

"aira" offers ISO 5211 Standard Pneumatic Rotary Actuator Operated "FIRE SAFE" Two Piece Design Ball Valve, engineered for multiple ON/OFF operations in the highly inflammable fluids.

**Size Range : 1/2" to 12" Screwed / Flanged / Triclover**

**Actuator**

**Technical Specifications :**

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

For more details please refer Catalogue APL/1001

**Ball Valve**

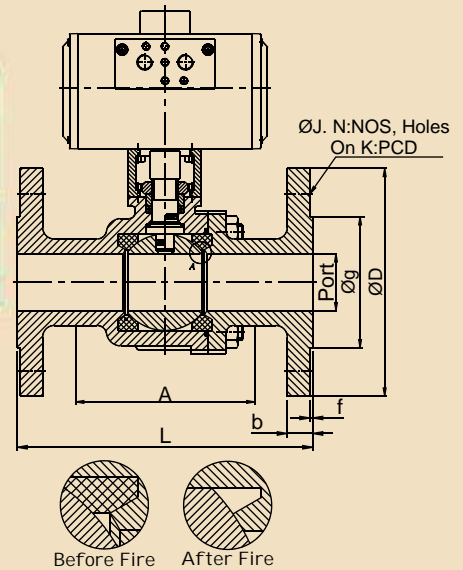
Body	ASTM A216 Gr. WCB / ASTM A351 Gr. CF8 - CF8M
Ball	ASTM A351 Gr. CF8 - CF8M
Stem	Stainless Steel AISI 304 / AISI 316 / AISI 410
Gland	Stainless Steel AISI 304 / AISI 316 / M.S.
Seat Packing	PTFE / 25% Carbon Filled PTFE / GFT / Grafite
Gland Packing	Grafoil / Graphite / PTFE / CFT
End Connection	Screwed to - BSP / NPT Socket Weld Ends to ANSI B16.11 Flanged to - ANSI B16.5 Class 150 / 300 Triclover Ends - On request



Item	Type of Test	Testing Pressure	Working Pressure	Operating Temperature (High Temp. On Request)
Actuator	Pneumatic Bubble Test	180 PSIG	45 To 150 PSIG	-20 °C to 80 °C
Valve Body Screwed End	Hydraulic	450 PSIG	315 PSIG	Max. 180 °C
Valve Body Flanged 150#	Hydraulic	450 PSIG	315 PSIG	Max. 180 °C
Valve Body Flanged 300#	Hydraulic	1125 PSIG	815 PSIG	Max. 180 °C

**Accessories :**

- On / OFF Indicator
- NAMUR Standard Solenoid Valve in all Standard Coil Voltage (Flame Proof Solenoid Coil - on request)
- I/P Transducer (Converter)
- Pneumatic valve positioner
- Electro-Pneumatic valve positioner
- Declutchable Manual Over - ride
- Limit Switches for On / Off Indication at Panel board
- Filter + Regulator Combination with Pressure Gauge
- Air Lock Valve



Detail 'A'

(All Dimensions are in mm)

**Dimensions :**

Valve Model	Valve Size		Flanged 150#											Flanged 300#										
	MM	Inch	A	Weight	L	b	f	Port	g	D	J	N	K:PCD	Weight	L	b	f	Port	g	D	J	N	K:PCD	
RBI - 15	15	1/2"	68	1.160	107.95	9.65	1.6	12.5	35.05	88.9	15.75	4	60.45	1.960	139.7	14.22	1.6	12.5	35.05	95.25	15.75	4	60.45	
RBI - 20	20	3/4"	72	1.620	117.35	10.41	1.6	17	42.95	98.56	15.75	4	69.85	2.720	152.4	15.75	1.6	17	35.05	117.35	15.75	4	69.85	
RBI - 25	25	1"	84	1.920	127.0	11.18	1.6	24	50.8	107.9	15.75	4	79.25	3.170	165.1	17.53	1.6	24	42.95	123.95	15.75	4	79.25	
RBI - 32	32	1.1/4"	107	3.470	139.7	12.78	1.6	30	63.5	117.34	15.75	4	88.9	5.120	177.8	19.05	1.6	30	50.0	133.35	15.75	4	88.9	
RBI - 40	40	1.1/2"	119	4.070	165.1	14.22	1.6	37	73	127	15.75	4	98.55	6.520	190.5	20.57	1.6	37	63.5	155.44	15.75	4	98.55	
RBI - 50	50	2"	130	4.970	177.8	15.75	1.6	49	91.95	152.4	19.05	4	120.65	8.870	215.9	22.35	1.6	49	73	165.1	19.05	4	120.65	
RBI - 65	65	2.1/2"	155	8.600	190.5	17.53	1.6	64	104.65	177.8	19.05	4	139.7	13.550	241.3	25.4	1.6	64	91.9	190.5	19.05	4	139.7	
RBI - 80	80	3"	175	14	203.2	19.05	1.6	75	127	190.5	19.05	4	152.4	19.650	282.4	28.44	1.6	75	104.6	209.55	19.05	4	152.4	
RBI - 100	100	4"	210	21.900	228.6	23.88	1.6	98	159.23	220.6	19.05	8	190.5	30.750	304.8	31.75	1.6	98	127	254	19.05	8	190.5	
RBI - 150	150	6"	-	-	266.8	25.4	1.6	148	216	279.4	22.35	8	241.3	65	403.3	36.75	1.6	148	157.2	317.5	22.35	8	241.3	
RBI - 200	200	8"	-	-	292.1	28.45	1.6	196	269.75	342.9	22.35	8	298.45	86	419.1	36.57	1.6	190	216	381	22.35	8	298.45	
RBI - 250	250	10"	-	-	330.2	30.23	1.6	248	323.85	406.4	25.4	12	361.95	135	457.2	41.15	1.6	248	269.7	444.5	25.4	12	361.95	
RBI - 300	300	12"	-	-	609.6	31.75	1.6	298	381	482.6	25.4	12	431.8	-	647.7	47.75	1.6	298	323.8	520.7	25.4	12	431.8	

Note : Since, constant worldwide advancement in technology, we keep our rights reserved to make changes time to time in Technical specifications and Dimensions without prior notice.