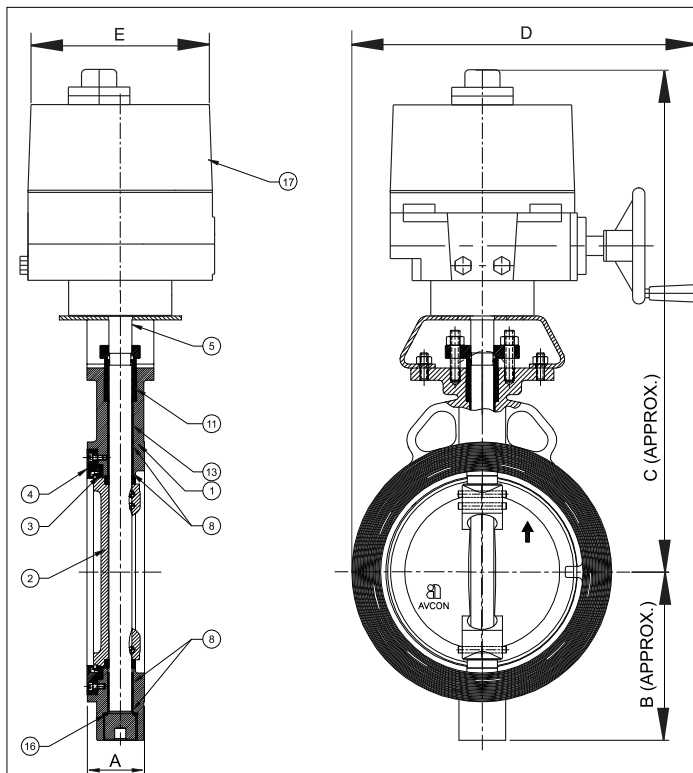
Application

: 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, ROP systems etc.

SPECIFICATION TABLE

Catalogue Number	Size		Orifice Size	Flow Factor Kv	Safe Working Body Pressure	Working Pressure	Actuator Type (10 bar WP)	Approx. Opening & Closing Time	Power Consumption
	Inch	mm	mm	M ³ /hr.	Bar	Bar	No.	Seconds	Watts
4526B50 x EA-50	2	50	52	90	15	10	EA-50	30	18
4526B65 x EA-50	2½	65	60	139	15	10	EA-50	30	18
4526B80 x EA-50	3	80	66	186	15	10	EA-50	30	18
4526B100 x QM-100	4	100	88	330	15	10	QM-100	30	40
4526B150 x QM-250	6	150	132	745	15	10	QM-250	30	60
4526B200 x QM-250	8	200	186	1716	15	10	QM-250	30	60
4526B250 x QM-400	10	250	230	2262	15	7	QM-400	60	120
4526B300 x QM-650	12	300	286	3498	15	6	QM-650	90	120

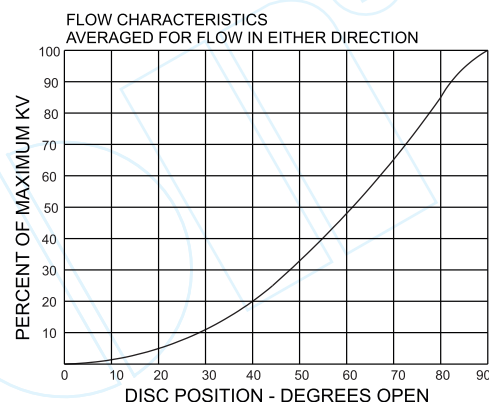
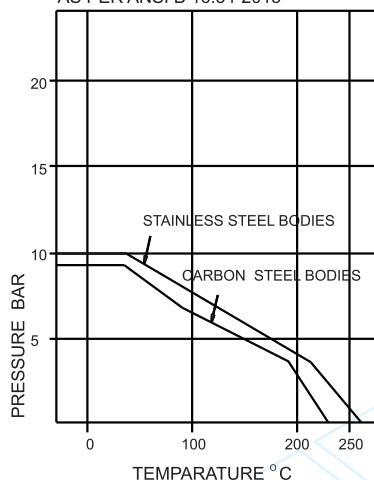
Note: For regulating duty disc can only be positioned between 20° to 70° opening for controlling.



BILL OF MATERIAL

SR NO	PART NO	DESCRIPTION	MATERIAL
1	1	BODY	ASTM A216 Gr. WCB ASTM A351 Gr. CF8/CF8M
2	2	DISC	ASTM A351 Gr. CF8/CF8M
3	3	SEAT	PTFE/RPTFE
4	4	RETAINER RING	CARBON STEEL/STAINLESS STEEL
5	5	STEM	SS316/17-4PH
6	8	DU BEARING	MS+PTFE
7	11	CHEVRON PACKING	PTFE
8	13	BUSH (BODY)	PTFE
9	16	GASKET (BOTTOM)	PTFE
10	17	ACTUATOR	EA-/QM/QR/QMT/QMR-XXX

PRESSURE / TEMPERATURE
AS PER ANSI B 16.34-2013



DIMENSIONS IN MM

Catalogue Number	Size		A	B	C	D	E	Weight Kgs. (Approx.)
	Inch	mm						
4526B50 x EA-50	2	50	51	90	440	355	165	8.750
4526B65 x EA-50	2 ½	65	51	100	460	355	165	9.750
4526B80 x EA-50	3	80	51	105	485	355	165	12.950
4526B100 x QM-100	4	100	57	124	545	326	181	14.350
4526B150 x QM-250	6	150	72	156	575	350	181	22.250
4526B200 x QM-250	8	200	76	196	600	350	181	40.250
4526B250 x QM-400	10	250	80	243	660	450	217	65.500
4526B300 x QM-650	12	300	86	277	725	450	217	82.500

• OPEN TOLERANCE ± 3 ALL OVER

* Weight given only WCB Valves.

Note:

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

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