

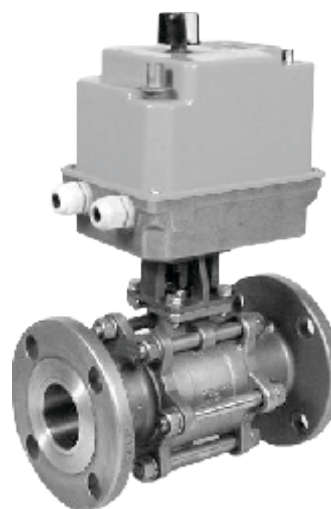
2-Way Full Port, Ball Valve, 3-Piece Design With Electric Rotary Actuator.

DATA SHEET
2570 F

AVCON is producing 3-piece Ball Valves with ISO-5211 mounting pad. The valves are provided with mounting bracket, couplers for fitting Electric Actuators. The Valves are available with Electric Actuators-Motorised to Open and Motorised to Closed type (**No Fail Safe, Spring Return System available**). These Electric operated Ball valves are available with various options. For Electric Actuator details, please refer to leaflet (EA-21, EA-50/70, QM/QR-XXX Series). The face to face dimensions for flanged end valves are as per DIN 3202-1-1984 and DN/EN 558-1-2012. However for Screwed End Ball Valves face to face dimensions are as per our this leaflet.

SPECIFICATIONS:

Sizes	: 15 mm(½") to 100 mm(4")
Body and End Piece	: Investment Casted, Cast Steel ASTM A216 WCB (DIN 1.0619 GS-C 25) or Stainless Steel ASTM A351 Cf8 (DIN 1.4301) or CF8M(DIN 1.4408) (Gx6 Cr. Ni MO 1810).
Ball	: Stainless Steel AISI 316 bar stock. (Hcr-Hardchrome plated).
Stem and Stem nut	: Stainless Steel AISI 316.
Ball Seat	: Reinforced PTFE
Stem Seals	: Reinforced PTFE
Body Gasket	: PTFE
Antistatic device	: Stainless Steel SS 316
Pressure- temperature	: As per ASME B 16.34. Class 150 and rating Class 300.
Body pressure rating	: As per ASME B 16.34. Class 150 and Class 300.
End connection	: Screwed to BSP/NPT. Flanged to ASME B16.5 Class 150 or 300 RF.
Leakage Class	: As per As per ANSI-FCI-70-2. Teflon seating Class VI.
Temperature	: Continuous 180°C. Intermittent 200°C
Characteristics	: On-Off.



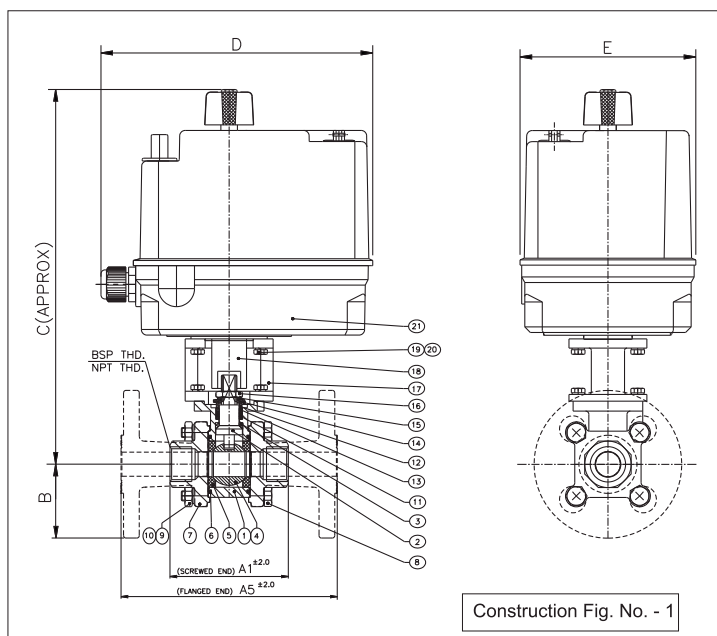
Electric Supply	: Standard- 230V 50 Hz AC, Optional -110 V 50 Hz, 24 V DC.
Manual Operation	: All Electric actuators are fitted with manual override as a standard.
Accessories	: All Motorised Ball Valves can be provided with accessories- Extra Limit switches, Potentiometer, Remote position indicator, 4 to 20 mA interface unit, IP-67 protection.
Sales point	: Highly reliable, long life, Simple in construction and maintenance free ball valve.
Application	: For air, water, oil, Steam gas corrosive chemicals, combustion equipment, Power Stations, Hydroelectric Power Generation, Chemicals and Petrochemical Industries.

ACTUATOR:

For valve 15 to 25 MM : EA-21/D or E
For valve 30 to 50 MM : EA-50/70-D or E
For valve 80 to 100MM : QM/QR-100 or QM/QR-150 /D or E.

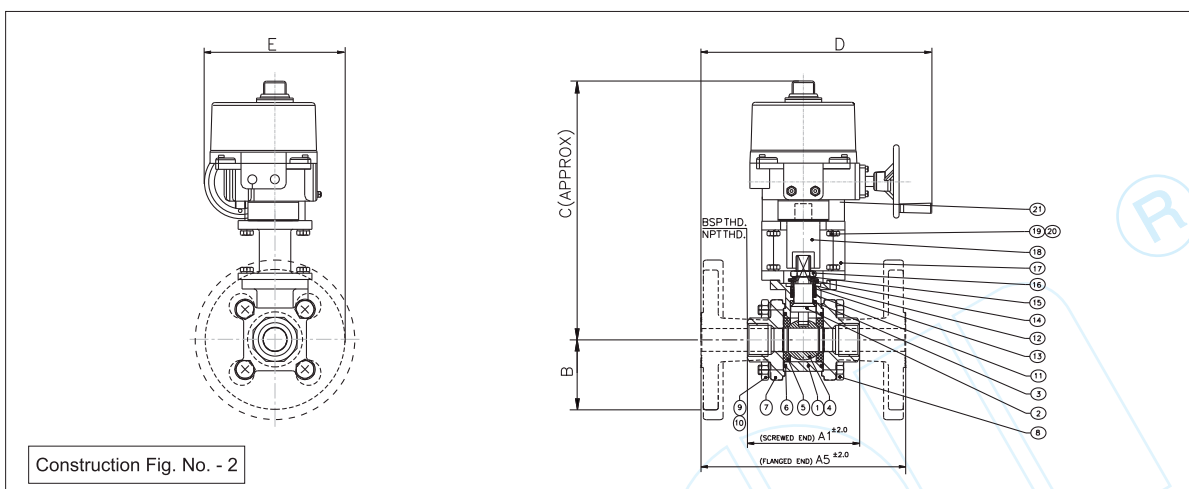
SPECIFICATIONS TABLE FOR FULL PORT BALL VALVE.

Catalogue Number	Size		Orifice Size (mm)	Flow Factor Kv	Hydrostatic Test Pressure	Working Pressure	Actuator Type	Open/Close Time (Approx.)	Power Consumption
	Inch	mm	mm	m3/h	bar	bar	EA	Secs.	Watts
2570 F 15X	½	15	15	10.40	40	12	EA-21	20	15
2570 F 20X	¾	20	20	27.52	40	12	EA-21	20	15
2570 F 25X	1	25	25	48.00	40	12	EA-21	20	15
2570 F 40X	1 ½	40	40	103.00	40	12	EA-50	30	20
2570 F 50X	2	50	50	206.00	40	12	EA-70	30	30
2570 F 65X	2 ½	65	65	275.00	40	12	EA-70	30	30
2570 F 80X	3	80	80	498.00	30	12	QM/QR-100	30	40
2570 F 100X	4	100	100	875.00	30	12	QM/QR-150	30	40



BILL OF MATERIAL

Item	Parts	Materials
1	Body	Refer to Note 1*
2	Stem	S.S.AISI.316
3	Stem Seal	RPTFE
4	Ball	Refer to Note 1*
5	Seat	PTFE
6	Flatring	PTFE
7	End Piece	Refer to Note 1*
8	Bolts/Studs	Refer to Note 3*
9	Spring Washer	
10	Hex. Nut	
11	Gland Packing	PTFE
12	Bush Gland	S.S.AISI.304
13	Bushing	RPTFE
14	Belleville Washer	S.S.AISI.301
15	Lock Washer	S.S.AISI.304
16	Lock Nut	S.S.AISI.304
17	Bracket	Refer to Note 2*
18	Adaptor	
19	Spring Washer	Refer to Note 3*
20	Hex Bolt	
21	Actuator	



SPECIFICATION TABLE FOR FULL PORT BALL VALVE

Catalogue Number	Size		Constr. Ref.	A1	A5	B Max.	C	D	E	Screwed End Weight (Kg)	Flanged End Weight (Kg)	
	Inch	mm									Cl. 150	Cl. 300
2570 F 15X	1/2	15	Fig. -1	71	130	26	205	175	106	3.200	3.800	4.100
2570 F 20X	3/4	20	Fig. -1	96	150	30	210	175	106	3.700	4.450	5.450
2570 F 25X	1	25	Fig. -1	109	160	34	225	175	106	4.300	5.200	6.300
2570 F 40X	1 1/2	40	Fig. -1	129	200	44	290	200	130	8.000	10.200	12.700
2570 F 50X	2	50	Fig. -1	142	230	70	300	200	130	9.700	13.450	15.550
2570 F 65X	2 1/2	65	Fig. -1	174	290	77	335	200	130	20.800	25.800	28.800
2570 F 80X	3	80	Fig. -2	-	310	90	510	386	214	-	38.500	43.600
2570 F 100X	4	100	Fig. -2	-	350	110	550	406	234	-	40.700	47.900

• OPEN TOLERANCE ± 3 ALL OVER

• A1 = SCREWED END & A5 = FLANGED END

*Note: 1. Bodies are Investment casted in ASTM A216 WCB, ASTM A351-CF8 or CF8M.
2. Brackets and Adapters are Investment casted in WCB. As an optional can be supplied with CF8 material.
3. For 150 # rated valves - bolts /studs, hex nuts material are supplied in ASTM A 193 B7 & B8.

Note:

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

WESTERN

Mumbai
Plot No. 65, Road No. 13,
MIDC Marol, Andheri (East),
Mumbai - 400 093
Tel.No.: 022-6915 6100 / 83909 17431
E-mail : acplmumbai.sales@avconcontrols.com

Pune
Plot No. T - 108, MIDC Bhosari,
Pune - 411 026,
Maharashtra (INDIA)
Tel.No.: 020-2712 0776 / 2712 0540
E-mail : acplmumbai.sales@avconcontrols.com

Baroda
307, Mangaldeep Complex,
Sampatnagar Colony, Productivity Road,
Baroda - 390 005.
Tel.No.: 022-6915 6100 / 83909 17431
E-mail : acplmumbai.sales@avconcontrols.com

EASTERN

Kolkata
720, 7th Floor, 33/1, N.S. Road,
Marshall House, Kolkata - 700 001.
Tel.No.: 033-4068 1180 / 77109 00889
E-mail : acplmumbai.sales@avconcontrols.com

SOUTHERN

Chennai
249, First Floor, Tiny Sector
Ambattur Industrial Estate,
Chennai - 600 058
Tel.No.: 044-4807 4107 / 089393 12809
E-mail : acplmumbai.sales@avconcontrols.com

Hyderabad
SSR ENCLAVE, Plot No. 81, Road No.4,
Vasanth Nagar, Nizampet X Roads
(Near JNTU College Metro Station),
Hyderabad - 500085.
Tel.No.: 7995086416
E-mail : acplmumbai.sales@avconcontrols.com

Bangalore
Tel.No.: 084312 56574
E-mail : acplmumbai.sales@avconcontrols.com

NORTHERN

New Delhi
Unit No. 708, 7th Floor, 94
Meghroot, Nehru Place,
New Delhi - 110019
Tel.No.: 011-42639736 / 88282 69844
E-mail : acplmumbai.sales@avconcontrols.com

avcon®
Manufactured by:

AVCON CONTROLS PVT. LTD.

Plot No. 65, Road No.13, MIDC Marol,
Andheri (East), Mumbai - 400 093 (INDIA).
Phone : +91-22-6915 6100.

E-mail : avcon@avconcontrols.com
acplmumbai.sales@avconcontrols.com
Website : www.avconcontrols.com