

2 Way Isolation Ball Valves for Gas

2 Piece Design - Series 2090F

3 Piece Design - Series 2070F

FEATURES

- High performance, full bore construction, Anti- static design
- 2 piece valves with solid design and 3 piece valves with body swing-out design for sturdy performance
- Floating ball mechanism for tight shut- off at all pressures.
- Three layers of "V" design Chevron packing in the gland to block all passages and improve sealing.
- Unique sealing design reduces operating torque
- Pyramidal & double sealing stem with stem seal provides optimum sealing even in rapid cycle operation.
- Blow- out proof stem for higher safety.
- Unique gland bush design offers equally distributed compressive force on the packing seals
- Exclusive mounting pad design to enable easy interface with pneumatic or electrical rotary actuator.
- Lockable manual lever to avoid accidental operation.

TECHNICAL SPECIFICATIONS

- Body & End Piece : Investment Casting Cast Steel as per ASTM A 216 Gr. WCB or Stainless Steel as per ASTM A 351 Gr. CF8M
- Ball : Stainless Steel AISI 316
- Design : Fire Safe in accordance with API 607 (2090 Series)
- Stem & Stem Nut : Stainless Steel AISI 316
- Body Gasket : Soft Seat Teflon (PTFE)
- Antistatic Device : Stainless Steel AISI 316
- End Connection : Screwed to BSP/NPT (F) (2070F design) Flanged to ANSI B 16. 5, Class 150 RF (2090F design) (DIN PN 16 flanges available on request)
- Leakage Class : As per FCI-70-2, Class VI
- Pressure Rating : As per BS 5351 Class 300
- Working Temperature : Maximum 200°C
- Characteristics : On-Off
- Fluids/ Applications : For air, water, oil, gas, corrosive chemicals, Combustion equipments, power stations, Hydro Electric/ Nuclear Power Generation Plants, Chemical & Petrochemical Industries

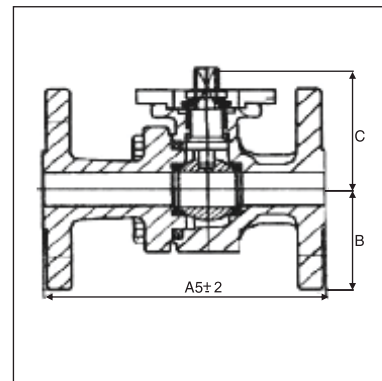
SPECIFICATION TABLE FOR 2 PIECE DESIGN VALVES

Catalogue No.	Size		Orifice Size	Flow Factor Kv	Working Pressure	Hydrostatic Test Pressure
	Inches	mm	mm	m3/hr	Bar	Bar
2090 F 155	1/2	15	15	11.00	16	40
2090 F 205	3/4	20	20	28.00	16	40
2090 F 255	1	25	25	48.00	16	40
2090 F 405	1 1/2	40	40	103.00	16	40
2090 F 505	2	50	50	206.00	16	40
2090 F 655	2 1/2	65	65	275.00	16	40
2090 F 805	3	80	80	498.00	16	40
2090 F 1005	4	100	100	875.00	16	40
2090 F 1505	6	150	150	1920.00	16	40



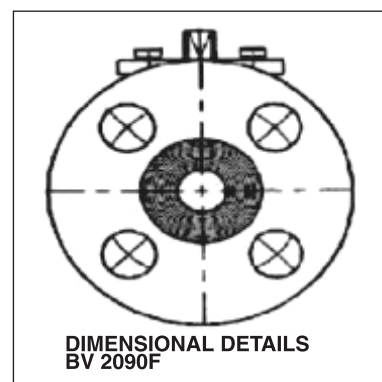
DIMENSIONAL DETAILS TWO PIECE DESIGN SERIES 2090F/A*

Catalogue No	Size		A5	B	C
	Inch	mm	mm	mm	mm
2090F / A 155	1/2	15	108	45	54
2090F / A 205	3/4	20	118	49	57
2090F / A 255	1	25	127	54	70.5
2090F / A 405	1 1/2	40	165	64	90
2090F / A 505	2	50	173	76	99.5
2090F / A 655	2 1/2	65	190	89	134
2090F / A 805	3	80	203	96	145
2090F / A 1005	4	100	229	115	170.5
2090F / A 1505	6	150	394	139.5	197.5



SPECIFICATION TABLE FOR TWO PIECE DESIGN VALVES

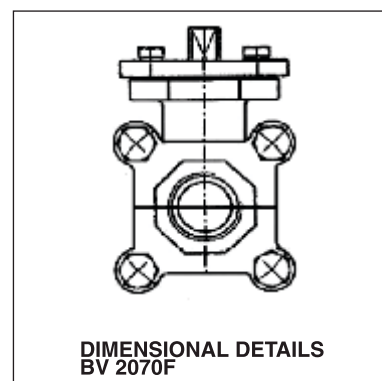
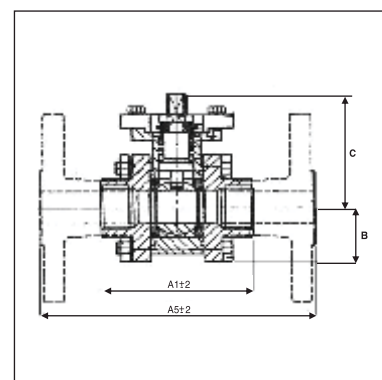
Catalogue No	Size		Orifice Size	Flow Factor Kv	Working Pressure	Hydrostatic Test Pressure
	Inches	mm	mm	m3/hr	Bar	Bar
2090 F / A 155	1/2	15	15	11.00	16	40
2090 F / A 205	3/4	20	20	28.00	16	40
2090 F / A 255	1	25	25	48.00	16	40
2090 F / A 405	1 1/2	40	40	103.00	16	40
2090 F / A 505	2	50	50	206.00	16	40



DIMENSIONAL DETAILS THREE PIECE DESIGN SERIES 2070F*

Catalogue No.	Size		A1	A5	B	C
	Inch	mm	mm	mm	mm	mm
2070F151	1/2	15	71	130	26	54
2070F201	3/4	20	96	150	30	57
2070F251	1	25	109	160	34	70.5
2070F401	1 1/2	40	129	200	44	90
2070F501	2	50	142	230	70	99.5

* F= DIN PN16, A=ANSI CL.150RF



Note:

Technical specifications and 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,
Sampatrao 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 - 500065.
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