

'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

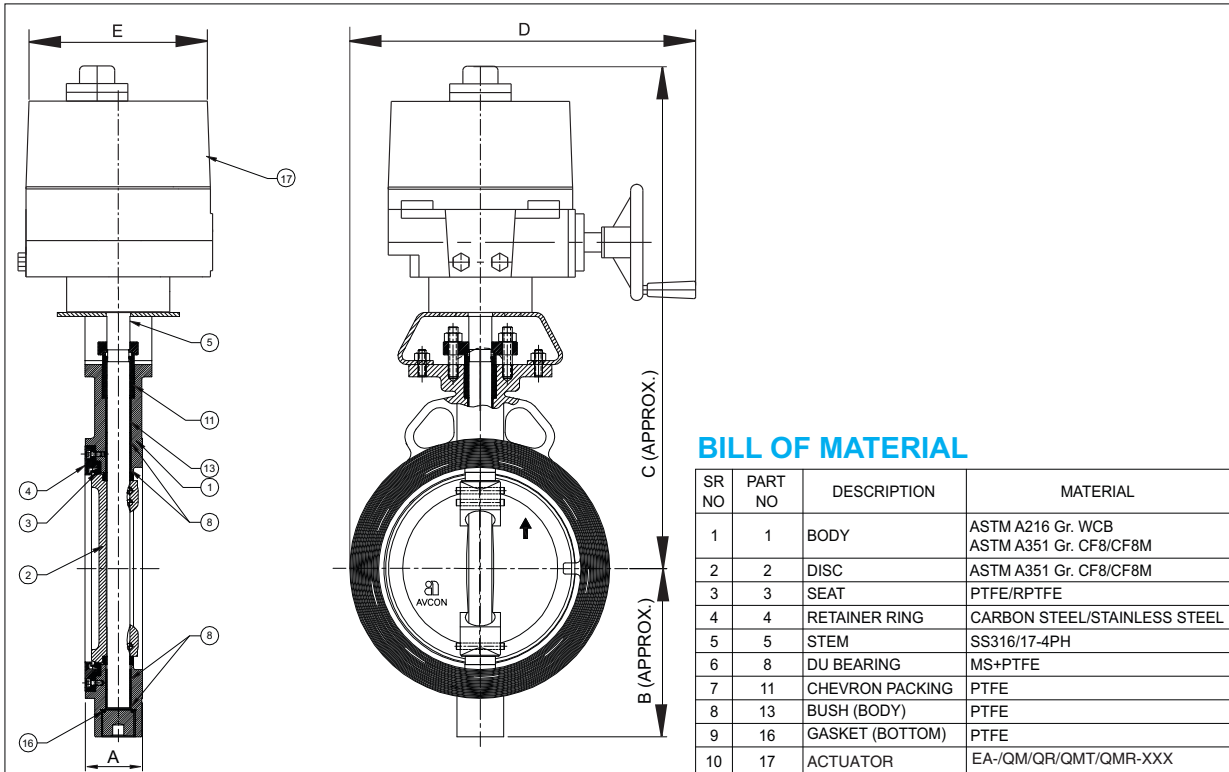
- : Highly reliable, long life, simple in construction and maintenance free valve. Investment casted / machine moulded Body and Disc, Machined on In-House CNC Machining facility. Ensures easy replacement of components. Upto 100 mm size valve Electric Actuators are Spur & Gear type, Higher sizes valve are provided with Worm & Gear type heavy duty actuators. Field Proven, highly reliable Valve and Actuator combination.
- : 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.

Application

SPECIFICATION TABLE

Catalogue Number	Size		Orifice Size mm	Flow Factor Kv M ³ /hr.	Safe Working Body Pressure Bar	Working Pressure Bar	Actuator Type (10 bar WP) No.	Approx. Opening & Closing Time Seconds	Power Consumption Watts
	Inch	mm							
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

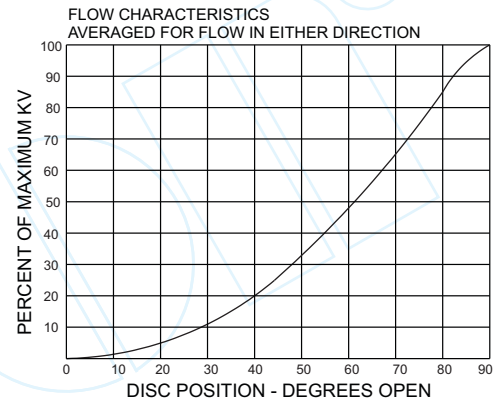
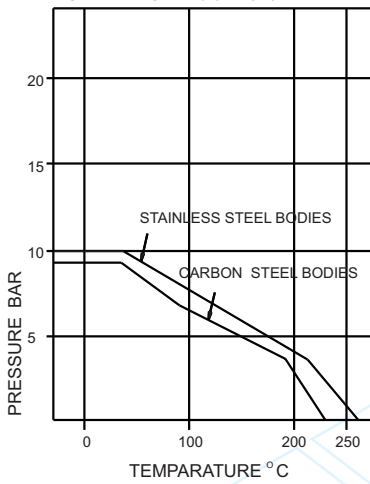
Note: For regulating duty disc can only be positioned between 20° to 70° opening for controlling.



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.