

3/2 Way Metal Body Ball Valves with Rotary Electric Actuators Full Port ('L' & 'T' Port).

DATA SHEET
BV-2530F/2531R

Model 2531F is close coupled Valve / Model 2530F is Bracket mounted Valve .

SPECIFICATIONS

Size	: 15mm (1/2") to 65mm(2½")
Body and End Pieces	: Investment Casted Cast Steel ASTM A216 WCB or Stainless Steel ASTM A351 CF8 (SS304) or CF8M (SS316).
Ball	: Stainless Steel AISI 316 bar stock.
Design	: As per API 607 Std.
Stem & Stem Nut	: Stainless Steel AISI 316.
Ball Seat & Seals	: Reinforced PTFE /RPTFE.
Body Gasket	: PTFE.
Antistatic device	: Stainless Steel AISI 316.
Pressure-temp. rating	: As per ASME B 16.34 Class 300.
Body Pr. Rating	: As per ASME B 16.34 Class 300
End connection	: Screwed/Flanged.
Screwed end	: 15mm(½") to 65mm (2½") BSP/NPT.
Flanged End	: 15mm (1/2") to 65mm (2½") - Flanged to ASME B16.5 Cl.150.
Leakage Class	: As per ANSI-FCI-70-2. Teflon seating Class VI.
Characteristics	: On-Off.
Temp. (max).	: 155°C with bracket mount. If temperature is lower than 100°C, Valves are available with Direct mounted Electrical Actuator at Economical Price.



ACTUATOR:

Refer to table below:

Voltage	: 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 for automation Extra Limit Switches, Potentiometer, Remote Position Indicator, 4 to 20 mA Interphase Unit, IP-67 Protection.
- : Highly reliable, long life, Simple in construction and maintenance free Ball Valve.
- : For air, water, oil, gas, corrosive chemicals, combustion equipment, Power stations, Hydro-Electric Power Generation, Chemical and Petrochemical Industries.

Sales Point

Application

Model 2531F is close coupled Valve & Actuator for Air, Water, Oil & Gas (Temp. 80°C).

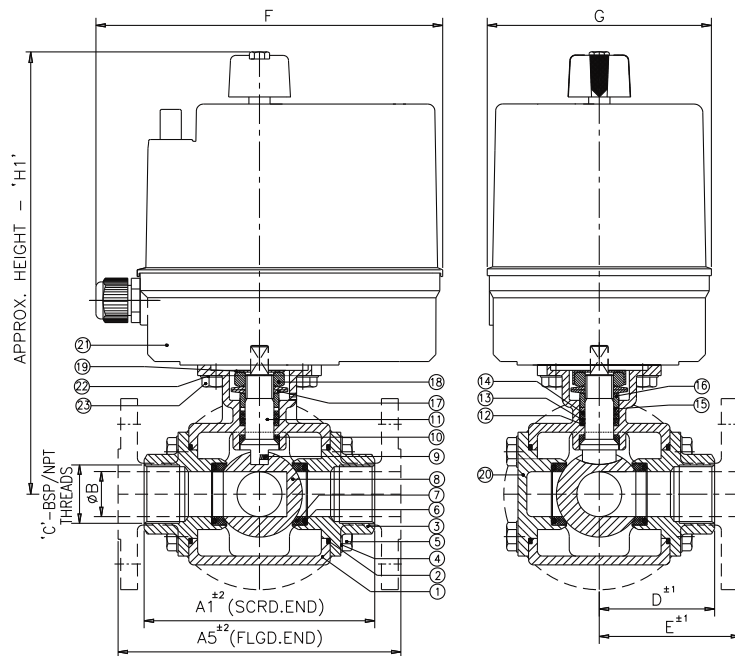
Model 2530F is Bracket mounted Valve & Actuator for Air, Water, Oil, Gas & Steam (Temp. upto 155°C).

SPECIFICATION TABLE

Catalogue Number	Size		Orifice Size	Flow Factor Kv	Safe Working Pressure	Working Pressure	Actuator Type D or E	Opening/ Closing Time Approx.	Power Consumption
	Inch	mm	mm	M³/hr	bar	bar	EA	Secs.	Watts
2530F15	1/2	15	15	10.4	40	12	EA-21	20	15
2530F20	3/4	20	20	27.5	40	12	EA-21	20	15
2530F25	1	25	25	48.0	40	12	EA-21	30	15
2530F40	1½	40	40	103.0	40	12	EA-50	30	18
2530F50	2	50	50	206.0	40	12	EA-70	30	18
2530F65	2½	65	65	275.0	40	12	AM-09	30	40

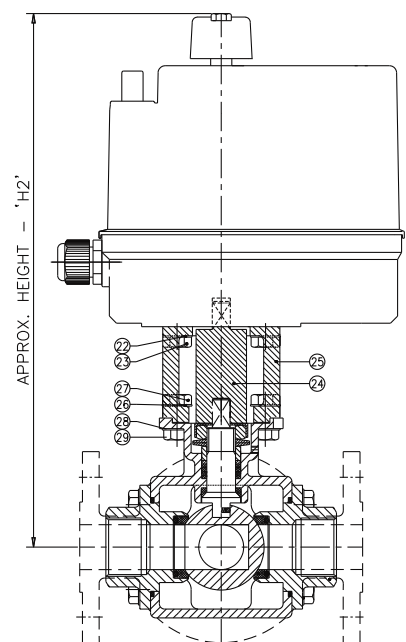
Note: All 3-way Motorised Valves are 'Motorised to Open or Motorised to Close Type' only. Spring Return-Fail Safe Types are Not Available.

CATALOGUE No.-2531FXXX



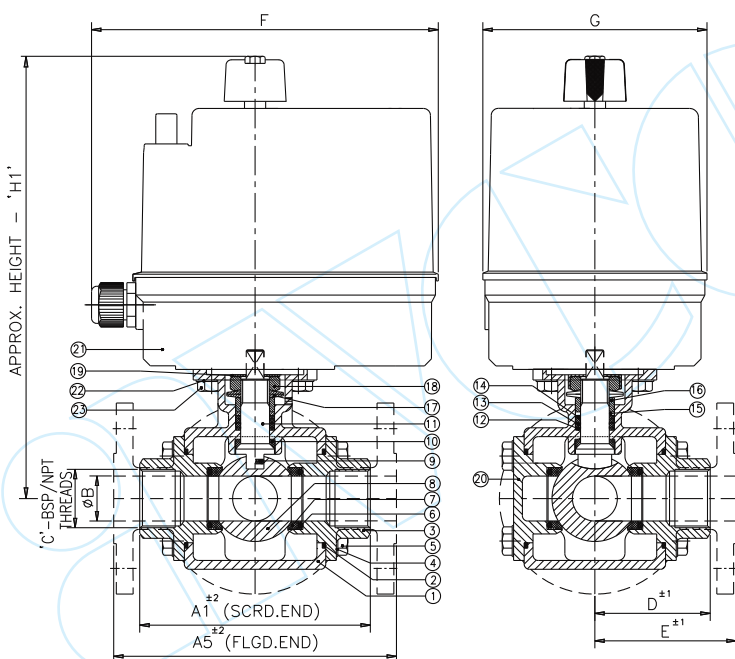
HORIZONTAL L-PORT, 3WAY BALL VALVE WITH
CLOSE COUPLED ELECTRIC ACTUATOR.

CATALOGUE No.-2530FXXX



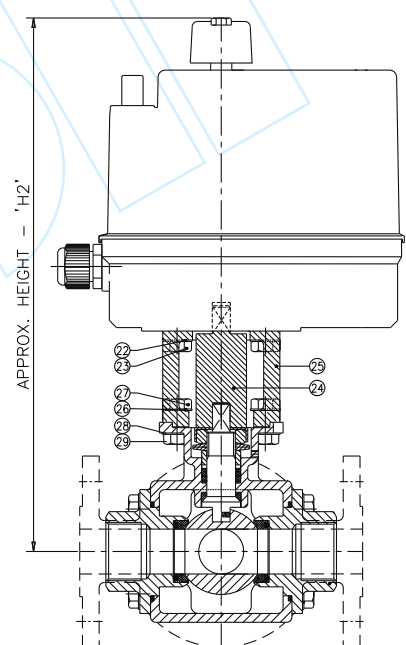
HORIZONTAL L-PORT, 3WAY BALL VALVE WITH
ELECTRIC ACTUATOR MOUNTED WITH ADAPTOR &
BRACKET ARRANGEMENT FOR HIGH TEMP. FLUIDS.

CATALOGUE No.-2539FXXX

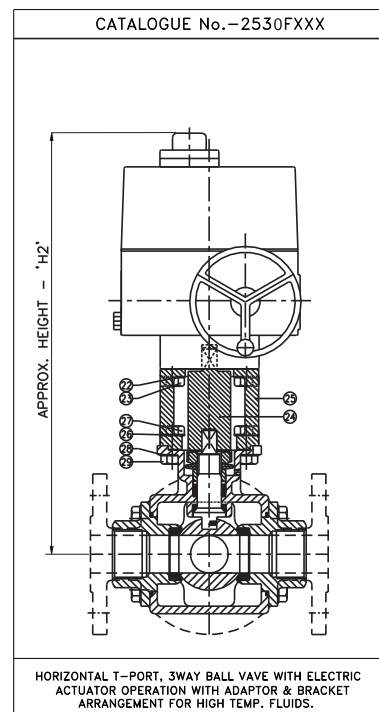
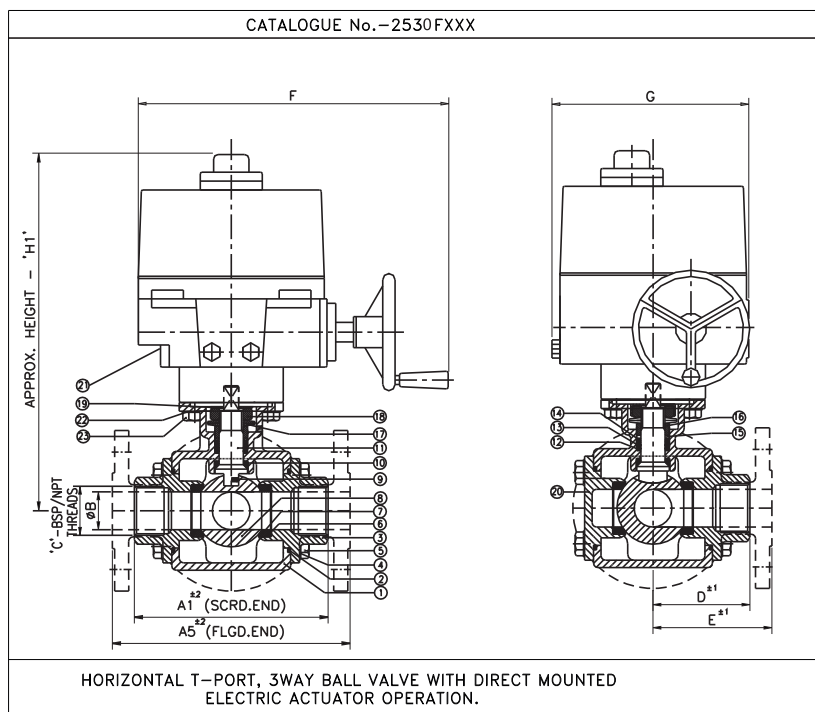


HORIZONTAL T-PORT, 3WAY BALL VALVE WITH
CLOSE COUPLED ELECTRIC ACTUATOR.

CATALOGUE No.-2538FXXX



HORIZONTAL T-PORT, 3WAY BALL VALVE WITH
ELECTRIC ACTUATOR WITH ADAPTOR & BRACKET
ARRANGEMENT FOR HIGH TEMP. FLUIDS.



BILL OF MATERIAL

Sr.No	Description	Material	Sr.No.	Description	Material	Sr.No.	Description	Material
1	Body	CF8M/CF8/WCB	11	Stem	AISI-316	21	Electric autuator	STD-EA21/EA50/EA70
2	Flat ring*	PTFE	12	Gland packing - bottom*	PTFE	22	Spring washer	SS-304/M.S.plated
3	End piece	CF8M/CF8/WCB	13	Gland packing*	PTFE	23	Hexagonal bolt	SS-304/M.S.plated
4	Spring washer	SS-304/m.s.plated	14	Gland packing-top*	PTFE	24	Adaptor	EN-8
5	Hexagonal bolt	SS-304/m.s.palted	15	Bushing	AISI-316	25	Bracket	EN-8
6	Seat O- ring*	EPDM	16	Gland bush	AISI-316	26	Spring washer	SS-304/M.S.plated
7	Seat	PTFE	17	Belleville washer	AISI-304	27	Hexagonal bolt	SS-304/M.S.plated
8	Ball (L/T-port)	AISI-316	18	Lock nut	AISI-304	28	Spring washer	SS-304/M.S.plated
9	Antistatic device	SS-316	19	Lock washer	AISI-304	29	Hexagonal nut	SS-304/M.S.plated
10	Stem seal	RPTFE(25%GFT)	20	Tail piece	CF8M/CF8/WCB			

*Spare Parts

DIMENSIONS IN (MM)

Catalogue Number	Valve size (NB)		A1	A5	C	D	E	F	G	Approx Height		Electric Actuator	Approx. Weight In Kgs			
	Inch	mm								H1	H2		2530/2538FXX1	2530/2538FXX5	2531/2539FXX1	2531/2539FXX5
253XF151/155	1/2"	13	85	130	1/2"	42.5	65	175	105	200	235	EA21	3.9	5	4.4	5.5
253XF201/205	3/4"	19	108	150	3/4"	54	75	175	105	210	245	EA21	4.4	5.8	4.9	6.3
253XF251/255	1"	25	130	160	1"	65	80	175	105	219	269	EA21	6.3	7.8	6.9	8.4
253XF351/355	1 1/2"	38	165	200	1 1/2"	82.5	100	200	130	260	310	EA50	11.4	14.6	12	15.2
253XF501/505	2"	51	170	230	2"	85	115	200	130	285	335	EA70	18.75	24.25	19.45	24.95
253XF651/655	2 1/2"	64	196	290	2 1/2"	98	145	326	181	400	470	AM 09	30.05	35.55	30.75	36.25

Note :- While booking 3-way ball valve , stockist / distributor / sales engineers should insist our customer to select a L - port / T- port ball - position from the following option as per the service condition / application of the valve & forward the same document along with purchase order to **AVCON**.

VIEW FROM TOP SHOWING VARIOUS AVCON MAKE HORIZONTAL L-PORT / T-PORT BALL VALVES, BALL POSITION WITH CLOCKWISE/COUNTER-CLOCKWISE ROTATION

AVCON MAKE 90° OPERATION HORIZONTAL L-PORT, BALL VALVE (SERIES-2330/2331)		AVCON MAKE 90° OPERATION HORIZONTAL T-PORT, BALL VALVE (SERIES-2338/2339)			
HLP-1	HLP-2	HTP-1	HTP-2	HTP-3	HTP-4
L-PORT BALL POSITION BEFORE ELECTRIC SUPPLY GIVEN TO THE ELECTRIC ACTUATOR.	L-PORT BALL POSITION BEFORE ELECTRIC SUPPLY GIVEN TO THE ELECTRIC ACTUATOR.	T-PORT BALL POSITION BEFORE ELECTRIC SUPPLY GIVEN TO THE ELECTRIC ACTUATOR.	T-PORT BALL POSITION BEFORE ELECTRIC SUPPLY GIVEN TO THE ELECTRIC ACTUATOR.	T-PORT BALL POSITION BEFORE ELECTRIC SUPPLY GIVEN TO THE ELECTRIC ACTUATOR.	T-PORT BALL POSITION BEFORE ELECTRIC SUPPLY GIVEN TO THE ELECTRIC ACTUATOR.
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POSITION AFTER 90° CLOCKWISE ROTATION	POSITION AFTER 90° COUNTER CLOCKWISE ROTATION	POSITION AFTER 90° CLOCKWISE ROTATION	POSITION AFTER 90° COUNTER CLOCKWISE ROTATION	POSITION AFTER 90° CLOCKWISE ROTATION	POSITION AFTER 90° COUNTER CLOCKWISE ROTATION

HLP - Horizontal L-Port Positon

HTP - Horizontal T-Port Position

Note:

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

Page No. 204

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, Sampatraya Colony, Productivity Road, Baroda - 390 005. Tel.No.: 022-6915 6100 / 83909 17431 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

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	
NORTHERN	
New Delhi Unit No. 708, 7th Floor, 94 Meghdoot, 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