

"aira" offers ISO 5211 Standard Pneumatic Rotary Actuator Operated Investment Casting WCB / CF8 / CF8M / Ball Valve in Three Piece design, engineered for multiple ON/OFF operations in the down stream.

Size Range : 1/2" to 14" Screwed / Flanged / Triclover / Socket weld

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 Standards

Ball Valve

For more details please refer Catalogue APL/1001

Body	ASTM A216 Gr. WCB / ASTM A351 Gr. CF 8-CF8M
Ball	ASTM A351 Gr. CF 8 - CF 8M
Stem	Stainless Steel AISI 304 / AISI 316 / AISI 410
Gland	Stainless Steel AISI 304 / AISI 316 / M.S
Seat & Seals	PTFE (Glass Filled, Carbon Filled Teflon - Optional in case of high temp.)
End Connection	Screwed to - BSP / NPT Flanged to - ANSI B16.5 Class 150 / 300 Table-D,E,F,(On Request) Triclover Ends, Socket weld - On request



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

Note:- Fire Safe Design Available on Request

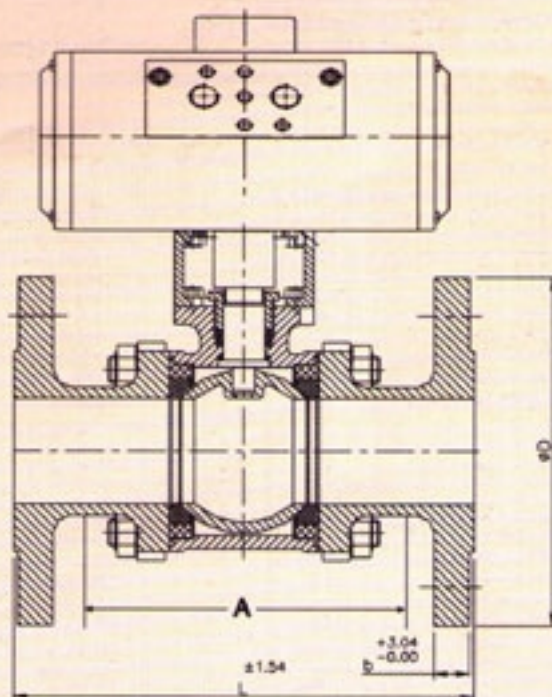
Accessories :

- 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
- Decuttable Manual Over - ride
- Limit Switches for On / Off Indication at Panel board
- Filter + Regulator Combination with Pressure Gauge
- Air Lock Valve

Dimensions :-

(All dimensions are in MM)

Valve Model	Valve Size		A Screwed	L Flanged	b	ØD	Weight (Approx)	
	MM	Inch					S/E	F/E
BMW - 15	15	1/2	68	107.95	9.65	88.9	1.160	1.960
BMW - 20	20	3/4	72	117.35	10.41	98.55	1.620	2.720
BMW - 25	25	1	84	127.0	11.18	107.95	1.920	3.170
BMW - 32	32	1 1/4	107	139.7	12.7	117.35	3.470	5.120
BMW - 40	40	1 1/2	119	165.1	14.22	127.0	4.070	6.520
BMW - 50	50	2	130	177.8	15.75	152.4	4.970	8.870
BMW - 65	65	2 1/2	155	190.5	17.53	177.8	8.600	13.550
BMW - 80	80	3	175	203.2	19.05	190.5	14	19.650
BMW - 100	100	4	210	228.6	23.88	228.6	21.900	30.750
BMW - 125	125	5	-	254.0	23.88	252	-	55
BMW - 150	150	6	-	266.7	25.4	279.4	-	65
BMW - 200	200	8	-	292.1	28.45	342.9	-	86
BMW - 250	250	10	-	330.2	30.23	406.4	-	135
BMW - 300	300	12	-	609.6	31.75	482.6	-	-
BMW - 350	350	14	-	685.8	35.05	533.4	-	-



"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 Standards

Ball Valve

For more details please refer Catalogue APL/1001

Body	ASTM A216 Gr. WCB / ASTM A351 Gr. CF8 - CF 8M
Ball	ASTM A351 Gr. CF 8 - CF 8M
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 / Grafit
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
Actuator	Pneumatic Bubble Test	180 PSIG	45 To 150 PSIG	-20 °C to 80 °C High Temp on request
Valve Body Screwed End	Hydraulic	450 PSIG	315 PSIG	Max. 180 °C (High Temp on request)
Valve Body Flanged 150#	Hydraulic	450 PSIG	315 PSIG	Max. 180 °C (High Temp on request)
Valve Body Flanged 300#	Hydraulic	1125 PSIG	815 PSIG	Max. 180 °C (High Temp on request)

Accessories :

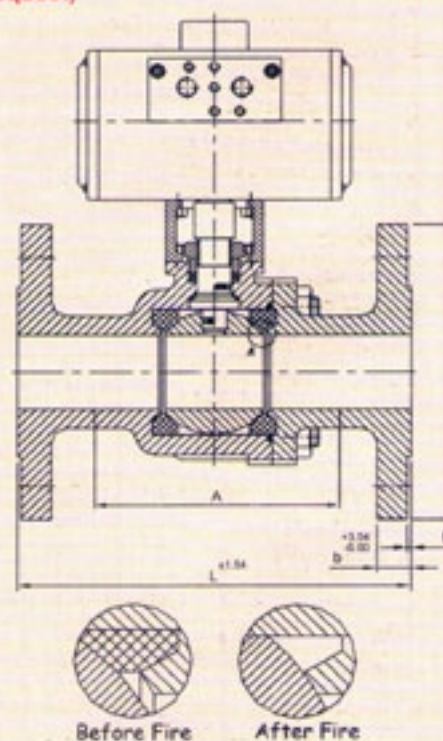
- On / Off Indicator
- NAMUR Standard Solenoid Valve in all Standard Coil Voltage (Flame Proof Solenoid Coil - on request)
- I/P Transducer (Converter)
- Pneumatic valve positioner
- Electro-Pneumatic valve positioner
- Decuttable Manual Over - ride
- Limit Switches for On / Off Indication at Panel board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

Note:- Not Hole Dia. and Pcd is as per ANSI B 16.5 150# Standard

Dimensions :

(All dimensions are in MM)

Valve Model	Valve Size		A		L	f	b	ØD	Weight (Approx)
	MM	Inch	Screwed	Flanged					
RBI - 15	15	1/2	65	107.9	1.6	9.65	88.9	2.000	
RBI - 20	20	3/4	75	117.3	1.6	10.41	98.55	3.000	
RBI - 25	25	1	85	127	1.6	11.17	107.95	3.500	
RBI - 32	32	1¼	110	139.7	1.6	12.7	117.34	6.000	
RBI - 40	40	1½	114	165.1	1.6	14.22	127	7.500	
RBI - 50	50	2	125	177.8	1.6	15.75	152.4	9.000	
RBI - 65	65	2½	150	190.5	1.6	17.53	177.8	14.00	
RBI - 80	80	3	175	203.2	1.6	19.05	190.5	20.00	
RBI - 100	100	4	210	228.6	1.6	23.88	228.6	31.00	
RBI - 150	150	6	-	266.7	1.6	25.4	279.4	90.00	
RBI - 200	200	8	-	292.1	1.6	28.45	342.9	115.00	
RBI - 250	250	10	-	330.2	1.6	30.23	406.4	165.00	
RBI - 300	300	12	-	609.2	1.6	31.75	482.6	-	



Detail 'A'

Catalogue No.

APL / 1005

ISO 5211 Pneumatic Actuator Operated Polypropylene Body Three Piece Design Ball Valve



"aira" offers ISO 5211 Standard Pneumatic Rotary Actuator Operated Polypropylene Body Ball Valve, engineered for multiple ON/OFF operations in the Highly Corrosive Alkalis and Acidic Media.

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

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 Standards

For more details please refer Catalogue APL/1001

Ball Valve

Body	Polypropylene
Ball	Polypropylene
Stem	Carbon Steel with Nylon Rubber Coated
Seat Packing	PTFE
End Connection	Screwed to - BSP Flanged to - BS 10 Table E / Table F / ANSI B 16.5 150#



Item	Type of Test	Testing Pressure	Working Pressure	Operating Temperature
Actuator	Pneumatic Bubble Test	180 PSIG	45 To 150 PSIG	-20 °C to 80 °C High Temp on request
Valve Body Screwed End	Hydraulic	225 PSIG	165 PSIG	Max. 150 °C High Temp on request
Valve Body Flanged 125#	Hydraulic	225 PSIG	165 PSIG	Max. 150 °C High Temp on request

PVDF for Highly Acedic Media Available on Request

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
- Decuttable Manual Over - ride
- Limit Switches for On / Off Indication at Panel board
- Filter + Regulator Combination with Pressure Gauge
- Air Lock Valve

Dimensions :

(All dimensions are in MM)

Valve Model	Valve Size		Screwed	Flanged		
	MM	Inch		ØD	b	L
BMW - PP - 15	15	1/2	127	96	16.5	130
BMW - PP - 20	20	3/4	139	102	14.5	132
BMW - PP - 25	25	1	150	121	18.5	152
BMW - PP - 32	32	1 1/4	172	124	18	162
BMW - PP - 40	40	1 1/2	172	140	18.5	170
BMW - PP - 50	50	2	209	165	22.5	209
BMW - PP - 65	65	2 1/2	248	184	22.5	230
BMW - PP - 80	80	3	250	203	24	254
BMW - PP - 100	100	4	-	229	27	310
BMW - PP - 150	150	6	-	305	28	477
BMW - PP - 200	200	8	-	368	30	477
BMW - PP - 250	250	10	-	432	31	560
BMW - PP - 300	300	12	-	489	31	580

