

aira offers ISO 5211 Standard Pneumatic Actuator as well as manual Hand lever Operated High Pressure Ball Valve engineered for High Pressure fluid up to 200° Kg / Cm

Size Range : 1/2" to 2" Screwed / Flanged

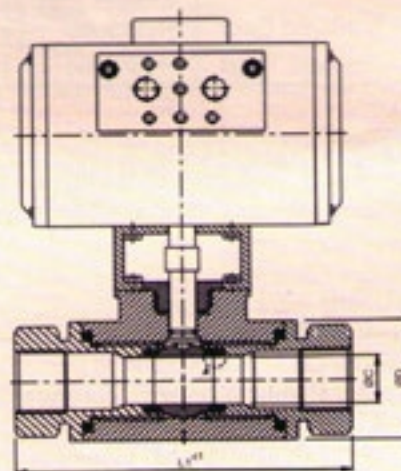
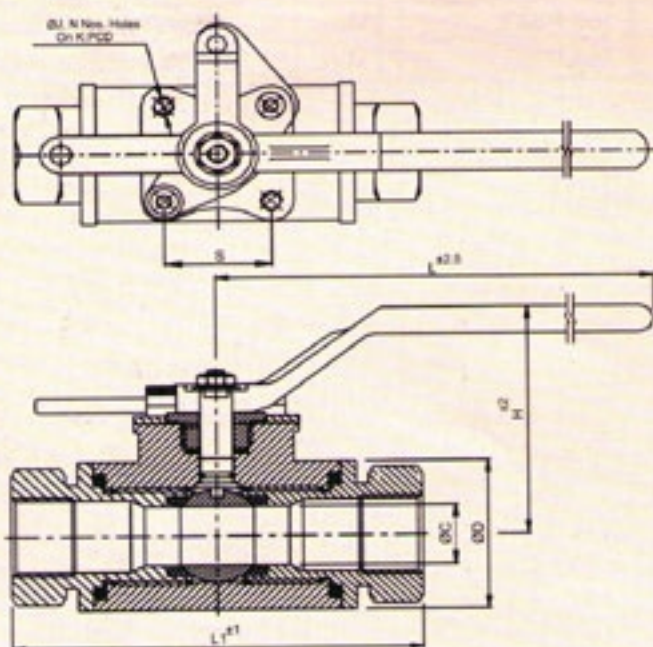
Ball Valve

Technical Specifications :

Body	ASTM A216 Gr. WCB / ASTM A351 Gr. CF 8 - CF 8M
Ball	Stainless Steel AISI 304 / 316
Stem	Stainless Steel AISI 304 / AISI 316
Gland	Stainless Steel AISI 304 / AISI 316
Seat Packing	PTFE / 35% Carbon Filled PTFE
Gland Packing	Grafoil / Graphite / PTFE
Pressure	200 Kgs (3000 WOG)
End Connection	Screwed to - BSP / NPT Socket Weld Ends Flanged to - ANSI B16.5 Class 1500



Item	Type of Test	Testing Pressure	Working Pressure
Valve Body Screwed End	Hydraulic	300 Kg	200 Kg



Detail 'A'

Dimensions :

(All dimensions are in MM)

SIZE	L	L1	H	ØC	ØD	S	ØJ	N	PCD	Weight for Manual B-V
1/2"	165	98	75	12.7	39	25.4	M5X0.8	04	36	1.330
3/4"	205	108	90	17.5	48	29.5	M6X1	04	40	1.440
1"	205	105.5	93	22.3	55.5	29.5	M6X1	04	40.5	2.100
1. 1/4"	255	133	124	31.8	76.5	35.3	M6X1	04	51.5	4.850
1.1/2"	225	133	124	31.8	76.5	35.3	M6X1	04	51.5	4.280
2"	255	159	130	38.1	76.5	35.3	M6X1	04	51.5	7.420

ISO 5211 Pneumatic Actuator Operated 3Way - 4way - 5way Ball Valve

"aira" offers ISO 5211 Standard Pneumatic Rotary Actuator Operated "Three Way - Four Way" Design Investment Casting CF8 / CF8M / WCB Ball Valve, engineered for multiple Diverting / Mixing operations in the down stream.
TYPE : "T" - PORT / "L" - PORT / "X" - PORT In Full Bore / Reduce Bore

Size Range : 1/2" to 8" Screwed / Flanged / Triclover / Socket Weld



Actuator

Type	Rack and Pinion Type
Actuation	Double Acting / Single Acting (Spring Return)
Mounting Std.	ISO 5211 An International Standard
Pneumatic Connections	NAMUR Standards

For more details please refer Catalogue APL/1001

Technical Specifications :

Ball Valve

Body	ASTM A351 Gr. CF 8 - CF 8M / ASTM A216 Gr. WCB
Ball	ASTM A351 Gr. CF 8 - CF 8M
Stem	Stainless Steel AISI 304 / AISI 316
Gland	Stainless Steel AISI 304 / AISI 316
Seat & Seals	PTFE (Glass Filled, Carbon Filled Teflon - Optional in case of high temp.)
Working Pressure	ANSI 150 / ANSI 300 / PN 16 - ,PN 40 PN25
Temperature Range	-25 °C to 180 °C
End Connection	Screwed to BSP / NPT Flanged to ANSI 150 / ANSI 300 / PN 16 Triclover end / SOCKET WELD (On Request)

Accessories :

- On / Off Indicator
- NAMUR Standard Solenoid Valve in all Standard Coil Voltage (Flame Proof Solenoid Coil - on request)
- Dec clutchable Manual Over - ride
- Limit Switches for On / Off Indication at Panel board
- Filter + Regulator Combination with Pressure Gauge
- Air Lock Valve

Features :

- Body & End are Investment Cast
- Self adjusting stem packing
- Available in 3 way & 4 way & 5 Way L - Port / T Port / X Port
- 4 piece ball seats
- Blow - out proof stem design / Anti Blow - out proof stem Design
- 100% air tested under water at 80 - 100 psi
- ISO 5211 direct mounting pad

FLOW PATTERNS

3-WAY

"L" Port 3-90°



"T" Port 3-90°



"T" Port 4-90°



4-WAY

"L" Port 5-180°



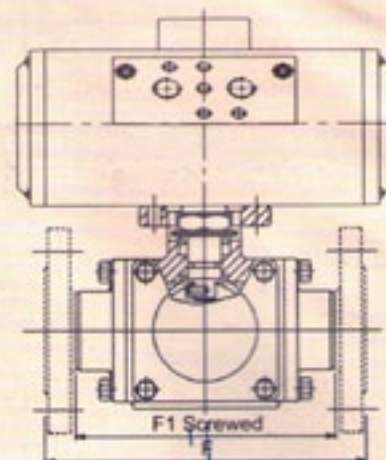
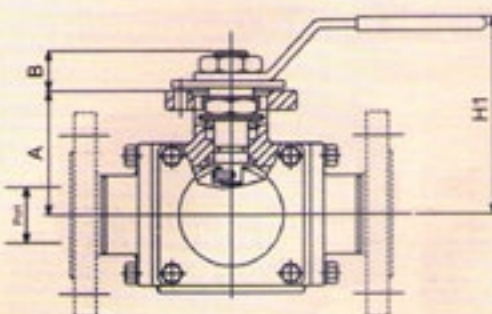
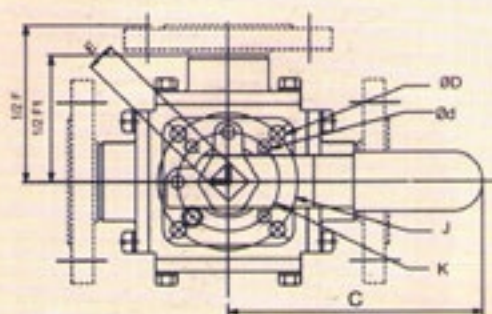
"T" Port 5-180°



"X" Port-90°



3 Way - 4 Way Ball Valve - Screwed / Flanged End



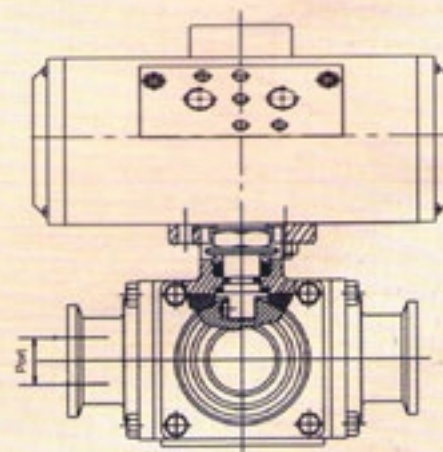
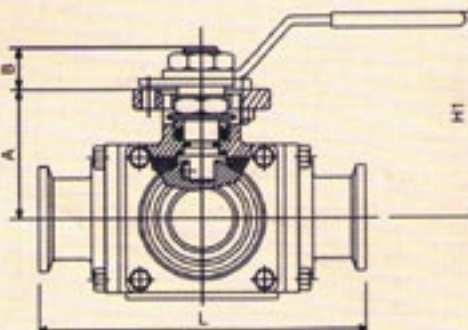
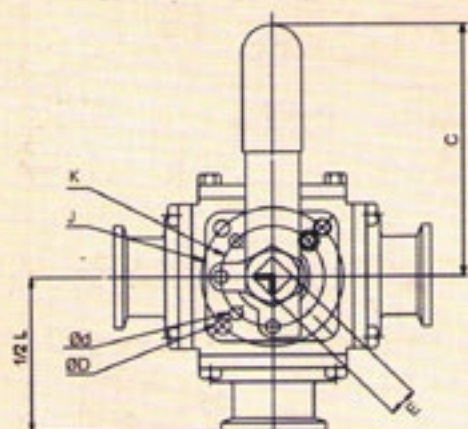
Dimensions :

(All dimensions are in MM)

Valve Model	Valve Size		A	B	C	Ød	ØD	H1	K	J	E	Port	F			F1	Weight (Approx.)		Weight Approx Actuator Operated	
	MM	Inch											150	300	PN16		S/E	F/E	S/E	F/E
SUZ - 503 - 15	15	1/2	41	11	125	6.0	6.0	67.0	36	42	9	15	151	160	160	104	1.750	3.100	2.250	4.440
SUZ - 503 - 20	20	3/4	49	14	160	6.0	7.1	80.8	42	50	11	19.5	167	177	177	112	2.350	4.00	3.050	5.800
SUZ - 503 - 25	25	1	55	14	160	6.0	7.1	87.5	42	50	11	25.7	192	200	190	128	3.350	5.400	4.350	7.650
SUZ - 503 - 32	32	1 1/4	55	14	160	6.0	7.1	87.5	42	50	11	32	208	218	208	140	3.500	-	5.050	-
SUZ - 503 - 40	40	1 1/2	74	18	205	7.1	9.2	114	50	70	14	38	219	234	234	163	7.950	11.00	10.100	15.600
SUZ - 503 - 50	50	2	93	23	325	9.2	11.4	140	70	102	17	49	253	273	273	190.5	13.500	19.500	16.550	26.450
SUZ - 503 - 65	65	2 1/2	119	25	600	-	11.5	250	-	102	22	62	302	-	-	293	-	25.15	-	35.200
SUZ - 503 - 80	80	3	125.5	25	600	-	11.5	285	-	102	22	76	303	-	-	318.5	-	33.450	-	46.300
SUZ - 503 - 100	100	4	154.5	25	600	-	11.5	330	-	102	22	96	370	-	-	367	-	58.00	-	80.050
SUZ - 503 - 150	150	6	159	-	1150	-	-	400	-	102	27	150	422	-	-	-	-	-	-	82.100
SUZ - 503 - 200	200	8																		

On Request

3 Way - 4 Way Ball Valve - Triclover End



Dimensions :

(All dimensions are in MM)

Valve Model	Valve Size		A	B	C	Ød	ØD	H1	K	J	E	Port	L
	MM	Inch											
SUZ - 504 T 15	15	1/2	41	11	125	6.0	0.6	67.0	36	42	9	12.5	133
SUZ - 504 T 20	20	3/4	49	14	160	6.0	7.1	80.8	42	50	11	17	140
SUZ - 504 T 25	25	1	55	14	160	6.0	7.1	87.5	42	50	11	22	160
SUZ - 504 T 40	40	1 1/2	74	18	205	7.1	9.2	114	50	70	14	35	183
SUZ - 504 T 50	50	2	93	23	325	9.2	11.4	140	70	102	17	47	217
SUZ - 504 T 65	65	2 1/2	73.5	25	-	-	11.5	250	-	102	22	-	-
SUZ - 504 T 80	80	3	81.5	25	-	-	11.5	285	-	102	22	-	-
SUZ - 504 T 100	100	4	99.5	25	-	-	11.5	330	-	102	22	-	-

Catalogue No.

APL / 1032

High Pressure Ball Valves 500 Kg.

Forged S/Steel 304 / 316 / WCB



Size Range : 1/4" To 2" Screwed

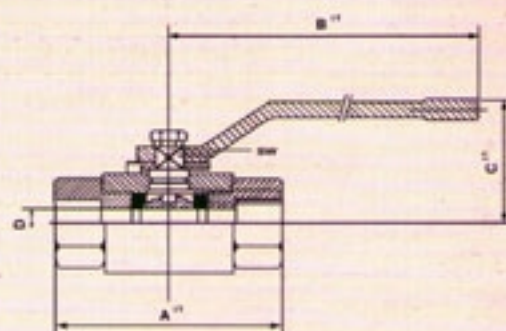
Technical Specifications :

Body	Forged CS/SS
Adaptor	CS/SS
Ball	SS 304/316
Stem	SS 304
'O' Ring	Viton
Washer	PTFE
Stopper Pin	SS 304
Cam Plate	MS
Washer	Spring Steel
Bolt	CS
Handle	CSPowder Coated
Pressure	500 Kg.
Temperature	80 °C (High Temp. Available)
Media	Air, Water, Oil, & Gas

Dimensions :

(All dimensions are in MM)

Valve Model	Size	Test Pressure PN Bar	A	B	C	D	SW	Weight (Approx)		
								SS/HP	CS/MP	CS/HP
AWA - 6	1/4"	700	48	50	50	6	9	0.185	-	0.185
AWA - 10	3/8"	500	82	145		10	9	0.880	-	0.770
AWA - 15	1/2"	500	84	145		12	9	0.865	0.435	0.750
AWA - 20	3/4"	500	95	195		20	14	1.835	0.840	1.790
AWA - 25	1"	325	111	195		25	14	2.455	1.190	2.390
AWA - 40	1 1/2"	275	125	195		40	16	5.335	-	3.940
AWA - 50	2"	200	140	195		50	16	8.650	-	8.740



Catalogue No.

APL / 1033

High Pressure Needle Valves

700 kg. / 350 Kg. / 70 Kg.



Size Range : 1/4" To 2" Screwed

Technical Specifications :

Body	Forged S.S. (M.S. & Brass Body Available)
Pressure	Upto 10000 PSI (700 Kg/Cm ²)
Temperature	360 °C (High Temperature available on Request)
Media	Air, Water, Oil & Gas

Dimensions :

(All dimensions are in MM)

Valve Model	Size	A	B	C	D (Close Position)	Weight (Approx)		
						SS/HP 700 Kg.	SS/MP 350 Kg.	SS/LP 70 Kg.
HNV - 6	1/4"	65	28	50	115	0.520	0.345	0.255
HNV - 10	3/8"	65	28	50	115	0.570	0.360	0.240
HNV - 15	1/2"	70	32	50	125	0.630	0.415	0.285
HNV - 20	3/4"	75	35	50	130	0.850	0.720	0.490
HNV - 25	1"	75	42	55	135	1.075	0.940	0.645
HNV - 40	1 1/2"	100	62	55	145	1.835	-	-
HNV - 50	2"	100	75	60	160	-	-	-

