

PNEUMATIC ROTARY ACTUATOR OPERATED 3 pc. Design Ball Valve

 Catalogue No.
A4PL / 1002
4Matic

offers ISO 5211 Standard Pneumatic Actuator Operated Investment Casting WCB / CF8 / CF8M / CF3M 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

Item	Type of Test	Testing Pressure	Working Pressure	Operating Temperature (High Temp. On Request)
Actuator	Pneumatic Bubble Test	115 PSIG	60 To 115 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

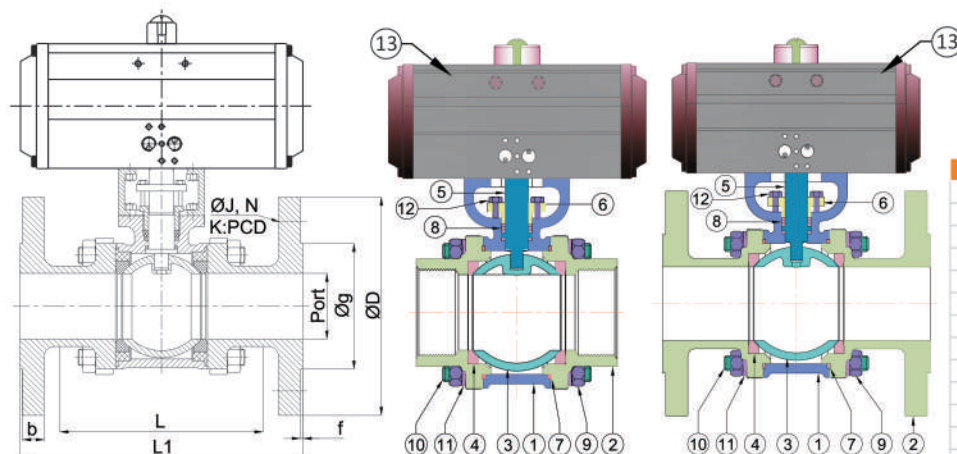
Note - Fire Safe Design Available on Request Note : 1500# Available On Request.

Accessories :

- On / OFF Indicator
- NAMUR Standard Solenoid Valve in all Standard Coil Voltage (Flame Proof Solenoid Coi-on request)
- Pneumatic & Electro-Pneumaticvalve positioner
- Decutchable Manual Over - ride
- Limit Switches for On/Off Indication at Panel board

- Filter + Regulator Combination with Pressure Gauge
- Air Lock Valve

Standard :-

 Design And Manufacturer : ASME B 16.34 / BS EN ISO 17292 / API - 6D
 Valve Face To Face Dimension : ASME B 16.10
 Flange Standard Conformity : ASME B 16.5 Class 150, 300
 Inspection & Testing : API 598 / FCI - 70-2 / BS EN 12266 - 1 / API - 6D


No.	DESCRIPTION	MATERIAL	QTY
1	Body	WCB / CF8 / CF8M / CF3M	01
2	End Connector	WCB / CF8 / CF8M / CF3M	02
3	Ball	CF8 / CF8M / CF3M	01
4	Ball Seat	PTFE / CFT / GFT / PEEK / TFM	02
5	Stem Pin	AISI S. S. 304 / S. S. 316	01
6	Gland with Bush	S. S. 304	01
7	Body Seat	PTFE / CFT / GFT / PEEK / TFM	02
8	Stem Seat	PTFE / CFT / GFT / PEEK / TFM	04
9	Nut	M. S. / S. S.	08
10	Stud	M. S. / S. S.	04
11	Washer	M. S. / S. S.	08
12	Gland Fitting Bolt	S. S.	02
13	Actuator	STD.	01

Dimensions :

(All Dimensions are in mm)

Valve Model	Valve Size		Screwed		Flanged 150#									Weight (Approx) Kgs.	Flanged 300#									Weight (Approx) Kgs.
	MM	Inch	L	Weight Kgs.	L1	b	f	Port	Øg	ØD	ØJ	N	K:PCD		L1	b	f	Port	Øg	ØD	ØJ	N	K:PCD	
A4BMW - 15	15	1/2"	64	1.250	108	8	2	13	34.9	90	15.9	4	60.3	2.000	140	12.7	2	13	34.9	95	15.9	4	66.7	2.350
A4BMW - 20	20	3/4"	70	2.100	117	8.9	2	19	42.9	100	15.9	4	69.9	3.100	152	14.3	2	19	42.9	115	19.05	4	82.6	4.200
A4BMW - 25	25	1"	88	2.350	127	9.6	2	25	50.8	110	15.9	4	79.4	3.800	165	15.9	2	25	50.8	125	19.05	4	88.9	5.400
A4BMW - 32	32	1.1/4"	105	2.700	140	11.2	2	32	63.5	115	15.9	4	88.9	4.300	178	17.5	2	32	63.5	135	19.05	4	98.4	6.3000
A4BMW - 40	40	1.1/2"	114	3.600	165	12.7	2	38	73	125	15.9	4	98.4	5.900	190	19.1	2	38	73	155	22.2	4	114.3	8.400
A4BMW - 50	50	2"	130	5.250	178	14.3	2	49	92.1	150	19.05	4	120.7	8.650	216	20.7	2	49	92.1	165	19.05	8	127	11.050
A4BMW - 65	65	2.1/2"	170	12.550	190	15.9	2	62	104.8	180	19.05	4	139.7	15.000	241	23.9	2	62	104.8	190	22.2	8	149.2	19.030
A4BMW - 80	80	3"	200	17.700	203	17.5	2	74	127	190	19.05	4	152.4	19.350	282	27	2	74	127	210	22.2	8	168.3	26.750
A4BMW - 100	100	4"	210	28.900	229	22.3	2	100	157.2	230	19.05	8	190.5	32.400	305	30.2	2	100	157.2	255	22.2	8	200	42.600
A4BMW - 125	125	5"	-	-	254	22.3	2	125	185.7	255	22.2	8	215.9	37.000	381	33.4	2	125	185.7	280	22.2	8	235	---
A4BMW - 150	150	6"	-	-	267	23.9	2	150	215.9	280	22.2	8	241.3	45.000	403	35	2	150	215.9	320	22.2	12	269.9	---
A4BMW - 200	200	8"	-	-	292	27	2	201	269.9	345	22.2	8	298.5	85.000	419	39.7	2	201	269.9	380	25.4	12	330.2	---
A4BMW - 250	250	10"	-	-	330	28.6	2	252	323.8	405	25.4	12	362	106.00	457	46.1	2	252	323.8	445	28.6	16	387.4	---
A4BMW - 300	300	12"	-	-	610	30.2	2	303	381	485	25.4	12	431.8	---	648	49.3	2	303	381	520	31.75	16	450.8	---
A4BMW - 350	350	14"	-	-	648	33.4	2	334	412.8	535	28.6	12	476.3	---	765	52.4	2	334	412.8	585	31.75	20	514.4	---

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.

Pub. on: January, 2015 (Rev.-01)

**PNEUMATIC ROTARY ACTUATOR OPERATED
3 pc. Design
Metal Seated Ball Valve**

Catalogue No.
A4PL / 1078

4Matic
Industrial Valves and Valve Automation

4Matic

offers ISO 5211 Standard Pneumatic Actuator Operated Metal Seated Ball Valve designed for using in the server conditions such as high temperature and high friction fluid like abrasive fluids of Oil and Gas, Petroleum, Petrochemical, Chemical Power Generation, Pulp & Paper Mining Industry.

Size Range : 1/2" to 4" Screwed / Flanged

Features :

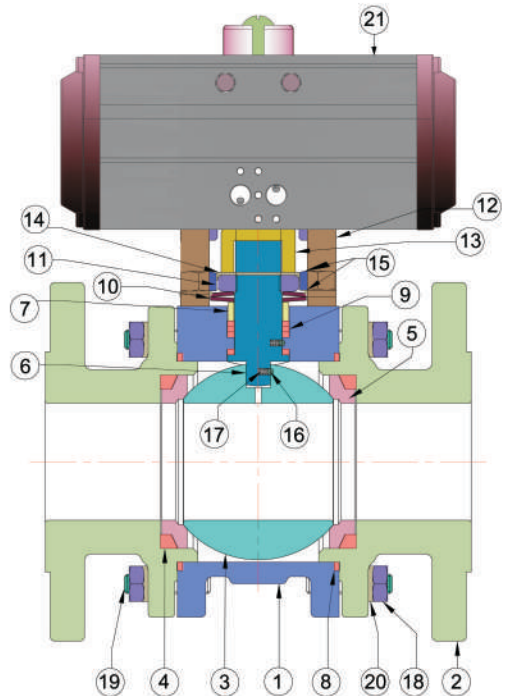
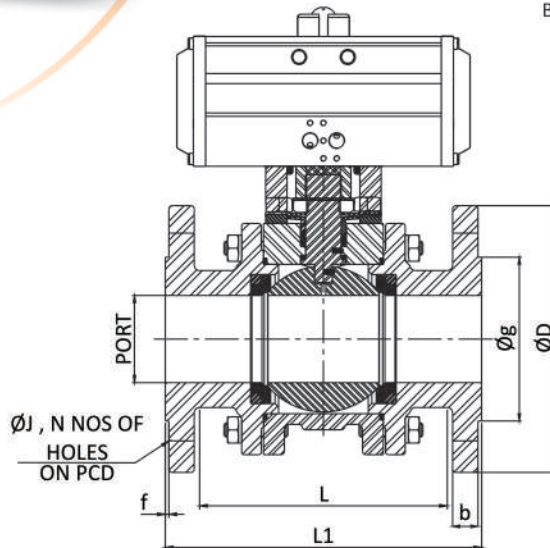
- Metal Seated Ball Valves are inherently fire safe and it's design is Metal anti-static by nature of the metal to metal contact.
- Harden face treatment on ball and seats provides the longer life cycle in Cryogenic environment.
- Advanced seat structure and high precision ball preparation can ensure Sealing performance and reduce the operation torque
- Highly precise machining enables the ball and seat tight shut-off
- Suitable for temperature range -50 °C to 500 °C (-50 °C to 800 °C (On Request)

Standard :-

Design And Manufacturing : BS EN ISO 17292
Valve Face To Face Dimension : ASME B 16.10
Flange Standard Conformity : ASME B 16.5 Class 150, 300
Inspection & Testing : API 598 / FCI - 70-2
BS EN 12266 - 1

Accessories :

- On / OFF Indicator
- NAMUR Standard Solenoid Valve in all Standard Coil Voltage (Flame Proof Solenoid Coil - on request)
- Pneumatic & Electro Pneumatic valve positioner
- Decutchable Manual Over - Ride
- Limit Switch for On/ Off Indication at Panel board
- Filter + Regulator Combination with Pressure Gauge
- Air Lock Valve



No.	DESCRIPTION	MATERIAL	QTY
1	Body	WCB / CF8 / CF8M	01
2	End Connector	WCB / CF8 / CF8M	02
3	Ball	CF8 / CF8M	01
4	Ball Back Seat	CFT	02
5	Ball Seat	S.S. 304 / 316	02
6	Stem Pin	AISI S.S. 304 / 316	01
7	Spacer Ring	S.S. 304 / 316	01
8	Body Seat	CFT	02
9	Stem Seat	CFT	04
10	Disc Spring	Spring Steel	02
11	Stem Nut	S. S. 304	01
12	Bracket	CF8	01
13	Adaptor	S. S. 304	01
14	Lock Washer	S. S. 304	01
15	Bracket Fitting Hex Bolt + Spring Washer	S. S. 304	04
16	Antistatic Ball	S. S. 304	02
17	Antistatic Spring	S. S. 302	02
18	Fitting Nut	H. T. / S. S. 304	08
19	Fitting Stud	H. T. / S. S. 304	04
20	Spring Washer	H. T. / S. S. 304	08
21	Actuator	STD.	01

Dimensions :

(All Dimensions are in mm)

Valve Model	Valve Size		Screwed		Flanged 150#									Weight (Approx) Kgs
	MM	Inch	L	Weight Kgs.	L1	b	f	Port	Øg	ØD	ØJ	N	K:PCD	
A4BMS - 15	15	1/2"	71	2.300	108	8	2	13	34.9	90	15.9	4	60.3	2.950
A4BMS - 20	20	3/4"	94	2.950	117	8.9	2	19	42.9	100	15.9	4	69.9	4.200
A4BMS - 25	25	1"	108.5	3.700	127	9.6	2	25	50.8	110	15.9	4	79.4	4.900
A4BMS - 32	32	1.1/4"	116	4.400	140	11.2	2	32	63.5	115	15.9	4	88.9	6.050
A4BMS - 40	40	1.1/2"	128	5.750	165	12.7	2	38	73	125	15.9	4	98.4	7.900
A4BMS - 50	50	2"	158	8.800	178	14.3	2	49	92.1	150	19.05	4	120.7	9.950
A4BMS - 65	65	2.1/2"	185	13.300	190	15.9	2	62	104.8	180	19.05	4	139.7	19.900
A4BMS - 80	80	3"	205	19.100	203	17.5	2	74	127	190	19.05	4	152.4	26.450
A4BMS - 100	100	4"	239	28.900	229	22.3	2	100	157.2	230	19.05	8	190.5	37.900

Note : 300# & 600# Dimension are On Request.

Note : Big Sizes 5" to 10" On Request.

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.

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PNEUMATIC ROTARY ACTUATOR OPERATED 2 pc. Design "VGO" Ball Valve

Catalogue No.
A4PL / 2027

4Matic

offers ISO 5211 Standard Pneumatic Actuator Operated Investment Casting WCB / CF8 / CF8M / CF3M Ball Valve in Two Piece design. engineered for multiple ON/OFF operations in the down stream.

Size Range : 1/2" to 14" Flanged 150# (Upto 1500# On Request)

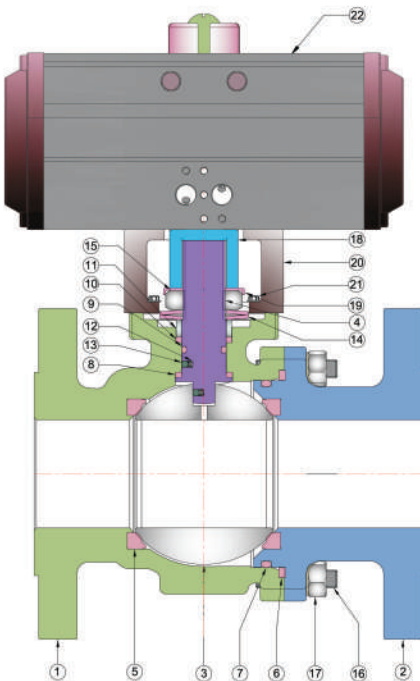
Item	Type of Test	Testing Pressure	Working Pressure	Operating Temperature
Actuator	Pneumatic Bubble Test	115 PSIG	60 To 115 PSIG	-20°C to 80 °C
Valve Body Flanged 150#	Hydraulic	450 PSIG	315 PSIG	Max.180 °C
Valve Body Flanged 300#	Hydraulic	1125 PSIG	815 PSIG	Max.180 °C

Standard :-

Design And Manufacturing : BS EN ISO 17292
Valve Face To Face Dimension : ASME B 16.10
Flange Standard Conformity : ASME B 16.5 Class 150, 300
Inspection & Testing : API 598 / FCI - 702 / BS EN 12266 - 1

Accessories :

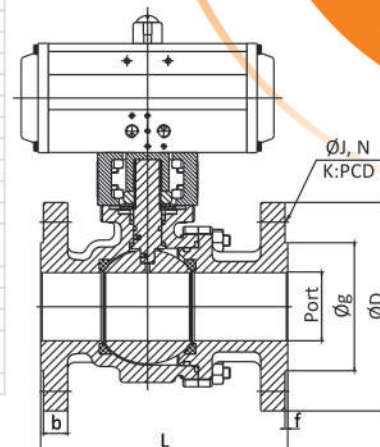
- On / OFF Indicator
- NAMUR Standard Solenoid Valve in all Standard Coil Voltage (Flame Proof Solenoid Coil - on request)
- Pneumatic & Electro Pneumatic valve positioner
- Declutchable Manual Over - Ride
- Limit Switch for On/ Off Indication at Panel board
- Filter + Regulator Combination with Pressure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



No.	DESCRIPTION	MATERIAL	QTY
1	Body	WCB / CF8 / CF8M	01
2	End Connector	WCB / CF8 / CF8M	01
3	Ball	CF8 / CF8M	01
4	Stem Pin	AISI S.S. 304 / 316	01
5	Ball Seat	PTFE / CFT / GFT / PEEK / TFM	02
6	Body Seat	Grafoil	01
7	Conn., 'O' Ring	PTFE / CFT / GFT / PEEK / TFM	01
8	Stem Seat Bottom	PTFE / CFT / GFT / PEEK / TFM	01
9	Stem 'O' Ring	PTFE / CFT / GFT / PEEK / TFM	01
10	Stem Seat Top	Grafoil	01
11	Spacer Ring	S.S. 304 / 316	01
12	Antistatic Spring	S.S. 302	02
13	Antistatic Ball	S.S. 304	02
14	Disc Spring	Spring Steel	02
15	Stem & Handle Nut	S.S. 304	01
16	Fitting Stud	H.T. / S.S. 304	06
17	Fitting Nut + Spring Washer	H.T. / S.S. 304	06
18	Adaptor	S.S. 304	01
19	Lock Washer	S.S. 304	01
20	Bracket	CF8	01
21	Bracket Fitting Hexbolt + Spr. Washer	S.S. 304	04
22	Actuator	STD	01



**FIRE SAFE
DESIGN
AVAILABLE**



Dimensions :

(All Dimensions are in mm)

Valve Model	Valve Size		Flanged 150#										Weight (Approx) Kgs	Flanged 300#										Weight (Approx) Kgs
	MM	Inch	L	b	f	Port	Øg	ØD	ØJ	N	K:PCD	L		b	f	Port	Øg	ØD	ØJ	N	K:PCD			
A4VGO - 15	15	1/2"	108	8	2	13	34.9	90	15.9	4	60.3	1.750	140	12.7	2	13	34.9	95	15.9	4	66.7	2.650		
A4VGO - 20	20	3/4"	117	8.9	2	19	42.9	100	15.9	4	69.9	3.100	152	14.3	2	19	42.9	115	19.05	4	82.6	4.300		
A4VGO - 25	25	1"	127	9.6	2	25	50.8	110	15.9	4	79.4	3.200	165	15.9	2	25	50.8	125	19.05	4	88.9	5.100		
A4VGO - 32	32	1.1/4"	140	11.2	2	32	63.5	115	15.9	4	88.9	3.900	178	17.5	2	32	63.5	135	19.05	4	98.4	6.600		
A4VGO - 40	40	1.1/2"	165	12.7	2	38	73	125	15.9	4	98.4	5.200	190	19.1	2	38	73	155	22.2	4	114.3	8.900		
A4VGO - 50	50	2"	178	14.3	2	49	92.1	150	19.05	4	120.7	7.650	216	20.7	2	49	92.1	165	19.05	8	127	12.750		
A4VGO - 65	65	2.1/2"	190	15.9	2	62	104.8	180	19.05	4	139.7	13.500	241	23.9	2	62	104.8	190	22.2	8	149.2	18.900		
A4VGO - 80	80	3"	203	17.5	2	74	127	190	19.05	4	152.4	17.850	282	27	2	74	127	210	22.2	8	168.3	25.950		
A4VGO - 100	100	4"	229	22.3	2	100	157.2	230	19.05	8	190.5	29.100	305	30.2	2	100	157.2	255	22.2	8	200	41.900		
A4VGO - 125	125	5"	254	22.3	2	128	185.7	255	22.2	8	215.9	--	381	33.4	2	128	185.7	280	22.2	8	235	----		
A4VGO - 150	150	6"	267	23.9	2	150	215.9	280	22.2	8	241.3	--	403	35	2	150	215.9	320	22.2	12	269.9	----		
A4VGO - 200	200	8"	457	27	2	201	269.9	345	22.2	8	298.5	--	502	39.7	2	201	269.9	380	25.4	12	330.2	----		
A4VGO - 250	250	10"	533.4	28.6	2	252	323.8	405	25.4	12	362	--	568.4	46.1	2	252	323.8	445	28.6	16	387.4	----		
A4VGO - 300	300	12"	609.6	30.2	2	303	381	485	25.4	12	431.8	--	648	49.3	2	303	381	520	31.75	16	450.8	----		
A4VGO - 350	350	14"	----	33.4	2	334	412.8	535	28.6	12	476.3	--	----	52.4	2	334	412.8	585	31.75	20	514.4	----		

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.

Pub. on: January, 2015 (Rev.-01)

**PNEUMATIC ROTARY ACTUATOR OPERATED
Polypropylene
Ball Valve**

Catalogue No.
A4PL / 1005

4Matic
Industrial Valves and Valve Automation

4Matic

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

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

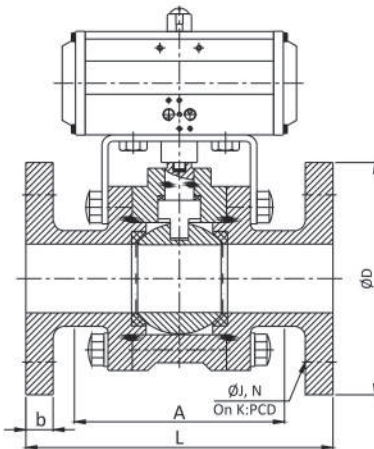
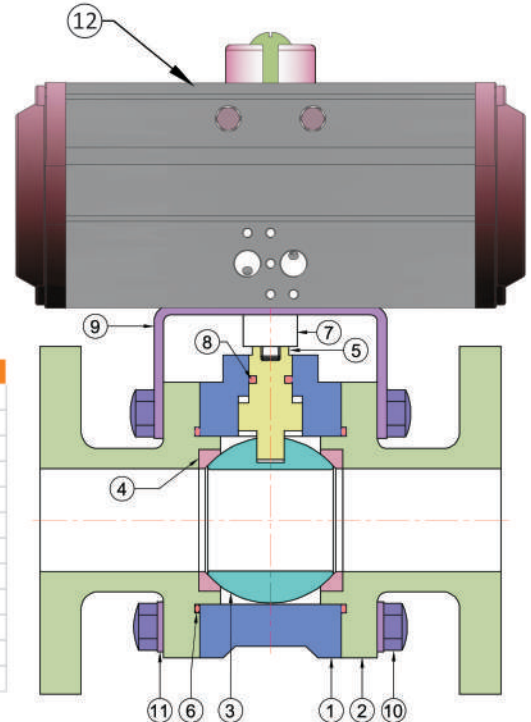
Body	Seat	Temperature
150 PSI	150 PSI	100° C

PVDF for Highly Acidic Media Available on Request

Accessories :

- On / OFF Indicator
- NAMUR Standard Solenoid Valve in all Standard Coil Voltage (Flame Proof Solenoid Coil - on request)
- Pneumatic & Electro Pneumatic valve positioner
- Dec clutchable Manual Over - Ride
- Limit Switch for On/ Off Indication at Panel board
- Filter + Regulator Combination with Pressure Gauge
- Air Lock Valve

No.	DESCRIPTION	MATERIAL	QTY
1	Body	Polypropylene	01
2	End Connector	Polypropylene	02
3	Ball	Polypropylene	01
4	Ball Seat	PTFE	02
5	Stem Pin	S.S. 304	01
6	Body Seat	PTFE	02
7	Adapter	S.S. 304	01
8	Stem 'O' Ring	NBR	01
9	Clamp	S.S. 304	01
10	Bolt	S.S. 304	04
11	Washer	S.S. 304	04
12	Actuator	STD.	01



Dimensions :

(All Dimensions are in mm)

Valve Model	Valve Size		Screwed A	Flanged					
	MM	Inch		L	b	ØD	ØJ	N	K:PCD
A4BMW - PP - 15	15	1/2"	127	130	16.5	96	15.9	4	60.3
A4BMW - PP - 20	20	3/4"	139	132	14.5	102	15.9	4	69.9
A4BMW - PP - 25	25	1"	150	152	18.5	121	15.9	4	79.4
A4BMW - PP - 32	32	1.1/4"	172	162	18	124	15.9	4	88.9
A4BMW - PP - 40	40	1.1/2"	172	170	18.5	140	15.9	4	98.4
A4BMW - PP - 50	50	2"	209	209	22.5	165	19.05	4	120.7
A4BMW - PP - 65	65	2.1/2"	248	230	22.5	184	19.05	4	139.7
A4BMW - PP - 80	80	3"	250	254	24	203	19.05	4	152.4
A4BMW - PP - 100	100	4"	-	310	27	229	19.05	8	190.5
A4BMW - PP - 150	150	6"	-	477	28	305	22.5	8	241.3
A4BMW - PP - 200	200	8"	-	477	30	368	22.5	8	298.5
A4BMW - PP - 250	250	10"	-	560	31	432	25.4	12	362
A4BMW - PP - 300	300	12"	-	560	31	489	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.

Pub. on: January, 2015 (Rev.-01)

PNEUMATIC ROTARY ACTUATOR OPERATED High Pressure "A4WOG 3000" Ball Valve

Catalogue No.
A4PL / 1003

4Matic

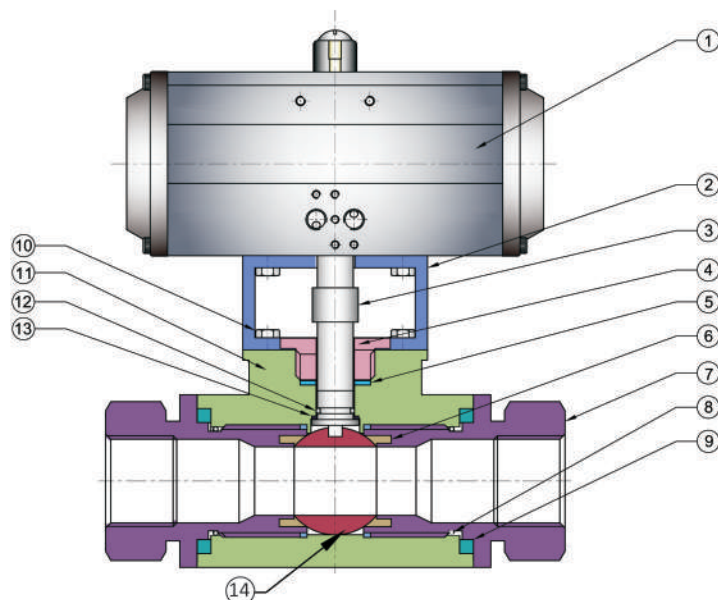
offers ISO 5211 Standard Pneumatic Actuator Operated Low Torque High Pressure Ball Valve.

Size Range : 1/2" to 2" Screwed

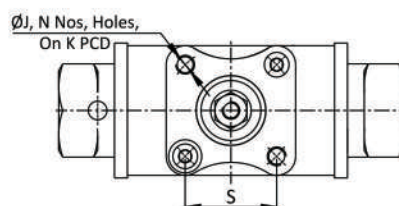
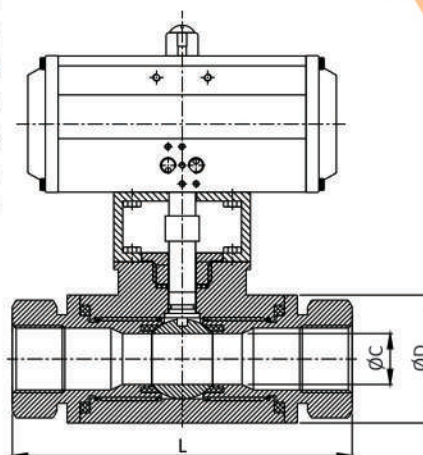
Item	Type of Test	Testing Pressure	Working Pressure
Valve Body	Hydraulic	300 Kg/cm ²	200 Kg/cm ²
Valve Body	Pneumatic	150 PSI	100 PSI

Accessories :

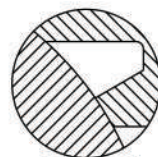
- On / OFF Indicator
- NAMUR Standard Solenoid Valve in all Standard Coil Voltage (Flame Proof Solenoid Coil - on request)
- Pneumatic & Elector Pneumatic Valve Positioner
- Dec clutchable Manual Over - Ride
- Limit Switch for On/ Off Indication at Panel board
- Filter + Regulator Combination with Pressure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



No.	DESCRIPTION	MATERIAL	QTY
1	Actuator	Standard	01
2	Bracket	CF8	01
3	Stem Pin	S.S. 304 / 316	01
4	Spacer Ring	S.S. 304 / 316	01
5	Stem Seat	Peek / Polyacetal	02
6	Ball Seat	Peek / Polyacetal	02
7	End Connector	WCB / CF8 / CF8M	02
8	'O' Ring	NBR / EPDM / Viton	02
9	Body Seat	Graphite	02
10	Fitting Stud	H.T. / S.S. 304	08
11	Body	WCB / CF8 / CF8M	01
12	'O' Ring	EPDM / Viton	02
13	Gland Packing	Peek / Polyacetal	01
14	Ball	S. S. 304 / 316	01



Before Fire



After Fire

Detail 'A'

Dimensions :

(All Dimensions are in mm)

Valve Model	Size		L	ØC Bore	ØD	S	ØJ	N	PCD	Weight (Approx.)
	MM	Inch								
A4WOG - 15	15	1/2"	98	12.5	39	25.4	M5 X 0.8	4	36	2.530
A4WOG - 20	20	3/4"	108	18	48	31	M6 X 1	4	42	3.440
A4WOG - 25	25	1"	108	22	55.5	31	M6 X 1	4	42	4.100
A4WOG - 32	32	1.1/4"	133	32	76.5	35.3	M6 X 1	4	51.5	8.150
A4WOG - 40	40	1.1/2"	133	32	76.5	35.3	M6 X 1	4	51.5	7.580
A4WOG - 50	50	2"	159	38	89.5	35.36	M6 X 1	4	51.5	13.790

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.

Pub. on: January, 2015 (Rev.-01)

4Matic

offers ISO 5211 Standard Pneumatic Rotary Actuator Operated Investment Casting WCB / CF8 / CF8M / CF3M Wafer Type Ball Valve.

Size Range : 1" to 4" Wafer Type

Ball Valve Specification

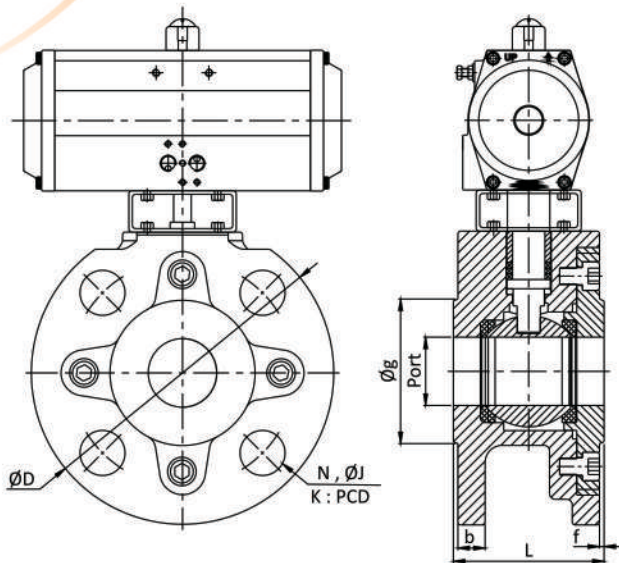
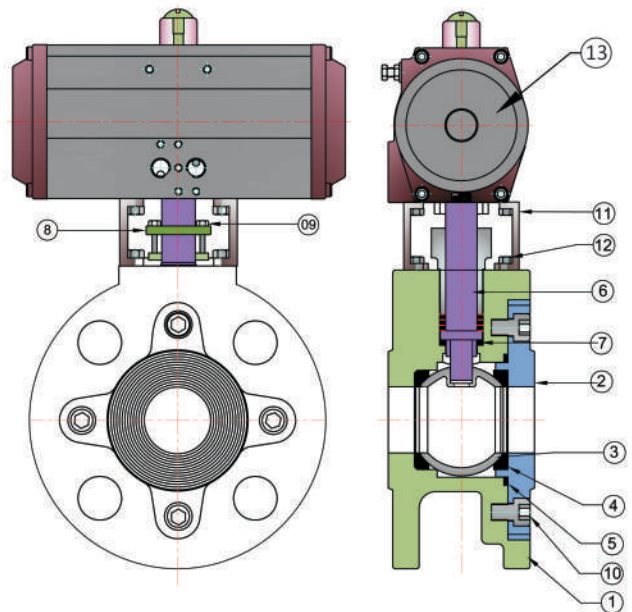
Working Pressure	10 Bar
Working Temperature	Upto 180 °C Max.
Valve Rating	150#
Leakage Class	Class VI

Standard :-

Design And Manufacturing	: ASME B 16.34 / API 6D
Valve Face To Face Dimension	: As Per Manufacturer Std.
Flange Standard Conformity	: ASME B 16.5 Class 150, 300
Inspection & Testing	: API 598 / FCI - 70-2 BS EN 12266 - 1

Accessories :

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



No.	DESCRIPTION	MATERIAL	QTY
1	Body	WCB / CF8 / CF8M / CF3M	01
2	Connector	WCB / CF8 / CF8M / CF3M	01
3	Ball	CF8 / CF8M / CF3M	01
4	Ball Seal	PTFE / GFT / CFT / TFM / PEEK	01
5	Ball Seat	PTFE / GFT / CFT / TFM / PEEK	02
6	Stem Pin	S. S. 304	02
7	Stem Seat	AISI 304	02
8	Gland with Bush	PTFE / GFT / CFT / TFM / PEEK	01
9	Gland Fitting Bolt	S. S.	02
10	Allen Bolt	S. S.	04
11	Bracket	S. S.	01
12	Bracket Fitting Bolt & Washer	S. S.	08
13	Actuator	STD.	01

Dimensions :

(All Dimensions are in mm)

Valve Model	Size		L	b	f	Port	Øg	ØD	ØJ	N	PCD	Weight (Approx.)
	MM	Inch										
A4WTB - 25	25	1"	54	9.6	2	25	50.8	110	15.88	4	79.4	3.300
A4WTB - 32	32	1.1/4"	58.5	11.2	2	32	63.50	115	15.88	4	88.9	
A4WTB - 40	40	1.1/2"	63	12.7	2	38	73	127	15.88	4	98.4	5.250
A4WTB - 50	50	2"	73	14.3	2	49	92.1	152	19.05	4	120.7	7.650
A4WTB - 65	65	2.1/2"	96	15.9	2	62	104.65	177.8	19.05	4	139.7	13.700
A4WTB - 80	80	3"	118	17.5	2	74	127	190	19.05	4	152.4	15.600
A4WTB - 100	100	4"	140	22.3	2	100	157.2	230	19.05	8	190.5	26.000

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.

Pub. on: January, 2015 (Rev.-01)

PNEUMATIC ROTARY ACTUATOR OPERATED Jacketed Ball Valve

Catalogue No.
A4PL / 2010

4Matic

offers ISO 5211 Standard Pneumatic Rotary Actuator Operated Investment Casting WCB / CF8 / CF8M / CF3M Ball Valve in 2 Piece Design Wafer Type JACKETED - engineered for multiple ON / OFF Operation in the down stream.

Size Range : 1" to 4"

Ball Valve Specification

Working Pressure	10 Bar
Working Temperature	Upto 180 °C Max.
Valve Rating	150#
Leakage Class	Class VI

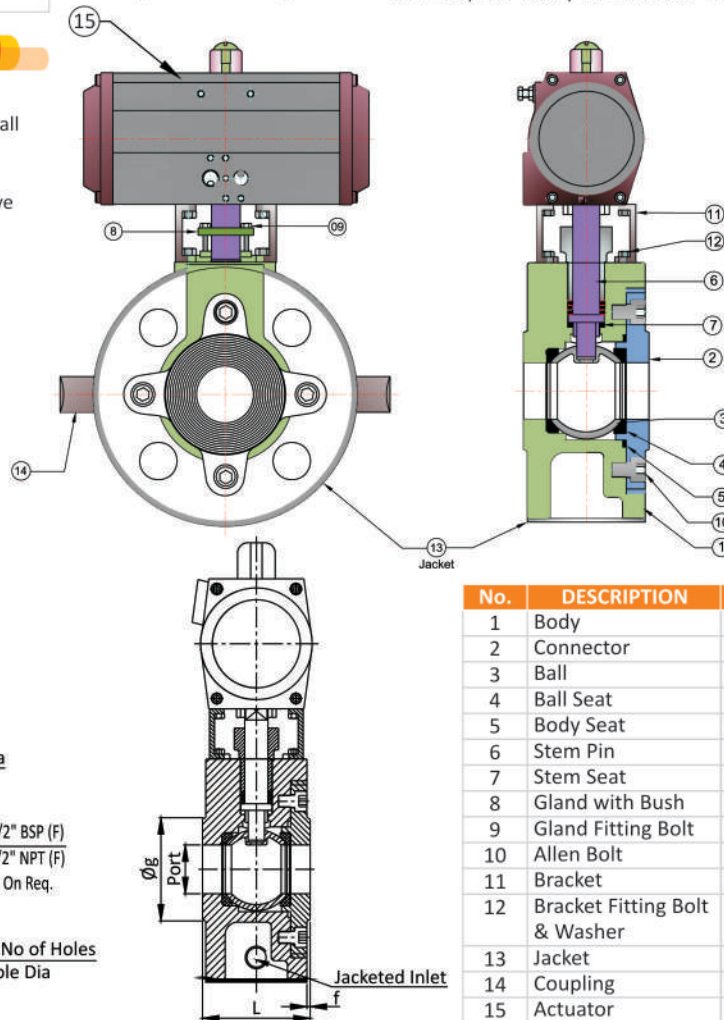
Accessories :

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

Standard :-

Design And Manufacturing : ASME B 16.34 / API 6D
Valve Face To Face Dimension : As Per Manufacturer Std.
Flange Standard Conformity : ASME B 16.5 Class 150
Inspection & Testing : API 598 / FCI - 70-2 / BS EN 12266 - 1

**First Time In INDIA
Replaceable Seals
Jacketed Ball Valve**



No.	DESCRIPTION	MATERIAL	QTY
1	Body	WCB / CF8 / CF8M / CF3M	01
2	Connector	WCB / CF8 / CF8M / CF3M	01
3	Ball	CF8 / CF8M / CF3M	01
4	Ball Seat	PTFE / GFT / CFT / PEEK / TFM	02
5	Body Seat	PTFE / GFT / CFT / PEEK / TFM	01
6	Stem Pin	S. S. 304	01
7	Stem Seat	PTFE / GFT / CFT / PEEK / TFM	04
8	Gland with Bush	S. S. 304	01
9	Gland Fitting Bolt	S. S.	02
10	Allen Bolt	S. S.	04
11	Bracket	S. S.	01
12	Bracket Fitting Bolt & Washer	S. S.	04
13	Jacket	S. S. / M. S.	01
14	Coupling	S. S. / M. S.	02
15	Actuator	STD.	01

Dimensions :

(All Dimensions are in mm)

Valve Model	Size		Port	L	ØD	Øg	ØJ	N	f	PCD	Weight (Approx.)
	MM	Inch									
A4KAG - 25	25	1"	25	54	107.9	50.8	15.88	4	2	79.4	2.950
A4KAG - 32	32	1.1/4"	32	58.5	115	63.50	15.88	4	2	88.9	3.550
A4KAG - 40	40	1.1/2"	38	63	127	73	15.88	4	2	98.4	4.500
A4KAG - 50	50	2"	49	73	152.4	92.1	19.05	4	2	120.7	8.400
A4KAG - 65	65	2.1/2"	62	96	177.8	104.8	19.05	4	2	139.7	10.900
A4KAG - 80	80	3"	74	118	190.5	127	19.05	4	2	152.4	14.800
A4KAG - 100	100	4"	100	140	230	157.2	19.05	8	2	190.5	23.900

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.

Pub. on: January, 2015 (Rev.-01)

PNEUMATIC ROTARY ACTUATOR OPERATED FEP / PFA Lined Ball Valve

Catalogue No.
A4PL / 2028

4Matic
Industrial Valves and Valve Automation

4Matic

offers ISO 5211 Standard Pneumatic Rotary Actuator Operated Investment Casting WCB / CF8 / CF8M / CF3M / S. G. Iron / D. I. FEP / PFA Lined Ball Valve In 2 pc. Design.

Size Range : 1" to 4" Flanged

Standard :-

Design And Manufacturing	: BS EN ISO 17292 : 2004 (BS 5351)
Valve Face To Face Dimension	: ANSI B 16.10 / DIN 3202 / BSEN 558-1/2
Flange Standard Conformity	: ASME B 16.5 150#
Inspection & Testing	: BS EN 12266 - 1 & 2 (2003) API - 598
Top Flange Drilling	: ASA 150# / DIN 2632 & 2633 / BSEN 10 Table D, E, F (Customer Specified)

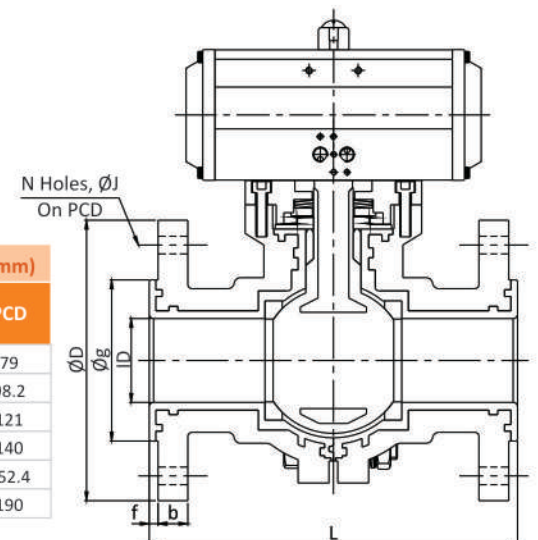
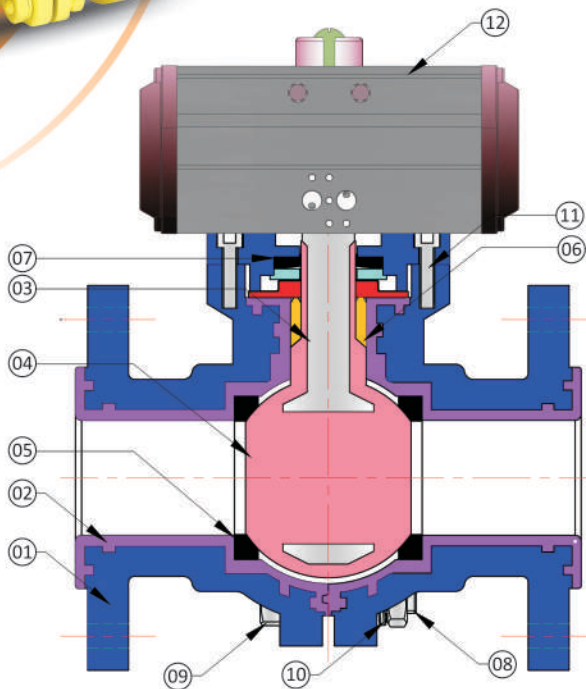
TEST PRESSURE

Pressure Test	As Per Customer Requirement
Spark Test	15 KV D2 API 598

Accessories :

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

No.	DESCRIPTION	MATERIAL
1	Body	WCB / CF8 / CF8M / S. G. Iron / D. I.
2	Body Molding	FEP / PFA
3	Ball with Shaft	WCB / CF8
4	Ball Molding	FEP / PFA
5	Ball Seal	PTFE / GFT / CFT / PEEK / TFM
6	Shaft Bush	PTFE / GFT / CFT / PEEK / TFM
7	Packing Washer	Spring Steel
8	Bolt Plate	S. S.
9	Nut	S. S.
10	Washer	S. S.
11	L. N. Bolt	S. S.
12	Actuator	STD.



Dimensions :

(All Dimensions are in mm)

Valve Model	Size		ID	L	b	f	Øg	ØD	N	ØJ	PCD
	MM	Inch									
A4FELB - 25	25	1"	24	130.5	12.7	3.5	55	108	04	16	79
A4FELB - 40	40	1.1/2"	38	167	13.5	3	73	127	04	15	98.2
A4FELB - 50	50	2"	49	181	18	4	92	152.5	04	18.5	121
A4FELB - 65	65	2.1/2"	61.8	206	21	4	104.5	177.75	04	19	140
A4FELB - 80	80	3"	74	207	22	5.5	126	190	04	19	152.4
A4FELB - 100	100	4"	94	226	22	5	158	228.5	08	19	190

Note.: Big Size Also Available On Request.

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.

Pub. on: January, 2015 (Rev.-01)

PNEUMATIC ROTARY ACTUATOR OPERATED UPVC Ball Valve

Catalogue No.
A4PL / 2029

4Matic

offers ISO 5211 Standard Pneumatic Rotary Actuator Operated UPVC Ball Valve is made with precision turning and grinding to ensure that it's true roundness and smoothness is achieved. This provides for lower torque requirement and ease of handling. True union design provides for tight shut - off. These valves are most suited for water treatment and chlorination applications. The Socket and Screwed joint available.

Size Range : 1/2" to 3"

Advantages

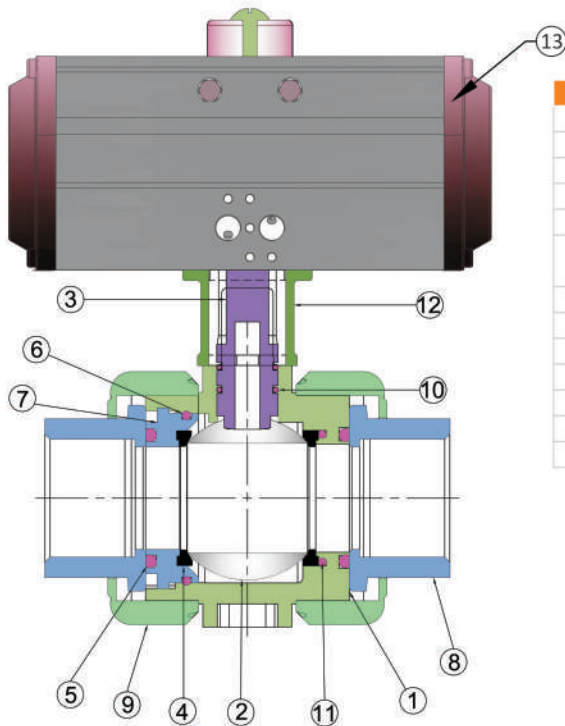
- NSF listed and material meet drinking water standard.
- Smooth opening and closing thanks to a lower torque.
- 100% pure virgin material, CaCO₃ free (Chalk).
- UV resistant power added.
- 100% pressure testing before leaving the factory.
- Can be assembled with Pneumatic Actuators.

Ball Valve Specification

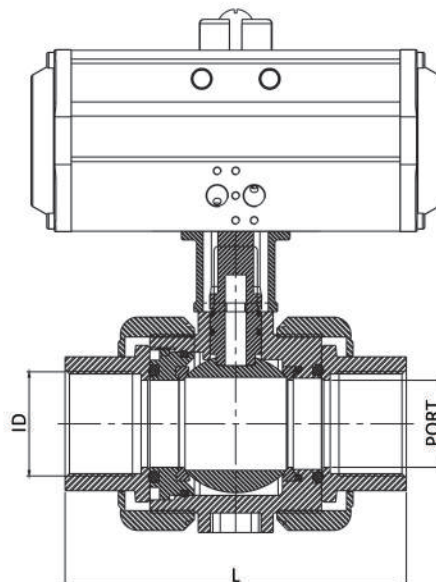
Working Pressure	7 Kg/cm ²
Working Temperature	Upto 80 °C Max.
Ends	Screwed End

Accessories :

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



No.	DESCRIPTION	MATERIAL	QTY
1	Body	UPVC	01
2	Ball	UPVC	01
3	Stem	UPVC	01
4	Ball Seat	PTFE / EPDM / VITON	02
5	Body - 'O' Ring	NBR	02
6	Body Connector 'O' Ring	NBR	01
7	Body Connector	UPVC	01
8	Connector	UPVC	02
9	Connector Nut	UPVC	02
10	Stem 'O' Ring	NBR	01
11	Body 'O' Ring	NBR	01
12	Bracket	CF8 / CF8M	01
13	Actuator	STD.	01



Dimensions :

(All Dimensions are in mm)

Valve Model	Size		L	ID	PORT
	MM	Inch			
A4U2B - 15 - SD	15	1/2"	108.50	21.23	15
A4U2B - 20 - SD	20	3/4"	114.50	26.57	20
A4U2B - 25 - SD	25	1"	128	33.27	25
A4U2B - 32 - SD	32	1.1/4"	142	42	32
A4U2B - 40 - SD	40	1.1/2"	160	48	40
A4U2B - 50 - SD	50	2"	174	60.17	50
A4U2B - 65 - SD	65	2.1/2"	241	72.85	63
A4U2B - 80 - SD	80	3"	270	270	75

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.

Pub. on: January, 2015 (Rev.-01)

PNEUMATIC ROTARY ACTUATOR OPERATED Incolan Spring Loaded Trunnion Mounted Ball Valve

Catalogue No.
A4PL / 2030

4Matic
Industrial Valves and Valve Automation

4Matic

offers Scotch and Yoke Actuator Operated Investment Casting WCB / CF8 / CF8M / CF3M Ball Valve In Two Piece Design.

Size Range : 6" to 16" Flanged End 150#

Standard :-

Design And Manufacturing	: BS EN ISO 17292 : 2004 (BS 5351)
Valve Face To Face Dimension	: ANSI B 16.10 / DIN 3202 / BSEN 558-1/2
Flange Standard Conformity	: ASME B 16.5 150#
Inspection & Testing	: BS EN 12266 - 1 & 2 (2003)
Top Flange Drilling	: ASA 150# / DIN 2632 & 2633 / BSEN 10
	Table D, E, F (Customer Specified)

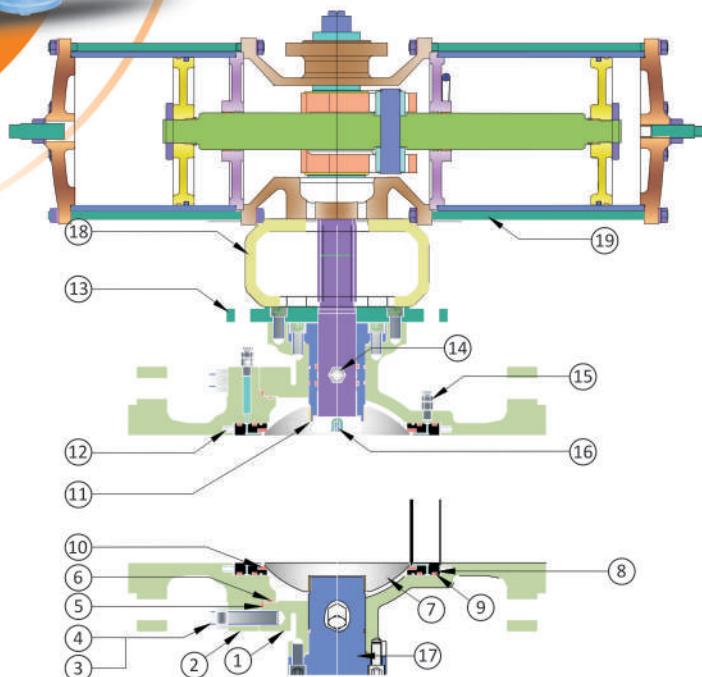
TEST PRESSURE

TESTING	BODY	SEAT
Hydraulic	20 KG/CM ²	11 KG/CM ²
Pneumatic Seat Pressure		6 KG/CM ²
Spark Test - 15 KV D.C.		

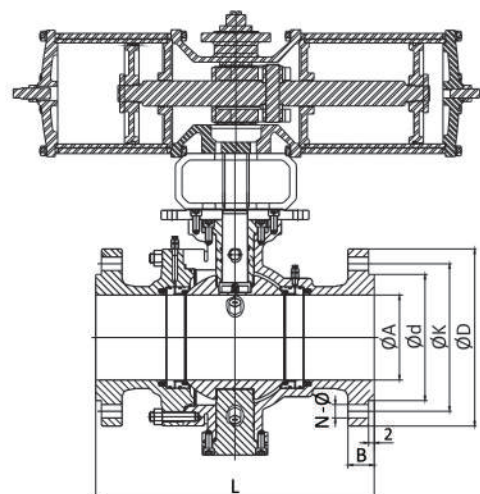
Note : Upto 1500 Class available on request.

Accessories :

- On/off Indicator
- Namur Standard solenoid Valve in all Standard Coil Voltage (Flame Proof Solenoid Coil-request)
- Pneumatic & 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



No.	DESCRIPTION	MATERIAL
1	Body	WCB / CF8 / CF8M
2	Bonnet	WCB / CF8 / CF8M
3	Bolts	A 193 B7
4	Nuts	A 194 2H
5	Gasket	S.S. 304 / Flexible graphite
6	O - Ring	Viton
7	Ball	CF8 / CF8M
8	Seat Retainer	A 105
9	Fire Safe Ring	Flexible graphite
10	Seal Ring	PTFE / GFT / CFT / TFM / PEEK
11	Stem Bearing	S. S. 304 + PTFE
12	Spring	S. S.
13	Connection Flange	A29 1025
14	Grease Valve	Assembly
15	Grease Valve	Assembly
16	Anti-static Spring	17 - 7 PH
17	Trunnion	A 105
18	Bracket	CF8 / CF8M
19	Actuator	STD.



Dimensions :

(All Dimensions are in mm)

Valve Model	Size		ØA	L	ØD	ØK	Ød	b	N	ØJ
	MM	Inch								
A4SRE-150-FD	150	6"	On Request							
A4SRE-200-FD	200	8"	201	457	345	298.5	269.9	29	8	22.5
A4SRE-250-FD	250	10"	252	533	405	362	323.8	30.6	12	22.5
A4SRE-300-FD	300	12"	303	610	485	431.8	381	32.2	12	25.5
A4SRE-350-FD	350	14"	334	686	535	476.3	412.8	35.4	12	28.5
A4SRE-400-FD	400	16"	385	762	595	539.8	469.9	37	16	28.5

Note : Big Sizes Available On Request.

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.

Pub. on: January, 2015 (Rev.-01)

PNEUMATIC ROTARY ACTUATOR OPERATED CW Series "C" Way 3 Way Ball Valve

Catalogue No.
A4PL / 2008

4Matic

offers ISO 5211 Standard Pneumatic Rotary Actuator Operated Investment Casting WCB / CF8 / CF8M / CF3M in 2 Piece Design "C" Way Ball Valve - engineered for multiple ON / OFF Operation in the down stream.

Size Range : 1/2" to 8" Screwed / Flanged

Ball Valve Specification

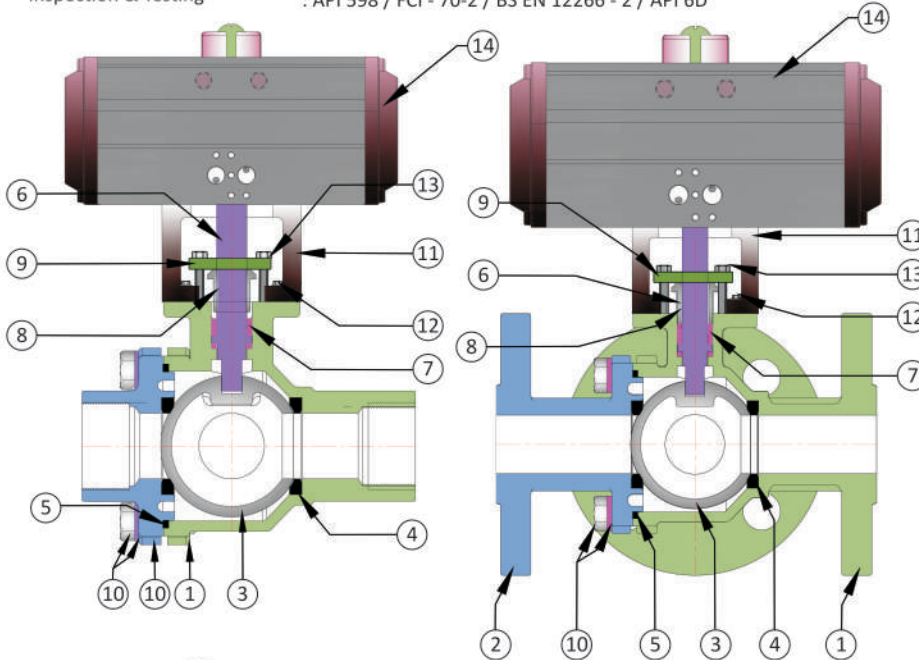
Type Of Valve Body & Ball	Full Port On / Off Type
Working Pressure	10 Bar
Working Temperature	Upto 180 °C Max.
Pressure Rating	150# / 300#
Leakage Class	Class VI
Working Fluid	Air, Water & Oil

Accessories :

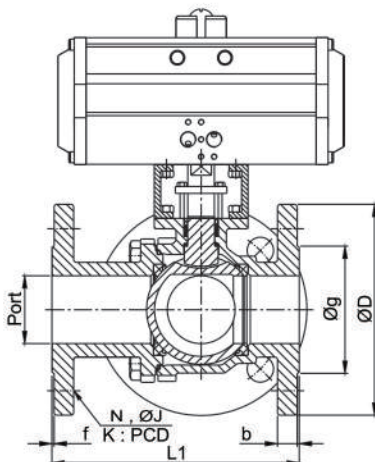
- On / OFF Indicator
- NAMUR Standard Solenoid Valve in all Standard Coil Voltage (Flame Proof Solenoid Coil - on request)
- I/P Transducer (Converter)
- Pneumatic valve positioner
- Electro Pneumatic Valve Positioner
- Dec clutchable Manual Over - Ride
- Limit Switch for On / Off Indication at Panel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

Standard :-

Design And Manufacturing : ASME B 16.34 / API 6D / BS EN ISO 17292
Valve Face To Face Dimension : As Per Manufacturing / ASME B 16.1
Flange Standard Conformity : ASME B 16.5 Class 150
Inspection & Testing : API 598 / FCI - 70-2 / BS EN 12266 - 2 / API 6D



No.	DESCRIPTION	MATERIAL	QTY
1	Body	WCB / CF8 / CF8M	01
2	End Connection	WCB / CF8 / CF8M	01
3	Ball	CF8 / CF8M	01
4	Ball Seat	PTFE / GFT / CFT / TFM / PEEK	02
5	Body Seat	PTFE / GFT / CFT / TFM / PEEK	01
6	Stem pin	S. S. 304 / 316	01
7	Stem Seat	PTFE / GFT / CFT / TFM / PEEK	05
8	Gland Bush	S. S. 304 / 316	01
9	Gland	CF8 / CF8M	01
10	Hex Bolt + Spring Washer	S. S. 304	04
11	Bracket	S. S. 304	01
12	Bracket Fitting Hex Bolt + Spring Washer	S. S. 304	04
13	Gland Hexbolt	S. S. 304	02
14	Actuator	STD	01



Dimensions :

(All Dimensions are in mm)

Valve Model	Size	Port	L1	ØD	Øg	b	f	N	ØJ	PCD	Weigh Approx.
A4CWP - 15	15 1/2"	13	108	90	34.9	8.5	2	4	15.9	60.3	1.900
A4CWP - 20	20 3/4"	19	117	100	42.9	8.9	2	4	15.9	69.9	3.100
A4CWP - 25	25 1"	25	127	110	50.8	9.6	2	4	15.9	79.4	4.900
A4CWP - 40	40 1.1/2"	38	165	125	73	12.7	2	4	15.9	98.4	8.850
A4CWP - 50	50 2"	49	178	150	92.1	14.3	2	4	19.05	120.7	10.750
A4CWP - 65	65 2.1/2"	64	190	180	104.8	15.9	2	4	19.05	139.7	25.350
A4CWP - 80	80 3"	74	203	190	127	17.5	2	4	19.05	152.4	----
A4CWP - 100	100 4"	98	305	230	157.2	22.3	2	8	19.05	190.5	----
A4CWP - 125	125 5"	127	356	255	185.7	22.3	2	8	22.2	215.9	----
A4CWP - 150	150 6"	150	394	280	215.9	23.9	2	8	22.2	241.3	----
A4CWP - 200	200 8"	201	600	345	269.9	27	2	8	22.2	298.5	----

Note.: 300 & 600# Also Available

Note.: Big Sizes Also Available On Request.

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.

Pub. on: January, 2015 (Rev.-01)

PNEUMATIC ROTARY ACTUATOR OPERATED 3 Way / 4 Way / 5 Way Ball Valve

Catalogue No.
AEA / 1007

4Matic
Industrial Valves and Valve Automation

4Matic

offers ISO 5211 Standard Pneumatic Rotary Actuator Operated "3, 4 & 5 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 4" Screwed / Flanged / Triclover End

Features :

- Body & End are Investment Casting
- 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

Accessories :

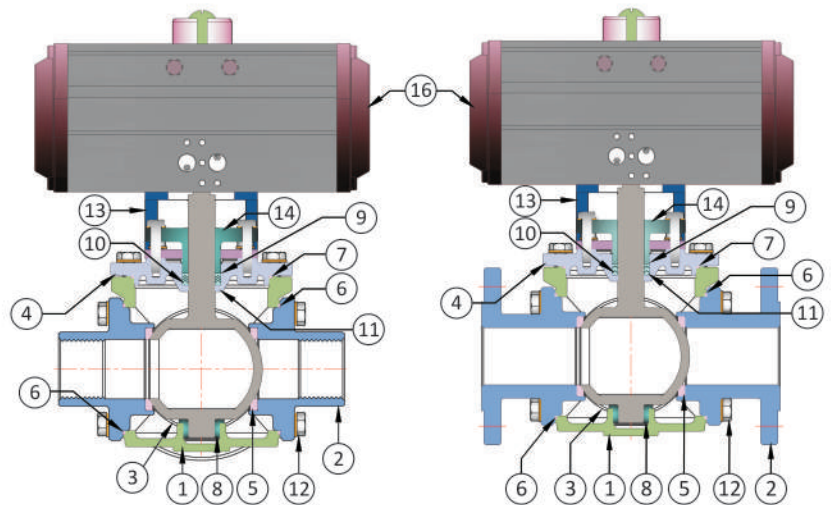
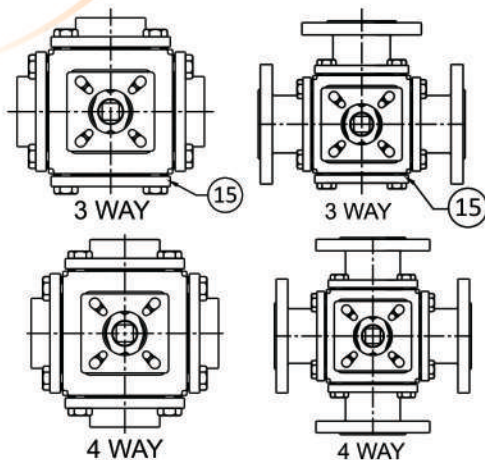
- On / OFF Indicator
- NAMUR Standard Solenoid Valve in all Standard Coil Voltage (Flame Proof Solenoid Coil - on request)
- Pneumatic & Electro Pneumatic valve positioner
- Dec clutchable Manual Over - Ride
- Limit Switch for On/ Off Indication at Panel board
- Filter + Regulator Combination with Pressure Gauge
- Air Lock Valve

Standard :-

Design And Manufacturing : ASME B 16.34 / BS EN 12516 - 1
Valve Face To Face Dimension : As Per Manufacturing
Flange Standard Conformity : ASME B 16.5 Class 150
Inspection & Testing : API 598 / FCI - 70-2 / BS EN 12266 - 1
ISO 5208

Ball Valve Specification

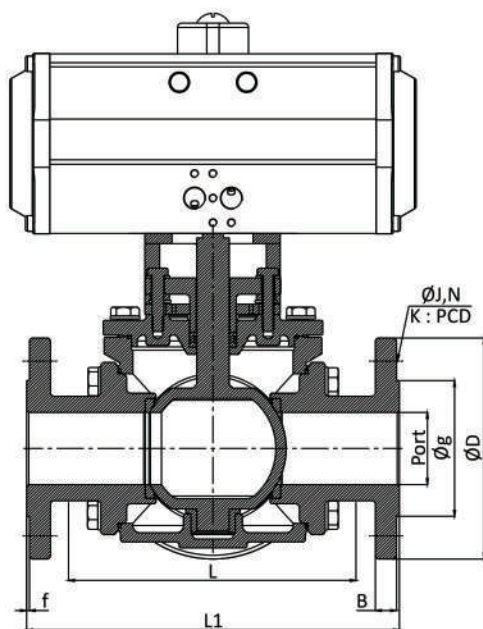
Pressure Rating	ASME 150 / ASME 300 PN 16, PN 25, PN 40
Temperature Range	Upto -25°C to 180 °C Max.



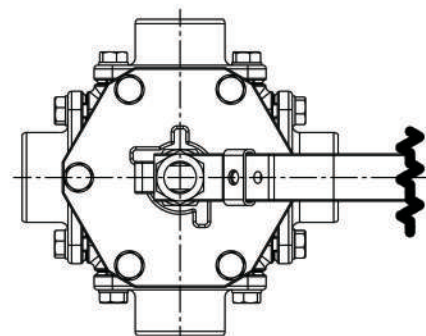
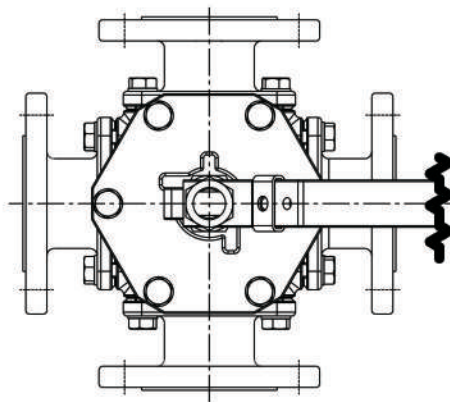
No.	DESCRIPTION	MATERIAL	QTY
1	Body	WCB / CF8 / CF8M	01
2	Connector	CF8 / CF8M	04
3	Ball	CF8 / CF8M	01
4	Top Cover	CF8 / CF8M	01
5	Ball Seat	PTFE / GFT / CFT / PEEK / TFM	04
6	Body Seat	PTFE / GFT / CFT / PEEK / TFM	04
7	Top Cover Seat	PTFE / GFT / CFT / PEEK / TFM	01
8	T - Bush	S. S. / Field	01
9	U - Seat	PTFE / GFT / CFT / PEEK / TFM	01
10	V - Seat	PTFE / GFT / CFT / PEEK / TFM	01
11	Base V - Seat	PTFE / GFT / CFT / PEEK / TFM	01
12	Stud + Nut + Washer	S. S. 304	16
13	Bracket	S. S. 304	02
14	Gland With Bush	CF8 / CF8M	01
15	Blind Cap	CF8 / CF8M	01
16	Actuator	STD.	01

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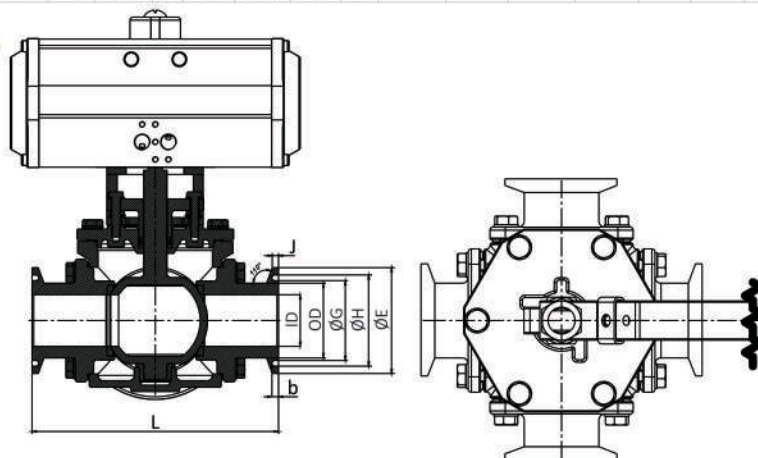


Screwed / Flanged



Dimensions :														(All Dimensions are in mm)											
Valve Model	Valve Size		Screwed		Flanged 150#									Weight (Approx)	Flanged 300#									K:PCD	
	MM	Inch	L	Weight	L1	b	f	Port	Øg	ØD	N	ØJ	K:PCD		L1	b	f	Port	Øg	ØD	ØJ	N			
A4SUZ-503-15	15	1/2"	104	2.250	152	8	2	11	34.9	90	4	15.9	60.3	4.440	150	12.7	2	15	34.9	95	15.9	4	66.7		
A4SUZ-503-20	20	3/4"	111	3.050	165	8.9	2	20	42.9	100	4	15.9	69.9	5.800	177	14.3	2	19	42.9	115	19.05	4	82.6		
A4SUZ-503-25	25	1"	130	4.350	192	9.6	2	25	50.8	110	4	15.9	79.4	7.650	202	15.9	2	25	50.8	125	19.05	4	88.9		
A4SUZ-503-32	32	1.1/4"	138	5.050	208	11.2	2	32	63.5	115	4	15.9	88.9	—	208	17.5	2	32	63.5	135	19.05	4	98.4		
A4SUZ-503-40	40	1.1/2"	158	10.100	220	12.7	2	38	73	125	4	15.9	98.4	15.600	234	19.1	2	38	73	155	22.2	4	114.3		
A4SUZ-503-50	50	2"	190	16.500	253.5	14.3	2	49	92.1	150	4	19.05	120.7	26.450	274	18.70	2	49	92.1	165	19.05	8	127		
A4SUZ-503-65	65	2.1/2"	304	----	295	15.9	2	64	104.8	180	4	19.05	139.7	35.200	330	23.9	2	62	104.8	190	22.2	8	149.2		
A4SUZ-503-80	80	3"	320	----	306	17.5	2	77	127	190	4	19.05	152.4	46.300	332	27	2	74	127	210	22.2	8	168.3		
A4SUZ-503-100	100	4"	368	----	371	22.3	2	98	157.2	230	8	19.05	190.5	80.050	395	30.2	2	100	157.2	255	22.2	8	200		
A4SUZ-503-125	125	5"	—	----	—	22.3	2	125	185.7	255	8	22.2	215.9	82.100	—	33.4	2	125	185.7	280	22.2	8	235		
A4SUZ-503-150	150	6"	--	----	428	23.9	2	150	215.9	280	8	22.2	241.3	----	468	35	2	150	215.9	320	22.2	12	269.9		

Triclover End



Dimensions :											(All Dimensions are in mm)			
Valve Model	Valve Size		L	ØE	ØG	ØH	ID	OD	J	B				
	MM	Inch												
A4SUZ - 503 T 15	15	1/2"	133	34	25.5	29.5	12.5	18.5	2.8	1.5				
A4SUZ - 503 T 20	20	3/4"	140	34	25.5	29.5	17	23	2.8	1.5				
A4SUZ - 503 T 25	25	1"	160	50.5	42	46	24	31	2.8	1.5				
A4SUZ - 503 T 40	40	1.1/2"	183	50.5	42	46	32	41	2.8	1.5				
A4SUZ - 503 T 50	50	2"	217	64	55.5	59.5	42.5	52.5	2.8	1.5				

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PNEUMATIC ROTARY ACTUATOR OPERATED
3 Way / 4 Way
Ball Valve

Catalogue No.
A4PL / 2006

4Matic
 Industrial Valves and Valve Automation

4Matic

offers ISO 5211 Standard Pneumatic Rotary Actuator Operated "3 Way - 4 Way" Design 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 : 6" to 12" Flange End

Standard :-

Design And Manufacturing : ASME B 16.34 / API 6D
 Valve Face To Face Dimension : As Per Manufacturing
 Flange Standard Conformity : ASME B 16.5 Class 150, 300
 Inspection & Testing : API 598 / BS EN 12266 - 1

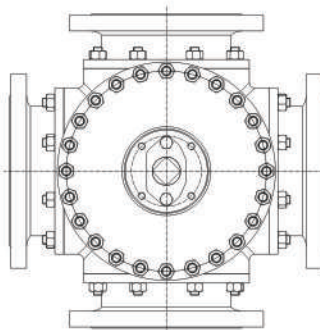
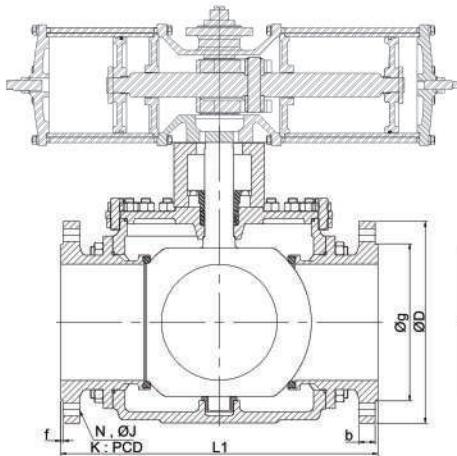
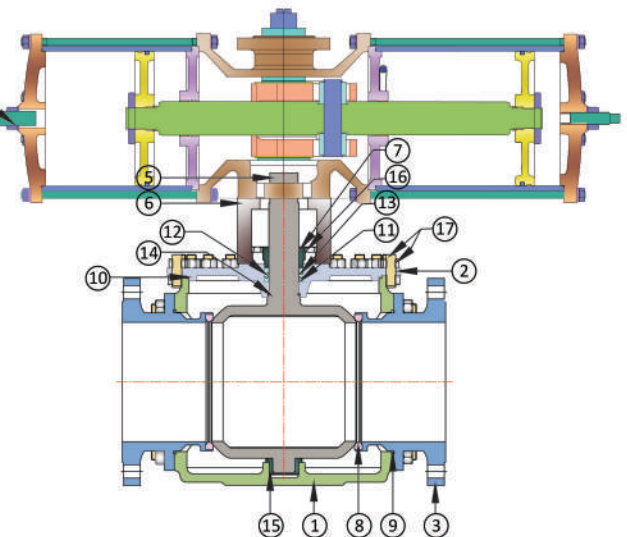
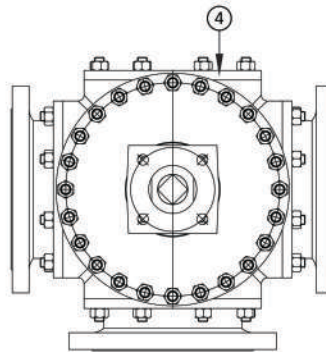
Ball Valve Specification

Working Pressure	ASME B16.5 150 / 300
Working Temperature	Upto -25°C to 180 °C Max.

Note.: High Temperature available on request.

Accessories :

- On / OFF Indicator
- NAMUR Standard Solenoid Valve in all Standard Coil Voltage (Flame Proof Solenoid Coil - on request)
- Pneumatic & Electro Pneumatic valve positioner
- Dec clutchable Manual Over - Ride
- Limit Switch for On / Off Indication at Panel board
- Filter + Regulator Combination with Pressure Gauge
- Air Lock Valve



No.	DESCRIPTION	MATERIAL
1	Body	WCB / CF8 / CF8M
2	Top Cover	WCB / CF8 / CF8M
3	Flange End	WCB / CF8 / CF8M
4	Blind End	WCB / CF8 / CF8M
5	Ball	CF8 / CF8M
6	Bracket	CF8 / CF8M
7	Gland	CF8 / CF8M
8	Ball Seat	PTFE
9	Body Gasket	PTFE
10	Top Cover Gasket	PTFE
11	Base Seal	PTFE
12	U - Seal	PTFE
13	V - Seal	PTFE
14	'O' - Ring	Viton
15	Bush	CFT / PTFE
16	Bracket & Gland Fitting Bolt	M. S. / S.S.
17	Fitting Stud + Nut	M. S.
18	Actuator	STD.

Dimensions :

(All Dimensions are in mm)

Valve Model	Size		BORE	L1	ØD	b	Øg	f	ØJ	N	PCD
	MM	Inch									
A4SUZ-403-F-150	150	6"	150	437	280	23.9	275.9	2	22.2	8	241.3
A4SUZ-403-F-200	200	8"	200	538	345	28	268.7	2	22.2	12	298.5
A4SUZ-403-F-250	250	10"	250	662	405	28.6	323.8	2	25.4	12	362.00
A4SUZ-403-F-300	300 (R/Bore) 12" (R/Bore)		250	662	485	30.2	381	2	25.4	12	431.8

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offers rubber lined Butterfly Valve for HVAC & utilities. These Valves are truly 'Fit & Forget Valve', Which requires minimum maintenance. The body lines which also function as the soft seat, comes in integrally molded version & offers bi - directional sealing against vacuum upto the pressure of PN 10 / 16

Size Range : 1.1/2" to 48"

Butterfly Valve Specification

Valve Type	Centric Disc Butterfly Valve with Single Piece Rubber Lined Body
Body Type	Short Wafer Type
Seat Type	Integrally Molded with The Body (Renewable Seat On Request)
End Connection	Wafer Type Suit 150#, Table 'D', Table 'E' & IS 6392 Table 11 (PN 10 / PN 16)
Pressure Rating	PN 10 / PN 16 (PN 20 On Request)
Oper. Temp. Range	-20 °C to 80 °C For Nitrile Seat (Depending On MOC)
Seat Leakage	Tight Shut Off

Accessories :

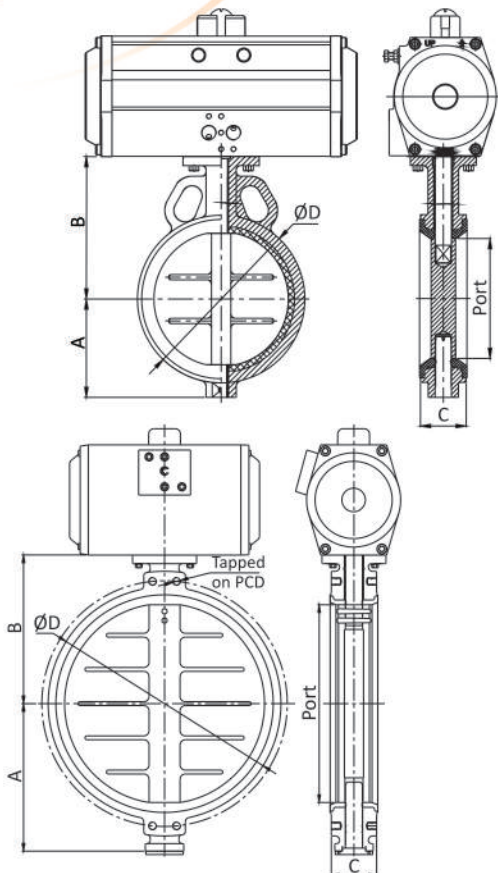
- On / OFF Indicator
- NAMUR Standard Solenoid Valve in all Standard Coil Voltage (Flame Proof Solenoid Coil - On Request)
- Pneumatic & Electro-Pneumatic valve positioner
- Dec clutchable Manual Over - Ride
- Limit Switches for On / Off Indication at Panel Board
- Filter + Regulator Combination with Pressure Gauge
- Air Lock Valve

Item	Type Of Test	Testing Pressure	Operating Temperature (Normal)	Operating Temperature (High)
Actuator	Pneumatic Bubble Test	180 To 150 PSIG	-20 °C to 80 °C	High Temp. On Request
Valve Body	Hydraulic	225 PSIG	Max. 80 °C	High Temp. On Request
Seat	Hydraulic	150 PSIG	Max. 80 °C	High Temp. On Request

Dimensions :

(All Dimensions are in mm)

Valve Model	Valve Size	Port	A	B	C	ØD	PCD	Tapped	Weight (Approx.) Kgs.
Model	MM	Inch	±5MM	±5MM	±5MM	±2MM	±5MM	±0.5MM	
A4ECO - IC - 40	40	1.1/2"	40	61	106	34	80	----	3
A4ECO - IC - 50	50	2"	50	65	121	44	95	----	3.25
A4ECO - IC - 65	65	2.1/2"	65	71	124	46	108	----	5
A4ECO - IC - 80	80	3"	80	80	130	46	124	----	5.25
A4ECO - IC - 100	100	4"	100	98.5	146.5	52	150	----	6.5
A4ECO - IC - 125	125	5"	125	112.5	162	56	186	----	10.6
A4ECO - IC - 150	150	6"	150	125	177	56	205	----	11.5
A4ECO - IC - 200	200	8"	200	152.5	202	60	258.5	----	20
A4ECO - IC - 250	250	10"	241	193	262	68	316	----	24.900
A4ECO - IC - 300	300	12"	286	218	287	78	365	----	33.500
A4ECO - IC - 350	350	14"	333	255	332	78	435	----	43
A4ECO - IC - 400	400	16"	382	310	363	102	488	----	63
A4ECO - IC - 450	450	18"	433	340	388	114	540	577.9	94
A4ECO - IC - 500	500	20"	476	370	425	127	600	635	124.30
A4ECO - IC - 600	600	24"	590	449	495	154	695	749.3	241.5
A4ECO - IC - 650	650	26"	635	455	490	165	740	806.4	215
A4ECO - IC - 700	700	28"	680	488	553	165	799	863.6	278.150
A4ECO - IC - 750	750	30"	725	538	593	190	857	914.4	338.300
A4ECO - IC - 800	800	32"	785	570	630	190	912	977.9	387.100
A4ECO - IC - 850	850	34"	810	----	----	190	1000	1028.7	----
A4ECO - IC - 900	900	36"	885	685	705	203	1025	1085.8	484.8
A4ECO - IC - 950	950	38"	935	694	715	216	1090	1149.4	----
A4ECO - IC - 1000	1000	40"	965	718	738	216	1131	1200.2	----
A4ECO - IC - 1100	1100	44"	1085	----	----	254	1245	1314.45	----
A4ECO - IC - 1200	1200	48"	1170	855	870	254	1350	1422.4	----

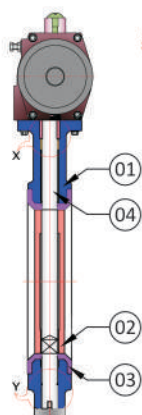
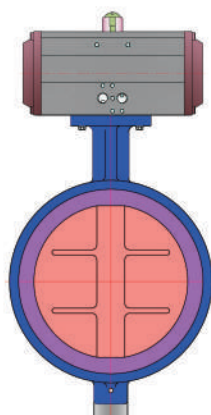


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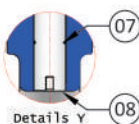
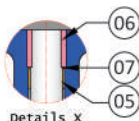
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Standard :-

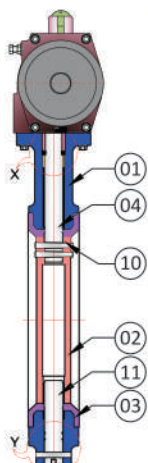
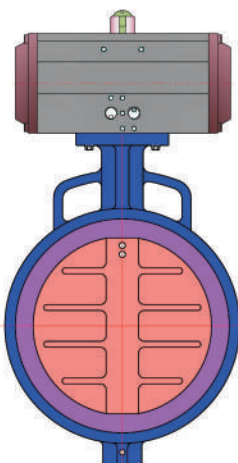
Design And Manufacturer	: API 609 category A / IS - 13095 / BS EN 593
Valve Face To Face Dimension	: Short Wafer As Per ISO 5752 TAB 5 / API 609 Category A ISO 5752 TAB 1 (BS 5155)
Flange Standard Conformity	: ASME B16.5 / 16.47 Series A Class 150, BS 10 TAB D, E & F
Inspection & Testing	: API 598 / BS EN 12266 - 1
Top Flange Drilling	: ISO 5211



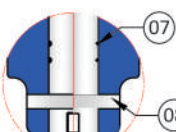
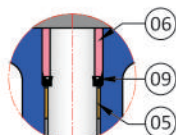
Size Range : Upto 1.1/2" to 3"



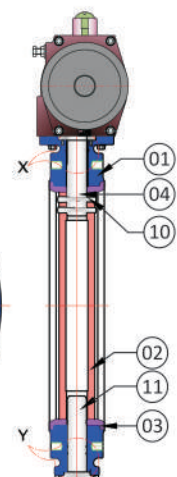
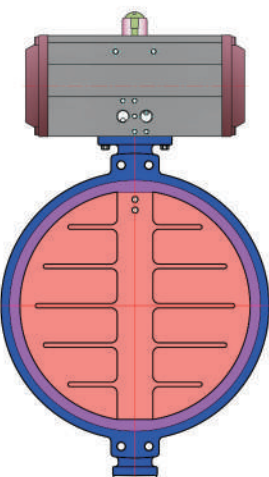
No.	DESCRIPTION	MATERIAL
1	Body	ASTM - A 126 Grade B (Gray Iron) ASTM - A 216 Grade WCB (Cast Iron) ASTM - A 536 Grade 65-45-12 (Ductile Iron) ASTM - A 351 Grade CF8 / CF8M / CF3M / CD4MCuN
2	Disc	ASTM - A 126 Grade B (Gray Iron) + Powder Coated ASTM - A 216 Grade WCB (Cast Iron) + Powder Coated ASTM - A 536 Grade 65-45-12 (Ductile Iron) + Powder Coated ASTM - A 351 Grade CF8 / CF8M / CF3M / CD4MCuN S.G.Iron with Teflon / Powder / Nylon Coated & Rubber Line
3	Seat	Nitrile / EPDM / Viton / Hypelon / Neopren
4	Shaft	AISI 410 / AISI 304 / AISI 316 / AISI 316L
5	Bearing Bush	Metal Bush PTFE Coated
6	Bush	Delrin
7	'O' Ring	Nitrile / EPDM / Viton / Hypelon / Neopren
8	Dowel Pin	M.S. / AISI 304 / AISI 316 / AISI 316L



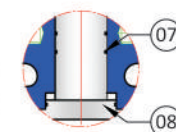
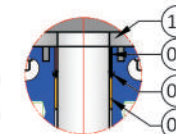
Size Range : Upto 4" to 16"



No.	DESCRIPTION	MATERIAL
1	Body	ASTM - A 126 Grade B (Gray Iron) ASTM - A 216 Grade WCB (Cast Iron) ASTM - A 536 Grade 65-45-12 (Ductile Iron) ASTM - A 351 Grade CF8 / CF8M / CF3M / CD4MCuN
2	Disc	ASTM - A 126 Grade B (Gray Iron) + Powder Coated ASTM - A 216 Grade WCB (Cast Iron) + Powder Coated ASTM - A 536 Grade 65-45-12 (Ductile Iron) + Powder Coated ASTM - A 351 Grade CF8 / CF8M / CF3M / CD4MCuN S.G.Iron with Teflon / Powder / Nylon Coated & Rubber Line
3	Seat	Nitrile / EPDM / Viton / Hypelon / Neopren
4	Shaft	AISI 410 / AISI 304 / AISI 316 / AISI 316L
5	Bearing Bush	Metal Bush PTFE Coated
6	Bush	PTFE (Teflon)
7	'O' Ring	Nitrile / EPDM / Viton / Hypelon / Neopren
8	Dowel Pin	M.S. / AISI 304 / AISI 316 / AISI 316L
9	'V' Seal	Nitrile / EPDM / Viton / Hypelon / Neopren
10	Taper Pin	AISI 304 / AISI 316 / AISI 316L
11	Bottom Pin	AISI 410 / AISI 304 / AISI 316 / AISI 316L



Size Range : Upto 18" to 48"



No.	DESCRIPTION	MATERIAL
1	Body	ASTM - A 126 Grade B (Gray Iron) ASTM - A 216 Grade WCB (Cast Iron) ASTM - A 536 Grade 65-45-12 (Ductile Iron) ASTM - A 351 Grade CF8 / CF8M / CF3M / CD4MCuN
2	Disc	ASTM - A 126 Grade B (Gray Iron) + Powder Coated ASTM - A 216 Grade WCB (Cast Iron) + Powder Coated ASTM - A 536 Grade 65-45-12 (Ductile Iron) + Powder Coated ASTM - A 351 Grade CF8 / CF8M / CF3M / CD4MCuN S.G.Iron with Teflon / Powder / Nylon Coated & Rubber Line
3	Seat	Nitrile / EPDM / Viton / Hypelon / Neopren
4	Shaft	AISI 410 / AISI 304 / AISI 316 / AISI 316L
5	Bearing Bush	Metal Bush PTFE Coated
6	Bush	PTFE (Teflon)
7	'O' Ring	Nitrile / EPDM / Viton / Hypelon / Neopren
8	Bottom Plate	IS 2062 Gr. B
9	'V' Seal	Nitrile / EPDM / Viton / Hypelon / Neopren
10	Taper Pin	AISI 304 / AISI 316 / AISI 316L
11	Bottom Pin	AISI 410 / AISI 304 / AISI 316 / AISI 316L
12	Gland Plate	IS 2062 Gr. B

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offers rubber lined Butterfly Valve for HVAC & utilities. These Valves are truly 'Fit & Forget Valve', Which requires minimum maintenance. The body lines which also function as the soft seat, comes in integrally molded version & offers bi - directional sealing against vacuum upto the pressure of PN 10 / 16 / PN 0.6 / 10 / 1.6 / PN 20

Size Range : 3" to 48"

Butterfly Valve Specification

Valve Type	Centric Disc Butterfly Valve with Single Piece Rubber Lined Body
Body Type	Short Wafer Type Double Flange
Seat Type	Integrally Molded with The Body (Renewable Seat On Request)
End Connection	Wafer Type Suit 150#, Table 'D', Table 'E' & IS 6392 Table 11 (PN 10 / PN 16)
Pressure Rating	PN 10 / PN 16 (PN 20 On Request)
Oper. Temp. Range	-20 °C to 80 °C For Nitrile Seat (Depending On MOC)
Seat Leakage	Tight Shut Off

TEST PRESSURE

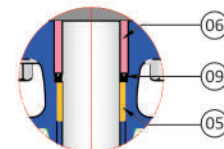
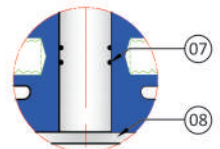
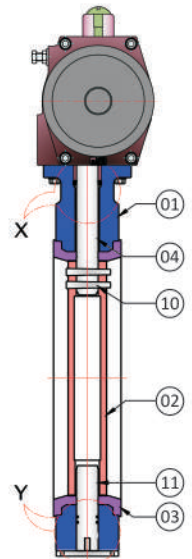
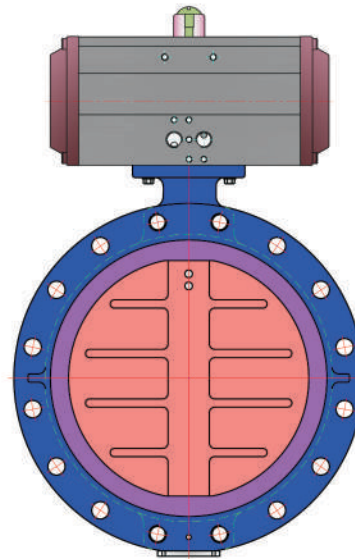
Testing	Body	Seat
Hydraulic	16 Kg/cm ²	10 Kg/cm ²

Accessories :

- On / OFF Indicator
- NAMUR Standard Solenoid Valve in
- all Standard Coil Voltage (Flame Proof Solenoid Coil - On Request)
- Pneumatic & 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

Note : (Valve F to F will be as per Wafer type) (Flange Thickness Non - STD As per Mfg. Std Wafer short Double Flange Body)

No.	DESCRIPTION	MATERIAL
1	Body	ASTM - A 126 Grade B (Gray Iron) ASTM - A 216 Grade WCB (Cast Iron) ASTM - A 536 Grade 65-45-12 (Ductile Iron) ASTM - A 351 Grade CF8 / CF8M / CF3M / CD4MCuN
2	Disc	ASTM - A 126 Grade B (Gray Iron) + Powder Coated ASTM - A 216 Grade WCB (Cast Iron) + Powder Coated ASTM - A 536 Grade 65-45-12 (Ductile Iron) + Powder Coated ASTM - A 351 Grade CF8 / CF8M / CF3M / CD4MCuN S.G.Iron with Teflon / Powder / Nylon Coated & Rubber Line
3	Seat	Nitrile / EPDM / Viton / Hypelon / Neopren
4	Shaft	AISI 410 / AISI 304 / AISI 316 / AISI 316L
5	Bearing Bush	Metal Bush PTFE Coated
6	Bush	PTFE (Teflon)
7	'O' Ring	Nitrile / EPDM / Viton / Hypelon / Neopren
8	Bottom Plate	IS 2062 Gr. B
9	'V' Seal	Nitrile / EPDM / Viton / Hypelon / Neopren
10	Taper Pin	AISI 304 / AISI 316 / AISI 316L
11	Bottom Pin	AISI 410 / AISI 304 / AISI 316 / AISI 316L

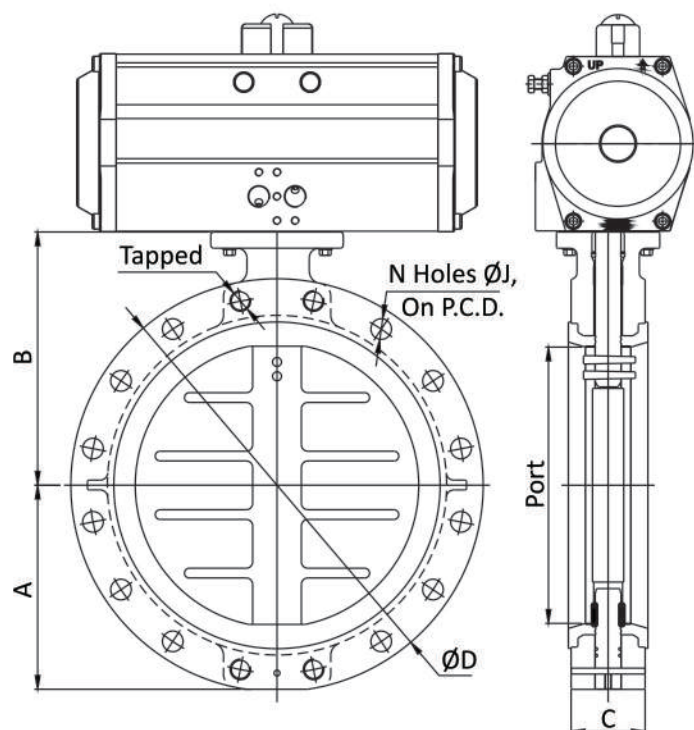
**Details X****Details Y**

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Standard :-

Design And Manufacturer	: API 609 category A / IS : 13095 / BS EN 593
Valve Face To Face Dimension	: Short Wafer As Per ISO 5752 TAB 5 / API 609 Category A ISO 5752 TAB 1
Flange Standard Conformity	: ASME B 16.5 / ASME B 16.47 Class 150, BS 10 TABLE D, E & F *Flange Thickness Non - STD As per Mfg. STD (Wafer Short Double Flange Body)
Inspection & Testing	: API 598 / BS EN 12266 - 1
Top Flange Drilling	: ISO 5211



Dimensions :										(All Dimensions are in mm)	
Valve Model	Valve Size		Port ±1 MM	A ±5 MM	B ±5 MM	C ±2 MM	ØD ±5 MM	N	ØJ ±1 MM	Tapped	PCD ±0.5 MM
	MM	Inch									
DFW-A4ECO-80	80	3"	80	95	129	46	190	4	19.05	--	152.4
DFW-A4ECO-100	100	4"	100	113	147	52	230	8	19.05	--	190.5
DFW-A4ECO-150	150	6"	150	136	177	56	280	8	22.2	--	241.3
DFW-A4ECO-200	200	8"	200	174	214	60	345	8	22.2	--	298.5
DFW-A4ECO-250	250	10"	241	212	275	68	405	12	25.4	--	362
DFW-A4ECO-300	300	12"	286	241	305	78	485	12	25.4	--	431.8
DFW-A4ECO-350	350	14"	333	271	341	78	535	12	28.6	--	476.3
DFW-A4ECO-400	400	16"	382	300	365	102	595	16	28.6	--	539.8
DFW-A4ECO-450	450	18"	433	318	405	114	635	16	31.75	1" UNC	577.9
DFW-A4ECO-500	500	20"	476	353	430	127	700	20	31.75	1" UNC	635
DFW-A4ECO-600	600	24"	590	420	525	154	815	20	34.9	1.1/4" UNC	749.3
DFW-A4ECO-650	650	26"	635	----	----	165	870	24	34.9	1.1/4" UNC	806.4
DFW-A4ECO-700	700	28"	680	465	545	165	925	28	34.9	1.1/4" UNC	863.6
DFW-A4ECO-750	750	30"	725	486	577	190	985	28	34.9	1.1/4" UNC	914.4
DFW-A4ECO-800	800	32"	785	----	----	190	1060	28	41.3	1.1/2" UNC	977.9
DFW-A4ECO-900	900	36"	885	----	----	203	1170	32	41.3	1.1/2" UNC	1085.8
DFW-A4ECO-1000	1000	40"	965	----	----	216	1290	36	41.3	1.1/2" UNC	1200.2
DFW-A4ECO-1200	1200	48"	1170	758	870	254	1510	44	41.3	1.1/2" UNC	1422.4

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.

Pub. on: January, 2015 (Rev.-01)

4Matic

offers ISO 5211 Standard Pneumatic Rotary Actuator Operated Flow Control Application Of Air & gas.

Size Range : 1.1/2" to 20"

Butterfly Valve Specification

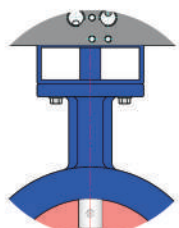
Valve Type	Wafer Type Damper Valve with Metal to Metal
Body Type	Short Wafer Type (Sandwiched between flanges) Damper
Seat Type	Metal to Metal
End Connection	Wafer Sandwiched (Lug Type On Request)
Pressure Rating	PN 6 (Maximum)
Oper. Temp. Range	-25 °C to 400 °C (Depending On MOC) Upto 600 °C
Seat Leakage	5% Leakage of full flow (Class 1 Available On Request)

TEST PRESSURE

Testing	Body	Seat
Hydraulic	10 Kg/cm ²	5% Leakage

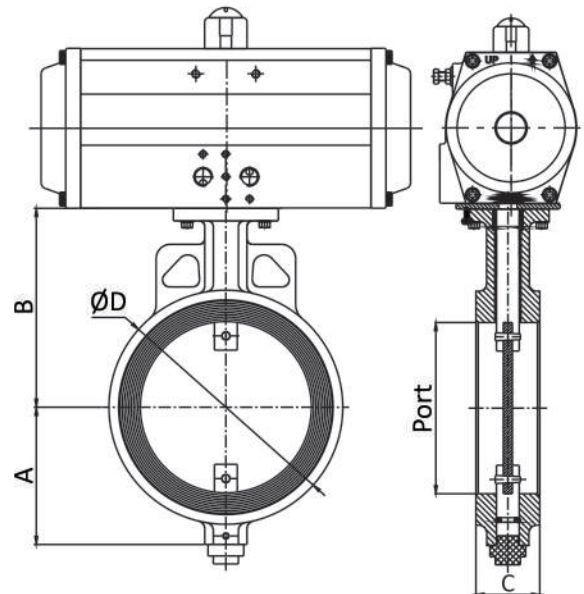
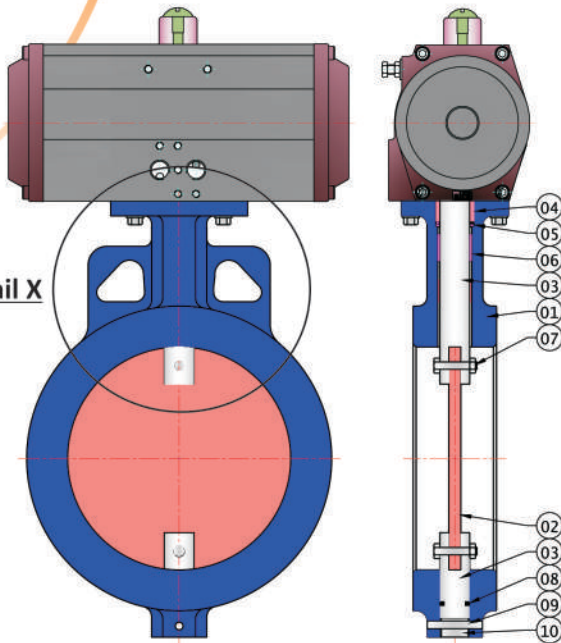
Accessories :

- On / OFF Indicator
- NAMUR Standard Solenoid Valve in all Standard Coil Voltage (Flame Proof Solenoid Coil - On Request)
- Pneumatic & 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 X
Size 1.1/2" to 8"

Detail X



Dimensions : (All Dimensions are in mm)

Valve Model	Valve Size MM	Valve Size Inch	Port ±1 MM	A ±5 MM	B ±5 MM	C ±2 MM	ØD ±5 MM
A4DP - 40	40	1.1/2"	40	55.5	81.5	33.5	85
A4DP - 50	50	2"	50	60.5	100	43.5	80
A4DP - 65	65	2.1/2"	65	68	107.5	46	102
A4DP - 80	80	3"	80	75.5	115	46	125
A4DP - 100	100	4"	100	85.5	125	52	139
A4DP - 125	125	5"	125	108.5	167.5	56	168
A4DP - 150	150	6"	150	121	180	56	204
A4DP - 200	200	8"	200	146	205	60	252
A4DP - 250	250	10"	245	221	271	68	316
A4DP - 300	300	12"	295	252	296	78	362
A4DP - 350	350	14"	340	271	312	78	405
A4DP - 400	400	16"	388	300	365	102	470
A4DP - 450	450	18"	450	332	368	90	540
A4DP - 500	500	20"	490	377	420	90	595

Note : Big Sizes also available.

No.	DESCRIPTION	MATERIAL
1	Body	ASTM - A 126 Grade B (Gray Iron) ASTM - A 216 Grade WCB (Cast Iron) ASTM - A 536 Grade 65-45-12 (Ductile Iron) ASTM - A 351 Grade CF8 / CF8M / CF3M / CD4MCuN
2	Disc	IS 2062 Gr. B with Powder Coated AISI 304 / 316 / 316L with Powder Coated
3	Shaft	AISI 410 / AISI 304 / AISI 316 / AISI 316L
4	Teflon Bush	Teflon
5	Gland Ring	Graphite
6	Bearing Bush	Metal Bush PTFE Coated
7	Nut & Bolt	S. S. 202 / S. S. 304
8	Bottom Ring	Graphite
9	Dowel Pin	IS 2062 Gr. B
10	Bottom Cover	IS 2062 Gr. B

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.

Pub. on: January, 2015 (Rev.-01)

PNEUMATIC ROTARY ACTUATOR OPERATED Double Flange Fabricated Damper Valve

Catalogue No.
APL / 2014

4Matic

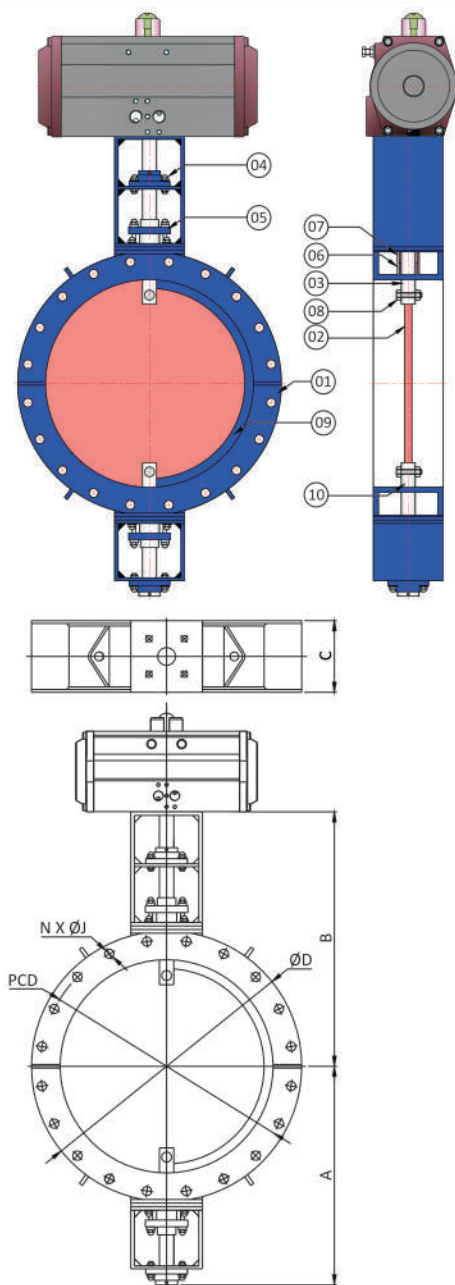
offers ISO 5211 Standard Pneumatic Rotary Actuator Operated Double Flange Fabricated Damper Valve

Size Range : 8" to 80"

Valve Specification

Valve Type	Centric Disc Damper Valve
Body Type	Double Flange
Seat Type	Metal to Metal
End Connection	PN 6, EN 1092 - 1 (ASME B 16.47 Series B)
Pressure Rating	5Kg/cm ²
Oper. Temp. Range	Upto 450 °C
Seat Leakage	5% Leakage Of Main Flow (Class - 1 Available On Request)

We can
manufacture
damper valve as per
client's
drawing & dimension.



No.	DESCRIPTION	MATERIAL
1	Body	IS 2062 Gr. B
2	Disc	IS 2062 Gr. B
3	Shaft	AISI 410
4	Bearing	Standard
5	Gland Pata	IS 2062 Gr. B
6	Teflon Bush	Teflon
7	Graphite Ring	Graphite
8	Hex Bolt	S.S. 304
9	Seat Ring	IS 2062 Gr. B
10	Bottom Shaft	AISI 410

Dimensions :

(All Dimensions are in mm)

Valve Model	Valve Size		ØD ±5 mm	PDC ±0.5 mm	N	ØJ	A	B	C ±2 mm
	MM	Inch							
A4ATF-MS-G-200	200	8"	320	280	8	18	310	360	150
A4ATF-MS-G-250	250	10"	375	335	12	18	338	388	150
A4ATF-MS-G-300	300	12"	440	395	12	22	370	420	150
A4ATF-MS-G-350	350	14"	490	445	16	22	395	445	150
A4ATF-MS-G-400	400	16"	540	495	16	22	420	470	150
A4ATF-MS-G-450	450	18"	595	550	16	22	448	498	150
A4ATF-MS-G-500	500	20"	645	600	20	22	523	573	200
A4ATF-MS-G-600	600	24"	755	705	20	26	578	628	200
A4ATF-MS-G-650	650	26"	785	744	20	26	593	643	200
A4ATF-MS-G-700	700	28"	860	810	24	26	630	680	200
A4ATF-MS-G-750	750	30"	887	846	24	26	644	694	200
A4ATF-MS-G-800	800	32"	975	920	24	30	688	738	200
A4ATF-MS-G-850	850	34"	1005	957	24	30	703	753	200
A4ATF-MS-G-900	900	36"	1075	1020	24	30	738	838	250
A4ATF-MS-G-1000	1000	40"	1175	1120	28	30	788	868	250
A4ATF-MS-G-1200	1200	48"	1405	1340	32	33	903	1003	250
A4ATF-MS-G-1400	1400	56"	1630	1560	36	36	1015	1115	300
A4ATF-MS-G-1600	1600	64"	1830	1760	40	36	1115	1215	300
A4ATF-MS-G-1800	1800	72"	2045	1970	44	39	1223	1323	300
A4ATF-MS-G-2000	2000	80"	2265	2180	48	42	1333	1433	300

Note : Big Sizes also available

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.

Pub. on: January, 2015 (Rev.-01)



PNEUMATIC ROTARY ACTUATOR OPERATED FEP / PFA Lined Butterfly Valve

Catalogue No.
APL / 2012

4Matic
Industrial Valves and Valve Automation

4Matic

offers ISO 5211 Standard Pneumatic Rotary Actuator Operated FEP / PFA Lined Butterfly Valve, engineered for optimum Solution to the corrosive Application.

Size Range : 2" to 12"

Butterfly Valve Specification

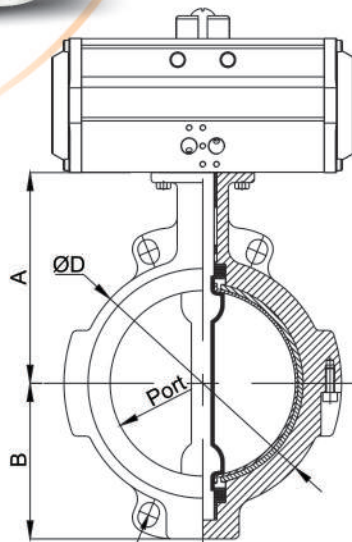
Valve Type	Centric Disc Butterfly Valve with FEP / PFA Lined Body
Body Type	Short Wafer (Sandwiched between flanges) Two Piece Design
Seat Type	Lined with the body
End Connection	Wafer sandwiched (Lug Type On Request)
Pressure Rating	PN 10 / (PN 16 On Request)
Oper. Temp. Range	-25 °C to 200 °C Depending On MOC
Seat Leakage	Tight Shut Off

Accessories :

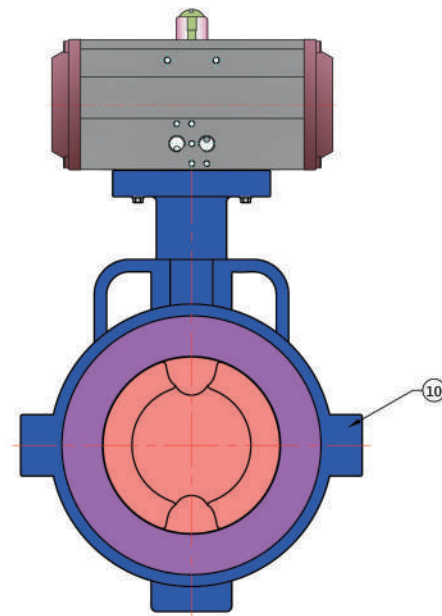
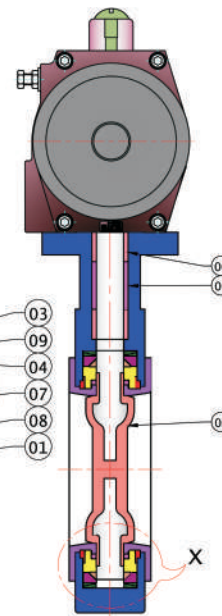
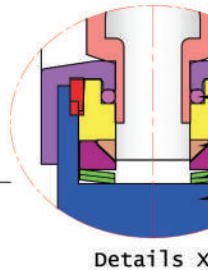
- On / OFF Indicator
- NAMUR Standard Solenoid Valve in all Standard Coil Voltage (Flame Proof Solenoid Coil - On Request)
- Pneumatic & Electro-Pneumatic valve positioner
- Declutchable Manual Over - Ride
- Limit Switches for On / Off Indication at Panel Board
- Filter + Regulator Combination with Pressure Gauge
- Air Lock Valve

Standard :-

Design And Manufacturer	: API 609 Category A/BS 5155 / MSS SP - 67 / C - 504
Valve Face To Face Dimension	: Short Wafer as per ISO 5752 Tab 5 API 609 Category A
Top flange drilling	: ISO 5211 II
Inspection & Testing	: API 598 / BS 6755 / FCI - 70-2
Flange Standard Conformity	: ANSI 150, DIN PN 6 / 16
Spark Test	: 15 kv DC



ON & ABOVE 200 NB.



Dimensions : (All Dimensions are in mm)

Valve Model	Valve Size MM	Inch	Port	A	B	F to F	ØD
A4FEP-SGI-50	50	2"	48	99.5	67	43	101
A4FEP-SGI-65	65	2.1/2"	62	115	65	47	112
A4FEP-SGI-80	80	3"	78	120	81	47	130
A4FEP-SGI-100	100	4"	98	158	95	54	160
A4FEP-SGI-125	125	5"	125	153.5	112.5	57	185
A4FEP-SGI-150	150	6"	148	195	122	59	218
A4FEP-SGI-200	200	8"	200	221	165	64	270
A4FEP-SGI-250	250	10"	241	236	208	72	340
A4FEP-SGI-300	300	12"	291	270	243.5	82	380

No.	DESCRIPTION	MATERIAL	QTY
1	Body	ASTM - A 126 Grade B (Gry Iron) ASTM - A 216 Grade WCB (Cast Steel) ASTM - A 351 Grade Cf8 / CF8M / CF3M	01
2	Disc	ASTM - A 351 Grade Cf8 / CF8M / CF3M (FEP / PFA) with Molding	01
3	Sleeve	FEP / PFA	01
4	'O' Ring	Viton	02
5	Bush	PTFE (Teflon)	02
6	Bush	Metal Bush 304	02
7	Truth Bush	S. S. 304	02
8	Washer	Spring Steel	04
9	Gasket	Silicon Big	02
10	L. N. Bolt	S. S. 202	02

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.

Pub. on: January, 2015 (Rev.-01)

PNEUMATIC ROTARY ACTUATOR OPERATED "PTFE SLEEVE" with MIRROR Finish Disc Butterfly Valve

Catalogue No.
APL / 2031

4Matic

offers ISO 5211 Standard Pneumatic Rotary Actuator Operated PTFE Lined Butterfly Valve for corrosive Application. The PTFE Seal Lined covers the entire wetted surface of the body and Extends on to the flanged contact faces, Thus elimination as possibility of media contact with the body.

Size Range : 2.1/2" to 48"

Butterfly Valve Specification

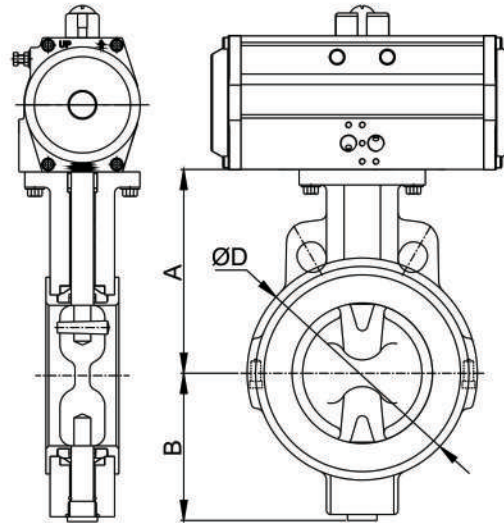
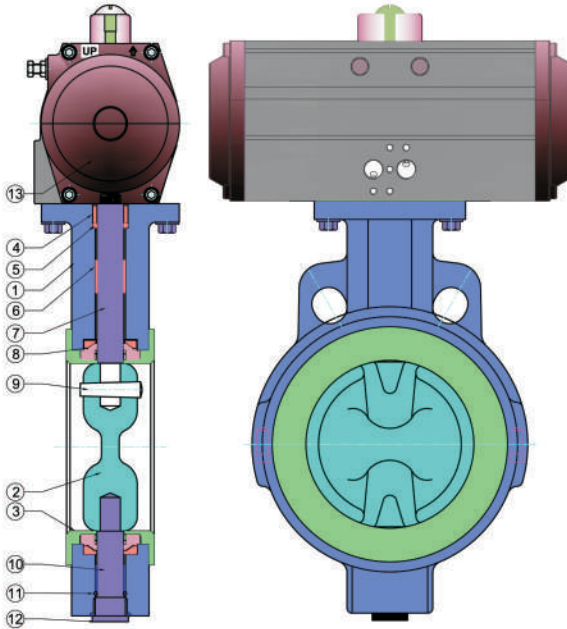
Valve Type	Centric Disc Butterfly Valve with FEP / PFA Lined Body
Body Type	Short Wafer (Sandwiched between flanges) Two Piece Design
Seat Type	Teflon Sleeve
End Connection	Wafer sandwiched (Lug Type On Request)
Pressure Rating	PN 10 / (PN 16 On Request)
Oper. Temp. Range	160 °C Depending On MOC
Seat Leakage	Tight Shut Off

Accessories :

- On / OFF Indicator
- NAMUR Standard Solenoid Valve in
- all Standard Coil Voltage (Flame Proof Solenoid Coil - On Request)
- Pneumatic & Electro-Pneumatic valve positioner
- Decutchable Manual Over - Ride
- Limit Switches for On / Off Indication at Panel Board
- Filter + Regulator Combination with Pressure Gauge
- Air Lock Valve

Standard :-

Design And Manufacturer : API 609 Category A/BS 5155 / MSS SP - 67 / C - 504
 Valve Face To Face Dimension : Short Wafer as per ISO 5752 Tab 5 API 609 Category A
 Top flange drilling : ISO 5211 II
 Inspection & Testing : API 598 / BS 6755 / FCI - 70-2
 Flange Standard Conformity : ANSI 150, DIN PN 6 / 16



No.	Description	Material
1	Body	C.I. / WCB / CF8 / CF8M / D.I.
2	Disc	CF8 / CF8M / D.I.
3	Seat	PTFE
4	Collar	PTFE
5	"O" - Ring	Viton
6	Metal Bush	PTFE Coated
7	Top Shaft	AISI 410
8	Pad	Silicon
9	Disc Pin	S. S. 304
10	Bottom Shaft	AISI 410
11	"O" - Ring	Viton
12	Plug	M.S.
13	Actuator	Alluminium

Dimensions : (All Dimensions are in mm)

Valve Model	Valve Size		A	B	ØD
	MM	Inch			
A4ITC - 50	50	2"	99.5	67	101
A4ITC - 65	65	2.1/2"	115	65	112
A4ITC - 80	80	3"	120	81	130
A4ITC - 100	100	4"	158	95	160
A4ITC - 125	125	5"	153.5	112.5	185
A4ITC - 150	150	6"	195	122	218
A4ITC - 200	200	8"	221	165	270
A4ITC - 250	250	10"	236	208	340
A4ITC - 300	300	12"	270	243.5	380

Note : Big Sizes also available

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.

Pub. on: January, 2015 (Rev.-01)

**PNEUMATIC ROTARY ACTUATOR OPERATED
"UPVC"
Butterfly Valve**

Catalogue No.
APL / 2032

4Matic
Industrial Valves and Valve Automation

4Matic

offers ISO 5211 Standard Pneumatic Rotary Actuator Operated UPVC Butterfly Valve now come with an update design that offers angle switching control. Increased neck height makes it easier to install. Sealing surface and through hole are processed on CNC machines for reliable and enhanced sealing performance.

Size Range : 2" to 8"

Butterfly Valve Specification

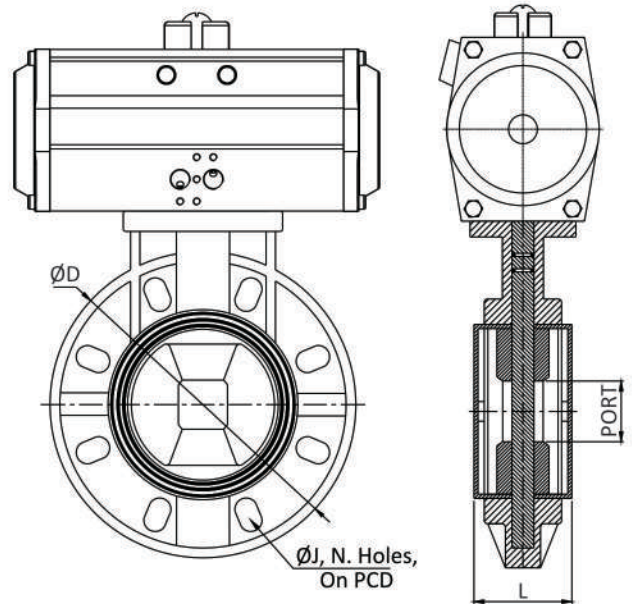
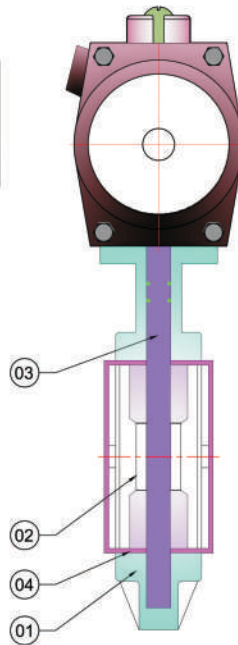
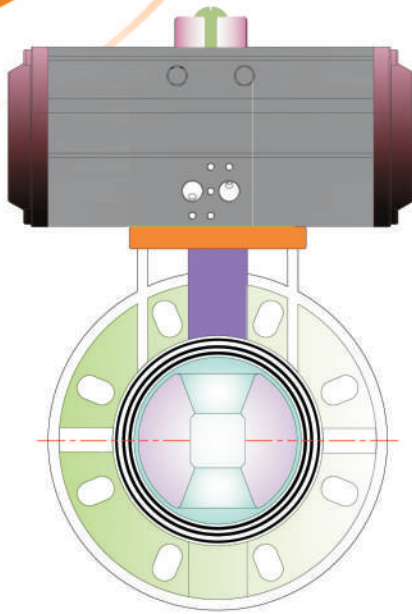
Body	UPVC
Disc	Polypropylene
Pressure	7 Kg/cm ²
Temperature	Upto 80 °C
Ends	Wafer Type

Accessories :

- On / OFF Indicator
- NAMUR Standard Solenoid Valve in
- all Standard Coil Voltage (Flame Proof Solenoid Coil - On Request)
- Pneumatic & Electro-Pneumatic valve positioner
- Declutchable Manual Over - Ride
- Limit Switches for On / Off Indication at Panel Board
- Filter + Regulator Combination with Pressure Gauge

Advantages

- Improved PP disc to enhance the performance.
- Thickness body and seal to extend the service life.
- Materials meet drinking water standard.
- 100% pure virgin material, CaCO₃ free (Chalk)
- UV resistant powder added.
- Can be assembled with pneumatic Actuator.



No.	DESCRIPTION	MATERIAL
1	Body	UPVC
2	Disc	Polypropylene
3	Shaft	AISI 410
4	Seat	NBR

Dimensions : (All Dimensions are in mm)

Valve Model	Valve Size MM	Inch	Port	L	ØD	ØJ	N	PCD
A4UPB - 50	50	2"	54	44.5	160	20	4	123
A4UPB - 65	65	2.1/2"	67	48	184	21	4	143
A4UPB - 80	80	3"	83	53	198	21	8	157
A4UPB - 100	100	4"	101	57	231	21	8	186
A4UPB - 125	125	5"	127	68	257	24	8	213
A4UPB - 150	150	6"	152	73	285	24	8	240
A4UPB - 200	200	8"	200	92	340	24	8	296

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.

Pub. on: January, 2015 (Rev.-01)

PNEUMATIC ROTARY ACTUATOR OPERATED Double Eccentric Off-Set Disc Wafer Type Butterfly Valve

Catalogue No.
APL / 1061

4Matic
Industrial Valves and Valve Automation

4Matic

offers ISO 5211 Standard Pneumatic Rotary Actuator Operated Off - Set Disc Butterfly Valve "WAFER" Type Construction engineered for multiply ON/OFF Operation in the large Pipe line and full flow down Stream.

**Fire Safe
Design**

609 - 0055

Size Range : 2.1/2" to 48"

Standard :

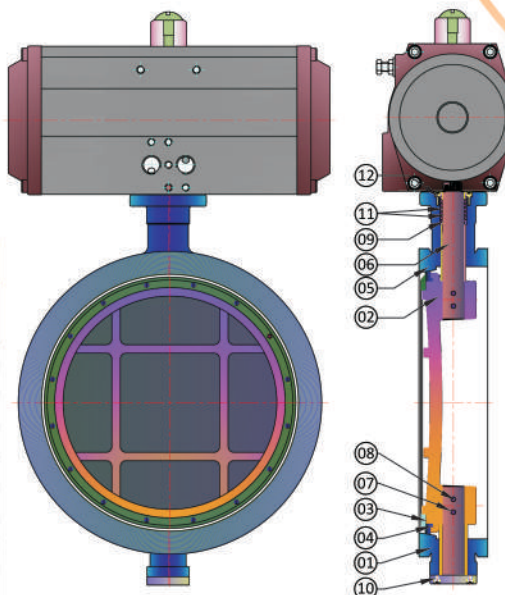
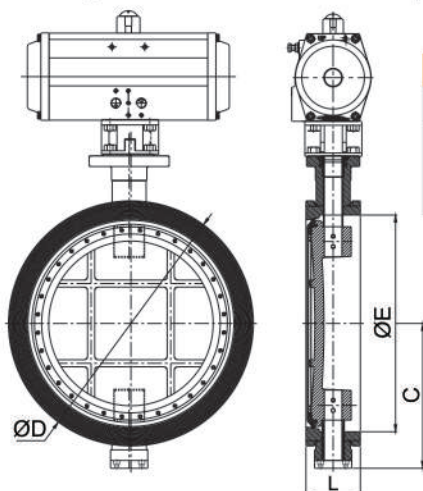
- Design And Manufacturing : API 609 Category "B" / MSS SP - 68
- Valve Face to Face Dimensions : API 609 Category "B" / ISO 5752 MSS SP-68
- Flange Standard Conformity : ASME B 16.5 Class 150
ASME B 16.47 Series "A" Class 150
- Inspection & Testing : API 598
- Pressure Temperature Rating : ASME B16.34
- Top Flange Dimensions : Bolt Hole ISO 5211
- Stem Dimensions : Square Drive to ISO 5211
- Leakage Class : Class VI as per ANSI B 16, 16.104

Accessories :

- On / OFF Indicator
- NAMUR Standard Solenoid Valve in
- all Standard Coil Voltage (Flame Proof Solenoid Coil - On Request)
- Pneumatic & 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

PRESSURE / TEMPERATURE RATING

PRESSURE RATING	150# (PN 10 / PN 16 / PN 25)
OPERATING TEMPERATURE	NBR - -10 °C TO +90 °C / EPDM - -20 °C TO +120 °C VITON - 0 °C TO +220 °C / PTFE - -25 °C TO +180 °C RPTFE - -25 °C TO +220 °C / TFM -25 °C TO +250 °C



Dimensions : (All Dimensions are in mm)

Valve Model	Valve Size		L	ØD	ØE	C
	MM	Inch				
A4BOD-65	65	2.1/2"	48	104.8	70	---
A4BOD-80	80	3"	51	126	86	---
A4BOD-100	100	4"	54	158	110	96
A4BOD-125	125	5"	56	185.87	120	112
A4BOD-150	150	6"	57	216	152	115
A4BOD-200	200	8"	64	270	200	141
A4BOD-250	250	10"	71	325	250	179
A4BOD-300	300	12"	81	373	306	210
A4BOD-350	350	14"	92	412	355	234
A4BOD-400	400	16"	102	472	400	275
A4BOD-450	450	18"	114	532	450	327.5
A4BOD-500	500	20"	127	584	505	359
A4BOD-600	600	24"	154	692.2	612	409
A4BOD-650	650	26"	165	749.3	640	640
A4BOD-700	700	28"	165	800.1	705	500
A4BOD-750	750	30"	190	857.25	725	571
A4BOD-800	800	32"	190	915	800	630
A4BOD-850	850	34"	205	965.2	850	655.5
A4BOD-900	900	36"	205	1022.35	900	680
A4BOD-1000	1000	40"	300	1124	1000	735
A4BOD-1200	1200	48"	350	1359	1200	915

No.	Description	Material	Qty.
1	Body	C.I. / WCB / CF8 / CF8M / D.I.	1
2	Disc	C.I. / WCB / CF8 / CF8M / D.I.	1
3	Retainer	M.S. / CF8 / CF8M	1
4	Disc Seal Ring	PTFE / RPTFE / NBR / EPDM / Viton	1
5	Body Seat Ring	S.S. 304 / 316	1
6	Shaft	S.S. 304 / 316 / 410	1
7	Stem Shaft	S.S. 304 / 316 / 410	1
8	Disc Pin	S.S. 304 / 316 / 410	4
9	Flange Side Washer	S.S. 304 / 316 / 410	1
10	Stem Square	M.S. / CF8 / CF8M	1
11	Gland Seal Set	PTFE / NBR / EPDM / Viton	5
12	Gland Plate	M.S. / CF8 / CF8M	1

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.

Pub. on: January, 2015 (Rev.-01)

PNEUMATIC ROTARY ACTUATOR OPERATED Double Eccentric Off-Set Double Flange Butterfly Valve 150#

Catalogue No.
APL/1059

4Matic
Industrial Valves and Valve Automation

4Matic

offers ISO 5211 Standard Pneumatic Rotary Actuator Operated Off - Set Disc Butterfly Valve in Double Flange Construction engineered for multiple ON / OFF Operation in the large Pipe line and full flow down Stream.



Size Range : 2.1/2" to 48"

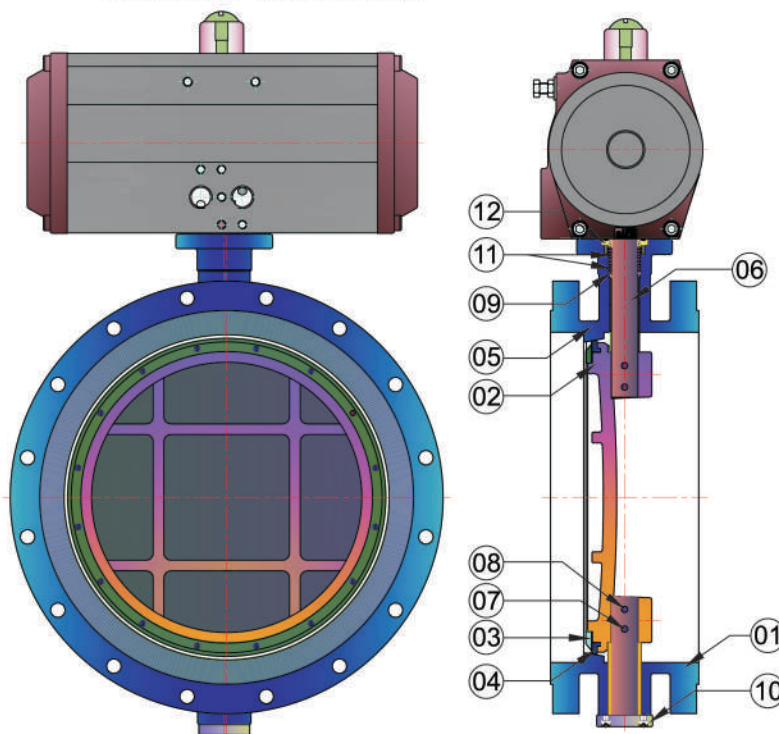
Standard :

- Design And Manufacturing : API 609 / BS 5155 / BSEN 593 IS 13095 / AWWA C-504
- Valve Face to Face Dimensions : API 609 (Short Pattern) / BS 5155 (Short Pattern) IS 13095 (Short Pattern) AWWA C - 504 (Short Pattern)
- Flange Standard Conformity : ASME B16.5 Class 150 (Upto 24") ASME B16.47 Series "A" Class 150 (26" to 48") AWWA C-207, IS1538, BS5404, IS 6392
- Inspection & Testing : API 598 / BS 6755 / AWWA C -504
- Pressure Temperature Rating : ASME B16.34
- Top Flange Dimensions : Bolt Hole ISO 5211
- Stem Dimensions : Square Drive To ISO 5211
- Leakage Class : Class VI As Per ASME B 16, 16.104



609 - 0055

**Fire Safe
Design**



PRESSURE / TEMPERATURE RATING

PRESSURE RATING	150# (PN 10 / PN 16 / PN 25)
OPERATING TEMPERATURE	NBR - -10 °C TO +90 °C
	EPDM - -20 °C TO +120 °C
	VITON - 0 °C TO +220 °C
	PTFE - -25 °C TO +180 °C
	RPTFE - -25 °C TO +220 °C
	TFM -25 °C TO +250 °C

Accessories :

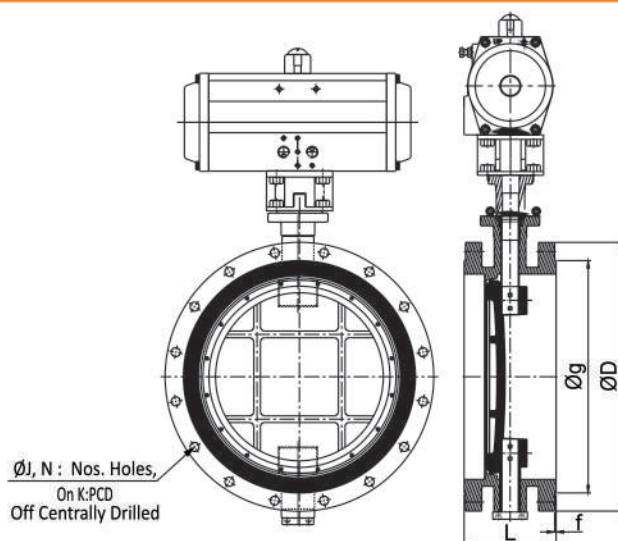
- On / OFF Indicator
- NAMUR Standard Solenoid Valve in
- all Standard Coil Voltage (Flame Proof Solenoid Coil - On Request)
- Pneumatic & Electro-Pneumatic valve positioner
- Declutchable Manual Over - Ride
- Limit Switches for On / Off Indication at Panel Board
- Filter + Regulator Combination with Pressure Gauge
- Air Lock Valve

Notes : We Have Successfully Carried Out Proof of Design Test on these Rubber Seated Butterfly Valve as per AWWA C - 504

No.	Description	Material	Qty.
1	Body	C.I. / WCB / CF8 / CF8M / D.I	01
2	Disc	WCB / CF8 / CF8M / D.I	01
3	Retainer	M.S. / CF8 / CF8M	01
4	Disc Seal Ring	RPTFE / PTFE / NBR / EPDM / Viton	01
5	Body Seat Ring	S.S. 304 / 316	01
6	Shaft	S.S. 304 / 316 / 410	01
7	Stem Shaft	S.S. 304 / 316 / 410	01
8	Disc Pin	S.S. 304 / 316 / 410	03
9	Flange Side Washer	S.S. 304 / 316 / 410	01
10	Stem Square	M.S. / CF8 / CF8M	01
11	Gland Seal Set	PTFE / NBR / EPDM / Viton / RPTFE	05
12	Gland Plate	M.S. / CF8 / CF8M	01

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.

Pub. on: January, 2015 (Rev.-01)



Note : Big Sizes also available

Dimensions :

(All Dimensions are in mm)

Valve Model	Valve Size		150#							AWWA C - 504					
	MM	Inch	L API 609	ØD	Øg	f	ØJ	N	K:PCD	L AWWA C - 504	ØD	b	ØJ	N	K:PCD
A4BOD - 65	65	2.1/2"	112	180	104.8	2	19.05	04	139.7	127	180	16	19.05	4	139.7
A4BOD - 80	80	3"	114	190	127	2	19.05	04	152.4	127	190	16	19.05	4	152.4
A4BOD - 100	100	4"	127	230	157.2	2	19.05	08	190.5	127	228.6	16	19.05	8	190.5
A4BOD - 125	125	5"	140	255	185.7	2	22.2	08	215.9	127	254	16	19.05	8	215.9
A4BOD - 150	150	6"	140	280	215.9	2	22.2	08	241.3	127	279.4	17.5	22.35	8	241.3
A4BOD - 200	200	8"	152	345	269.9	2	22.2	08	298.5	152	342.9	17.5	22.35	8	298.45
A4BOD - 250	250	10"	165	405	323.8	2	25.4	12	362	203	406.4	17.5	25.4	12	361.95
A4BOD - 300	300	12"	178	485	381	2	25.4	12	431.8	203	482.6	20.6	25.4	12	431.8
A4BOD - 350	350	14"	190	535	412.8	2	28.6	12	476.3	203	533.4	23.8	28.45	12	476.25
A4BOD - 400	400	16"	216	595	469.9	2	28.6	16	539.8	203	596.9	25.4	28.45	16	539.75
A4BOD - 450	450	18"	222	635	533.4	2	31.75	16	577.9	203	635	26.9	31.75	16	577.85
A4BOD - 500	500	20"	229	700	584.2	2	31.75	20	635	203	698.5	28.5	31.75	20	635
A4BOD - 600	600	24"	267	815	692.2	2	34.9	20	749.3	203	812.8	31.75	35.05	20	749.3
A4BOD - 650	650	26"	292	870	749	2	34.9	24	806.4	305	869.9	33.3	35.05	24	806.45
A4BOD - 700	700	28"	292	925	800	2	34.9	28	863.6	305	927.1	33.3	35.05	28	863.6
A4BOD - 750	750	30"	318	985	857	2	34.9	28	914.4	305	984.25	35	35.05	28	914.4
A4BOD - 800	800	32"	318	1060	914	2	41.3	28	977.9	305	1060.45	38.1	41.15	28	977.9
A4BOD - 850	850	34"	320	1110	965	2	41.3	32	1028.7	305	1111.25	38.1	41.15	32	1028.7
A4BOD - 900	900	36"	340	1170	1022	2	41.3	32	1085.8	305	1168.4	41.2	41.15	32	1085.85
A4BOD - 1000	1000	40"	410	1290	1124	2	41.3	36	1200.2	305	1289	41.2	41.15	36	1200.15
A4BOD - 1050	1050	42"	410	1345	1194	2	41.3	36	1257.3	305	1346.2	44.5	41.15	36	1257.3
A4BOD - 1200	1200	48"	470	1510	1359	2	41.3	44	1422.4	381	1511.3	47.62	41.15	44	1422.4

Dimensions :

(All Dimensions are in mm)

Valve Model	Valve Size		PN 10							PN 16						
	MM	Inch	L API 609	ØD	Øg	f	ØJ	N	K:PCD	L API 609	ØD	Øg	f	ØJ	N	K:PCD
A4BOD - 65	65	2.1/2"	---	---	---	---	---	---	---	112	185	122	3	18	04	145
A4BOD - 80	80	3"	114	200	133	3	18	04	160	114	200	138	3	18	08	160
A4BOD - 100	100	4"	127	220	153	3	19	08	180	127	220	158	3	18	08	180
A4BOD - 150	150	6"	140	285	209	3	23	08	240	140	285	212	3	22	08	240
A4BOD - 200	200	8"	152	340	264	3	23	08	295	152	340	268	3	22	12	295
A4BOD - 250	250	10"	165	395	319	3	23	12	350	165	405	320	3	26	12	355
A4BOD - 300	300	12"	178	445	367	4	23	12	400	178	460	378	4	26	12	410
A4BOD - 350	350	14"	190	505	427	4	23	16	460	190	520	438	4	26	16	470
A4BOD - 400	400	16"	216	565	477	4	28	16	513	216	580	490	4	30	16	525
A4BOD - 450	450	18"	222	615	527	4	28	20	565	222	640	490	4	30	20	585
A4BOD - 500	500	20"	229	670	582	4	28	20	620	229	715	610	4	33	20	650
A4BOD - 600	600	24"	267	780	682	5	31	20	725	267	840	725	5	36	20	770
A4BOD - 650	650	26"	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A4BOD - 700	700	28"	292	895	797	5	31	24	840	292	910	795	5	36	24	840
A4BOD - 750	750	30"	318	960	857	5	31	24	900	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
A4BOD - 800	800	32"	318	1015	904	5	34	24	950	318	1025	900	5	39	24	950
A4BOD - 900	900	36"	330	1115	1004	5	34	28	1050	330	1125	1000	5	39	28	1050
A4BOD - 1000	1000	40"	410	1230	1111	5	36	28	1160	410	1255	1115	5	42	28	1170
A4BOD - 1200	1200	48"	470	1455	1328	5	40	32	1380	470	1485	1330	5	48	32	1390

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Pub. on: January, 2015 (Rev.-01)

PNEUMATIC ROTARY ACTUATOR OPERATED Double Eccentric Off-Set Double Flange Butterfly Valve 300# & 600#

Catalogue No.
APL / 2033

4Matic
Industrial Valves and Valve Automation

4Matic

offers ISO 5211 Standard Pneumatic Rotary Actuator Operated Off - Set Disc Butterfly Valve in Double Flange Construction engineered for multiply ON / OFF Operation in the large Pipe line and full flow down Stream.

Size Range : 2" to 24" (300#) / 2" to 24" (600#)

Standard :-

Design And Manufacturer	: API 609 / BS 5155 / BSEN 593 / IS 13095
Valve Face To Face Dimension	: API 609 (Short Pattern) / BS 5155 (Long Pattern) IS 13095 (Long Pattern)
Flange Standard Conformity	: ASME / ANSI B 16.5 Class 300 & 600
Inspection & Testing	: API 598

PRESSURE / TEMPERATURE RATING (300# & 600#)

PRESSURE RATING	300# (PN 25 / PN 40)
	600# (PN 60)
OPERATING TEMPERATURE	NBR - -10 °C TO +90 °C / EPDM - -20 °C TO +120 °C
	VITON - 0 °C TO +220 °C / PTFE - -25 °C TO +180 °C
	RPTFE - -25 °C TO +220 °C / TFM -25 °C TO +250 °C

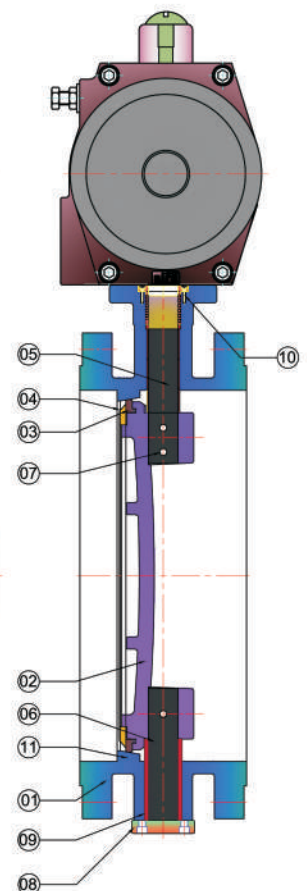
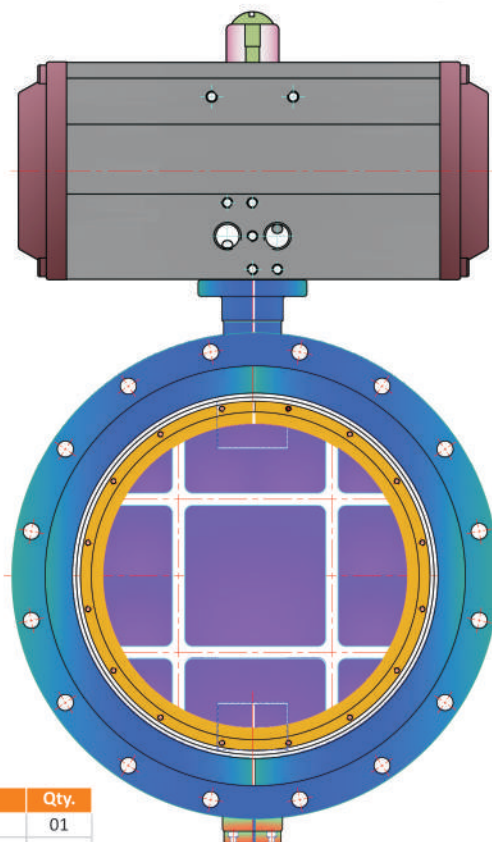


609 - 0055



Accessories :

- On / OFF Indicator
- NAMUR Standard Solenoid Valve in
- all Standard Coil Voltage (Flame Proof Solenoid Coil - On Request)
- Pneumatic & 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



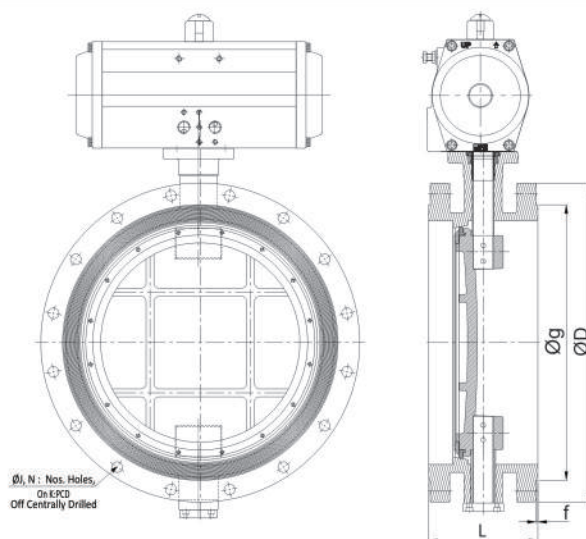
No.	Description	Material	Qty.
1	Body	ASTM A 216 Gr. WCB / A 351 Gr. CF8 / CF8M	01
2	Disc	ASTM A 216 Gr. WCB / A 351 Gr. CF8 / CF8M	01
3	Disc Seal Ring	PTFE / RPTFE / NBR / EPDM / Viton	01
4	Retainer	IS 2062 Gr B M.S. / ASTM A 351 Gr. CF8 / CF8M	01
5	Shaft	ASTM A 479 Type 410 / 304 / 316	01
6	Steam Shaft	ASTM A 479 Type 410 / 304 / 316	01
7	Disc Pin	S.S. 202 / 304 / 316	02
8	Steam Plate	M.S.	01
9	Shaft Bush	ASTM A - 479 Type 410 / 304 / 316	02
10	Gland Plate	M.S.	01
11	Body Seat Ring	ASTM A 479 Type 304 / 316	01

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Pub. on: January, 2015 (Rev.-01)

Valve Torque 300#								VALVE TORQUE 600#				
Valve Size		10 Bar	20 Bar	25 Bar	35 Bar	40 Bar	50 Bar	30 Bar	40 Bar	60 Bar	80 Bar	100 Bar
MM	Inch	N - m	N - m	N - m	N - m	N - m	N - m	N - m	N - m	N - m	N - m	N - m
80	3"	55	62	70	75	76	80	----	----	----	----	----
100	4"	72	89	104	111	114	125	----	----	----	----	----
125	5"	96	127	137	148	160	178	----	----	----	----	----
150	6"	126	138	178	194	205	220	600	700	850	1000	1300
200	8"	205	252	281	304	328	354	1000	1150	1400	1650	2100
250	10"	325	468	503	560	594	663	1650	1900	2300	2800	3800
300	12"	465	685	777	868	937	1005	2400	2850	3450	4100	4900
350	14"	747	1126	1461	1776	1836	2021	3400	4300	5350	6300	7500
400	16"	1065	1654	2020	2204	2448	2700	5000	6900	8900	9700	11500
450	18"	1346	2143	2458	2938	3183	3428	7000	9400	12000	14500	17000
500	20"	2014	3056	3590	3852	4244	4570	8700	12000	15000	18000	21000
600	24"	3052	4578	5223	5876	6464	6921	15000	21000	25700	30500	36000

Butterfly Valve CV Values 300#											Butterfly Valve CV Values 600#									
Valve Size		10°	20°	30°	40°	50°	60°	70°	80°	90°	10°	20°	30°	40°	50°	60°	70°	80°	90°	
MM	Inch																			
80	3"	----	----	----	----	----	----	----	----	----	4	15.6	31.5	47.6	74.5	110	180	200	230	
100	4"	----	----	----	----	----	----	----	----	----	8	27.9	56	90	130	190	310	350	400	
125	5"	----	----	----	----	----	----	----	----	----	13.1	46	92	150	220	310	520	580	670	
150	6"	17.4	61	120	190	290	420	680	770	870	19.9	70	140	220	330	480	780	890	1000	
200	8"	27.2	100	200	300	460	640	1070	1200	1370	36.3	130	260	400	610	860	1430	1600	1830	
250	10"	42	150	290	460	690	980	1630	1840	2090	56	200	390	620	920	1300	2170	2450	2780	
300	12"	59	200	410	650	970	1390	2300	2600	2950	84	290	590	930	1400	1980	3290	3700	4200	
350	14"	73	260	510	800	1200	1710	2840	3200	3640	100	370	730	1140	1700	2500	4060	4570	5200	
400	16"	100	350	700	1100	1660	2360	39140	4410	5010	140	480	960	1500	2300	3220	5340	6020	6840	
450	18"	120	440	870	1360	2040	2900	4810	5430	6170	1180	640	1260	2000	3000	4220	7000	7900	9000	
500	20"	170	580	1160	1810	2720	3870	640	7250	8250	240	840	1680	2600	3950	5630	9300	10500	12000	
600	24"	260	900	1800	2830	4250	6050	10000	11300	12900	380	1300	2630	4200	6200	8800	14600	16500	18700	



Dimensions :											(All Dimensions are in mm)						
Valve Model	Valve Size		300#								600#						
	MM	Inch	L	ØD	Øg	f	ØJ	b	N	K:PCD	L	ØD	Øg	f	ØJ	N	K:PCD
A4BOD - 50	50	2"	150	165.1	91.9	1.6	19.05	----	08	127	----	----	----	----	----	----	----
A4BOD - 65	65	2.1/2"	170	190.5	104.6	1.6	22.35	----	08	149.35	----	----	----	----	----	----	----
A4BOD - 80	80	3"	180	209.55	127	1.6	22.35	28.45	08	168.14	180	210	127	6.35	22.0	08	168.3
A4BOD - 100	100	4"	190	254	157.2	1.6	22.35	31.75	08	200.0	190	275	157	6.35	25.4	08	215.9
A4BOD - 125	125	5"	200	279.4	185.6	1.6	22.35	35.05	08	234.9	210	330	185	6.35	28.5	08	266.7
A4BOD - 150	150	6"	210	317.5	215.9	1.6	22.35	36.50	12	269.9	210	355	216	6.35	28.5	12	292.1
A4BOD - 200	200	8"	230	381	270	1.6	25.4	41.15	12	330.2	230	420	270	6.35	32.0	12	349.2
A4BOD - 250	250	10"	250	444.5	323.8	1.6	28.5	47.75	16	387.35	250	510	324	6.35	35.0	16	431.8
A4BOD - 300	300	12"	270	520.7	381	1.6	31.75	50.80	16	450.9	270	560	381	6.35	35.0	20	489.5
A4BOD - 350	350	14"	290	584.2	412.75	1.6	31.75	53.85	20	514.35	290	605	413	6.357	38.1	20	527.0
A4BOD - 400	400	16"	310	647.7	469.9	1.6	35.0	57.15	20	571.5	310	685	470	6.35	41.15	20	603.2
A4BOD - 450	450	18"	330	711.2	533.4	1.6	35.0	60.45	24	628.6	330	745	534	6.35	44.45	20	654.0
A4BOD - 500	500	20"	350	774.7	584.2	1.6	35.0	63.50	24	685.8	350	815	584	6.35	44.45	24	723.9
A4BOD - 600	600	24"	390	914.4	692.15	1.6	41.14	69.85	24	812.8	390	940	692	6.35	50	24	838.2

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.

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5 Special Effects

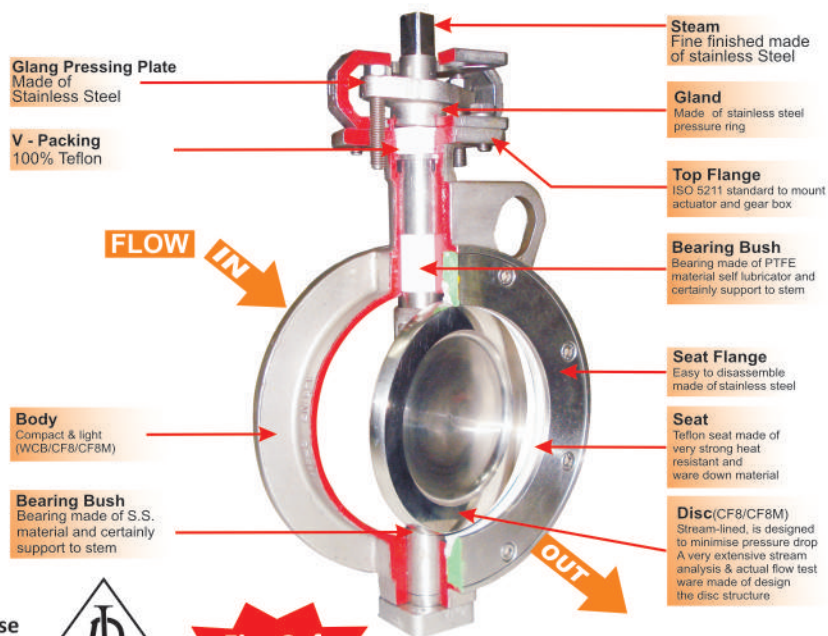
- Compact Design - Full Port - Offers Mass Flow
- Simple Structure, Light & Smooth - Takes Very Short Time For Opening & Closing With Very Low Torque
- Easy Maintenance - Replaceable Seals Design
- Self Sealing - Self Cleaning The Under Cut Disc Segment And Seal Tends To Wipe Away The Material Form The Sealing Area,
- Gland Pressing Plate - Ensure Complete Utilization of Gland Seals

Hygienic Powder & Slurries, especially in
Pharmaceutical Industries.
Chemical and Dyeing Fluids in Textile Processing
Brine Waters & Oils.
Steam Lines, Air / Gas Lines / Vacuum.

- Weight ■ Space ■ Pressure Range
- Multiple Operations ■ Maintenance Ease
- Torque & Economy

- On / OFF Indicator
- NAMUR Standard Solenoid Valve in
- all Standard Coil Voltage (Flame Proof Solenoid Coil - On Request)
- Pneumatic & 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

Spherical Disc Valve	Technical Specifications :
Size Range	1.1/2" to 36"
Construction Type	Double Eccentric Disc Design
Body	WCB / CF8 / CF8M
Disc	CF8 / CF8M
Seat	PTFE (available EPDM / Metal to Metal)
Shaft	ANSI 410 / 304 / 316
Plate Mounting	Namur Standard
Pressure Rating	ANSI 150 Class ANSI 300 / 600 Class
End Connection	Wafer Sandwiched Lug Type
Operating Temp. Range	-25 °C to 180 °C (Soft Seating) -25 °C to 600 °C (Metal to Metal Seating)
Operating	Pneumatic Actuator Operated



609 - 0055

Fire Safe Design

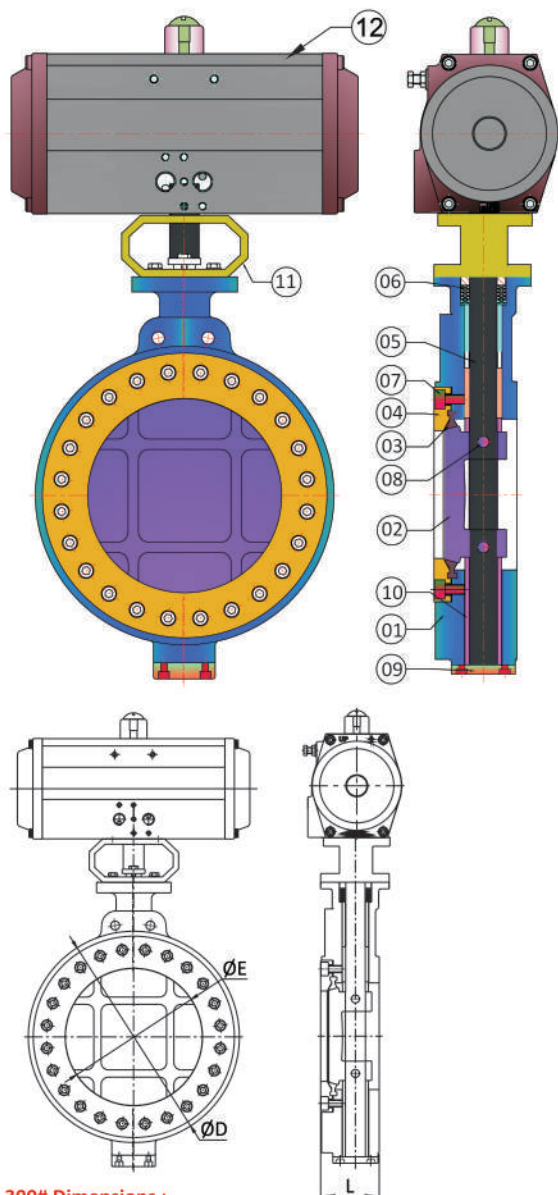
CV Value in GPM			CV Value in GPM					
Valve Size		CV Full Open 90° (GPM) Class 150	Valve Size		Differential Pressure (AP)			
MM	Inch		MM	Inch	5 Kg/cm²	10 Kg/cm²	15 Kg/cm²	20 Kg/cm²
(40)	1.1/2"	70	(40)	1.1/2"	0.8	1.0	1.2	1.5
(50)	2"	92	(50)	2"	0.9	1.2	1.5	1.7
(65)	2.1/2"	150	(65)	2.1/2"	1.6	2.2	2.4	3.0
(80)	3"	260	(80)	3"	3.0	3.4	4.2	5.0
(100)	4"	460	(100)	4"	4.0	4.6	5.4	6.4
(125)	5"	760	(125)	5"	5.8	8.0	9.5	11.5
(150)	6"	1350	(150)	6"	9.0	11.5	12.5	14.5
(200)	8"	2200	(200)	8"	14.0	17.5	24.0	28.0
(250)	10"	3200	(250)	10"	23.5	26.5	28.0	30.0
(300)	12"	4700	(300)	12"	32.0	36.0	40.0	50.0
(350)	14"	5800	(350)	14"	50.0	65.0	83.5	108.5
(400)	16"	8000	(400)	16"	69.4	94.5	120.0	160.0
(450)	18"	10500	(450)	18"	95.5	128.0	157.2	205.0
(500)	20"	14000	(500)	20"	122.5	193.3	210.0	293.4
(600)	24"	21000	(600)	24"	213.3	293.4	366.7	440.1
(650)	26"	23400	(650)	26"	265	350	400	510
(700)	28"	27000	(700)	28"	300	395	480	595
(750)	30"	33300	(750)	30"	321	420	519	617
(800)	32"	40200	(800)	32"	481	630	780	920
(900)	36"	56500	(900)	36"	518	663	850	992

Standards	Series 5150 (40 NB To 600 NB)	Series 6150 (650 NB To 1200 NB)
Design and manufacturing	API 609 Category B	MSS SP - 68
Valve face to face dimensions	API 609 Category B / ANSI B 16.10	ISO 5752 Series 20, MSS SP - 68
Flange Standard conformity	ANSI B 16.5 Class 150	ASME / ANSI B 16.47 Series 'A'
Inspection & testing Standard	API 598 / ANSI FCI 70 - 2	API 598 / BS 6755
Fire safe testing	API 607	API 607
Pressure temperature rating	ASME / ANSI B 16.34	ASME / ANSI B 16.34

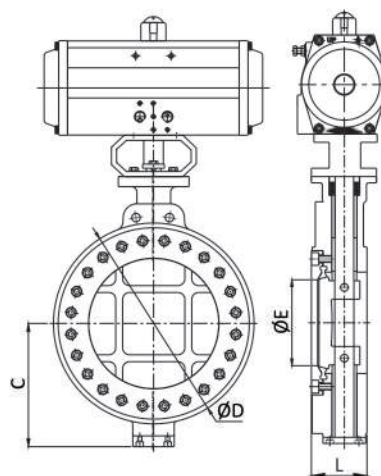
Design And Manufacturer	: API 609 Category "B"
Valve Face To Face Dimension	: API 609 Category "B"
Flange Standard Conformity	: ASME / ANSI B 16.5 Class 300
Inspection & Testing	: API 598

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.

Pub. on: January, 2015 (Rev.-01)



No.	Description	Material
1	Body	WCB / CF8 / CF8M
2	Disc	CF8 / CF8M
3	Replaceable Seat	PTFE / NBR / Viton
4	Retainer	M.S. / S. S. 304 / 316
5	Shaft	S. S. 410 / 304 / 316
6	Gland Packing	PTFE / NBR / Viton
7	Retainer Bolt	S. S.
8	Disc Pin	S. S. 304 / 316
9	Steam Plate	M.S. / S. S. 304 / 316
10	Shaft Bush	M.S. / S. S. 304 / 316
11	Bracket	M.S.
12	Actuator	STD.



300# Dimensions :

Dimensions 300# : (All Dimensions are in mm)

Valve Size		L	ØD	ØE
MM	Inch			
40	1.1/2"	42	88	38
50	2"	45	101	50.8
65	2.1/2"	48	108.5	60.6
80	3"	48	127	72
100	4"	54	159	100
125	5"	59	187	123
150	6"	59	219	143.2
200	8"	64	270	192
250	10"	87	340	239.2
300	12"	92	394	290
350	14"	117	436	335
400	16"	113	500	387.5
450	18"	149	540	425
500	20"	159	595	475
600	24"	181	705	560

150# Dimensions :

Dimensions 150# : (All Dimensions are in mm)

Valve Model	Valve Size		L	C	ØE	ØD	Weight (Approx.)
	MM	Inch					
A4SDV - 40	40	1.1/2"	42	57	38	82	1.600
A4SDV - 50	50	2"	45	68.5	50.8	95	2.200
A4SDV - 65	65	2.1/2"	48	74.5	60.6	108	3.000
A4SDV - 80	80	3"	48	80	72	127	3.800
A4SDV - 100	100	4"	54	96	100	159	5.600
A4SDV - 125	125	5"	57	117	123	186	7.700
A4SDV - 150	150	6"	57	132	143	217	10.400
A4SDV - 200	200	8"	64	157	192	270	15.000
A4SDV - 250	250	10"	71	187	239	322	25.750
A4SDV - 300	300	12"	81	218	290	382	36.000
A4SDV - 350	350	14"	92	242	335	436	46.900
A4SDV - 400	400	16"	102	270.5	387.5	495	66.850
A4SDV - 450	450	18"	114	362	425	540	117.000
A4SDV - 500	500	20"	127	400	475	595	146.500
A4SDV - 600	600	24"	154	454	560	705	290.000
A4SDV - 650	650	26"	165	478	608	755	360.000
A4SDV - 700	700	28"	165	505	661.5	810	390.000
A4SDV - 750	750	30"	190	542	696	855	475.000
A4SDV - 800	800	32"	190	580	755	913	524.000
A4SDV - 900	900	36"	203	640	864	1032	675.000

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Pub. on: January, 2015 (Rev.-01)

**PNEUMATIC ROTARY ACTUATOR OPERATED
"METAL SEATED"
Spherical Disc Valve**

Catalogue No.
APL / 1081

4Matic
Industrial Valves and Valve Automation



609 - 0055

4Matic

SMT Model metal to metal replaceable seat design Spherical Disc Valve.
Temperature upto 400 °C flat metal seat leakage Class VI.

Size Range : 2" to 18"

Accessories :

- On / OFF Indicator
- NAMUR Standard Solenoid Valve in all Standard Coil Voltage (Flame Proof Solenoid Coil - On Request)
- Pneumatic & 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

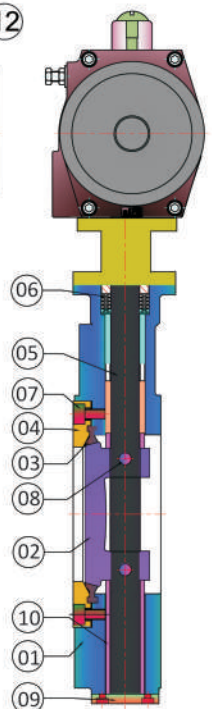
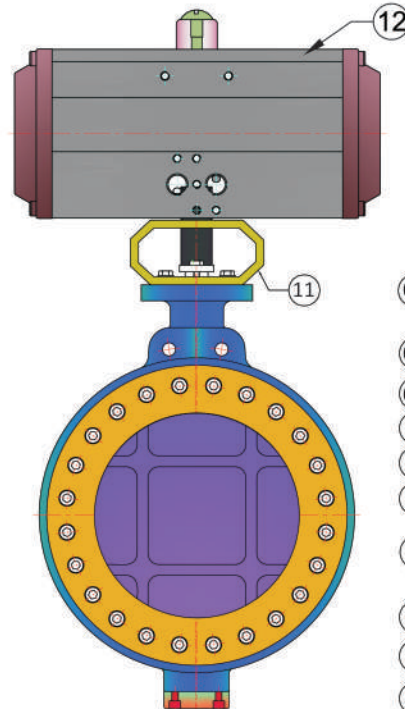
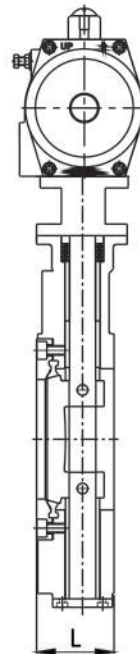
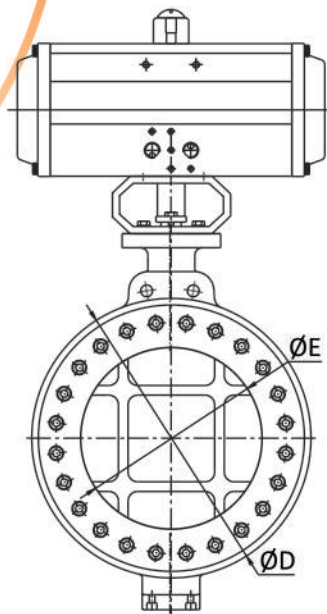
Standard :-

Design And Manufacturer	: API 609
Valve Face To Face Dimension	: API 609 Category "B"
Flange Standard Conformity	: ASME / ANSI B 16.5 Class 150
Inspection & Testing	: API 598
Leakage Class	: ASME B 16, 16.104 Leakage Class VI

PRESSURE / TEMPERATURE RATING

PRESSURE RATING	PN 10
OPERATING TEMPERATURE	-50 °C TO +400 °C

Fire Safe Design



Dimensions :

(All Dimensions are in mm)

Valve Model	Valve Size		L	C	ØE	ØD
	MM	Inch				
A4SMT - 50	50	2"	47	65	50.8	95
A4SMT - 65	65	2.1/2"	52	66.5	60.6	108
A4SMT - 80	80	3"	52	77	72	127
A4SMT - 100	100	4"	57	93	100	159
A4SMT - 125	125	5"	60	117	123	186
A4SMT - 150	150	6"	60	131	143	217
A4SMT - 200	200	8"	67	167	192	270
A4SMT - 250	250	10"	72	196	239	322
A4SMT - 300	300	12"	85	218	290	382
A4SMT - 350	350	14"	92	242	335	436
A4SMT - 400	400	16"	102	270.5	387.5	495
A4SMT - 450	450	18"	114	362	425	540

No.	Description	Material	Qty.
1	Body	WCB / CF8 / CF8M	1
2	Disc	CF8 / CF8M	1
3	Retainer	M.S. / CF8 / CF8M	1
4	Seat Ring	CF8 / CF8M	1
5	Shaft	S.S. 304 / 316	1
6	Stem Shaft	S.S. 304 / 316 / 410	1
7	Disc Pin	S.S. 304 / 316 / 410	1
8	Shaft Collar	S.S. 304 / 316 / 410	4
9	Shaft Bush	S.S. 304 / 316	1
10	Shaft Bush	Graphite	1
11	Gland Seal Set	Graphite	5
13	Actuator	STD.	1

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Pub. on: January, 2015 (Rev.-01)

PNEUMATIC ROTARY ACTUATOR OPERATED "TRIPLE" Off-Set Butterfly Valve

Catalogue No.
APL / 2034

4Matic
Industrial Valves and Valve Automation

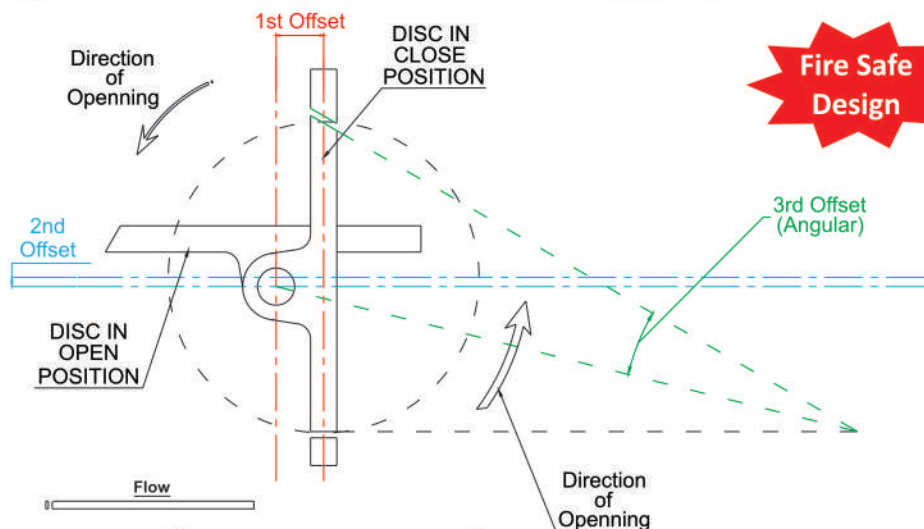
4Matic

offers ISO 5211 Standard Pneumatic Rotary Actuator Operated Triple Off - Set Disc Butterfly Valve in Wafer Construction engineered for multiply ON / OFF Operation in the large Pipe line and full flow down Stream.



609 - 0055

Size Range : 2" to 12"



Fire Safe Design

Standard :-

Design And Manufacturer : API 609
Valve Face To Face Dimension : API 609 Category "B"
Flange Standard Conformity : ASME / ANSI B 16.5 Class 150 / 300
Inspection & Testing : API 598
Leakage Class : ASME B 16, 16.104 Leakage Class VI

Dimensions : (All Dimensions are in mm)

Valve Model	Valve Size		L	ØD	ØE
	MM	Inch			
A4SDVTOB - 50	50	2"	47	95	50.8
A4SDVTOB - 65	65	2.1/2"	52	108	60.6
A4SDVTOB - 80	80	3"	48	127	72
A4SDVTOB - 100	100	4"	54	159	100
A4SDVTOB - 125	125	5"	57	186	123
A4SDVTOB - 150	150	6"	57	217	143
A4SDVTOB - 200	200	8"	64	270	192
A4SDVTOB - 250	250	10"	71	322	239
A4SDVTOB - 300	300	12"	81	382	290

Note : Big Sizes also available

Accessories :

- On / OFF Indicator
- NAMUR Standard Solenoid Valve in all Standard Coil Voltage (Flame Proof Solenoid Coil - On Request)
- Pneumatic & Electro-Pneumatic valve positioner
- Dec clutchable Manual Over - Ride
- Limit Switches for On / Off Indication at Panel Board
- Filter + Regulator Combination with Pressure Gauge
- Air Lock Valve

CV Values

Valve Size		10°	20°	30°	40°	50°	60°	70°	80°	90°
MM	Inch									
50	2"	2	5	11	19	28	41	58	77	85
65	2.1/2"	2	9	20	28	45	60	80	120	130
80	3"	3	10	22	42	64	96	150	157	160
100	4"	6	17	41	75	116	174	273	284	290
125	5"	6	45	75	170	280	478	650	707	795
150	6"	7	51	119	221	340	510	799	833	850
200	8"	4	103	239	445	684	1026	1607	1676	1710
250	10"	50	151	353	655	1008	1515	2369	2470	2520
300	12"	79	236	552	1024	1576	2364	3704	3861	3940

VALVE TORQUE 150#

Valve Size		5 Bar N - m	10 Bar N - m	20 Bar N - m
MM	Inch			
50	2"	11	15	21
65	2.1/2"	20	28	38
80	3"	38	43	63
100	4"	50	58	80
125	5"	73	100	144
150	6"	113	144	181
200	8"	175	219	350
250	10"	294	331	375
300	12"	400	450	625

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.

Pub. on: January, 2015 (Rev.-01)

4Matic

Offers Specially Pharma Butterfly Valve design for power application with be used in pharma machinery.

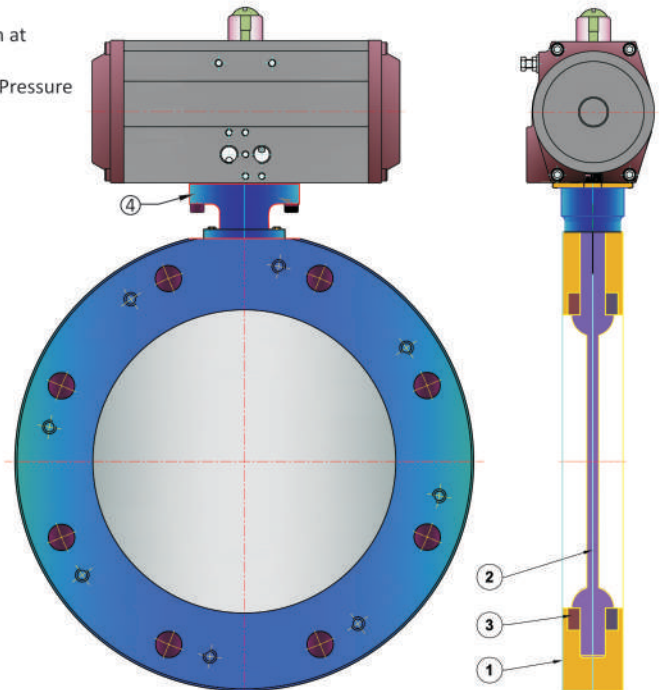
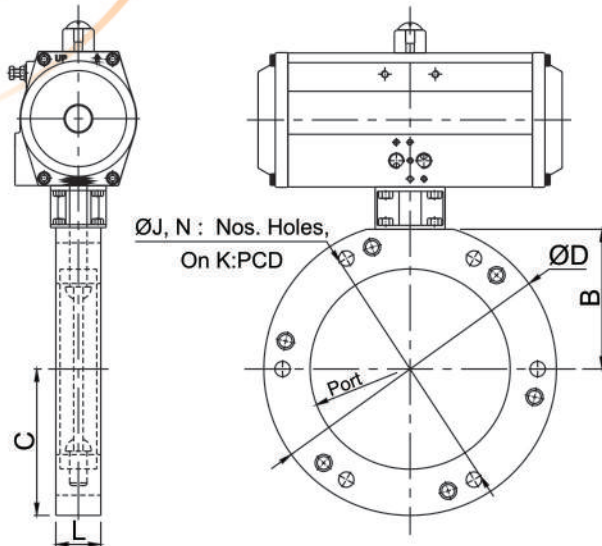
Size Range : 2.1/2" to 16"

Accessories :

- On / OFF Indicator
- NAMUR Standard Solenoid Valve in all Standard Coil Voltage (Flame Proof Solenoid Coil - On Request)
- Pneumatic & Electro-Pneumatic valve positioner
- Dec clutchable Manual Over - Ride
- Limit Switches for On / Off Indication at Panel Board
- Filter + Regulator Combination with Pressure Gauge
- Air Lock Valve

PRESSURE / TEMPERATURE RATING

WORKING PRESSURE	MAX. 3 TO 4 KG/CM ²
OPERATING TEMPERATURE	150 °C



No.	Description	Material	Qty.
1	Body	WCB / CF8 / CF8M	01
2	Disc	WCB / CF8 / CF8M	01
3	Seat	Silicon	01
4	Bracket	S.S.	01

Dimensions :

(All Dimensions are in mm)

Valve Model	Valve Size		Port	L	ØD	N	ØJ	K:PCD	B	C
	MM	Inch								
A4PBV - 65	65	2.1/2"	65	26	178	4	19.05	139.7	----	----
A4PBV - 80	80	3"	80	26	190	4	19.05	152.4	----	----
A4PBV - 100	100	4"	98	32	163	4	11	140	----	----
A4PBV - 150	150	6"	150	30	227	6	11	202.8	111	113.5
A4PBV - 200	200	8"	200	32	279	6	11	255	137	139.5
A4PBV - 250	250	10"	250	32	354.5	6	11	327	173	177.25
A4PBV - 300	300	12"	300	35	405	8	13.5	378	199	202.5
A4PBV - 350	350	14"	350	40	527	12	25.4	469.9	260.5	261
A4PBV - 400	400	16"	400	40	577.9	12	25.4	520.7	285	290

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.

Pub. on: January, 2015 (Rev.-01)

PNEUMATIC ROTARY ACTUATOR OPERATED Double Flange MS Fabricated Butterfly Valve

Catalogue No.
APL / 2016

4Matic

Steel Fabricated Double Flange Butterfly Valve Construction engineered for multiply ON / OFF Operation in the large Pipe line and full flow down Stream.

Size Range : 50" to 104" (12" to 48" OnRequest)

Standard :-

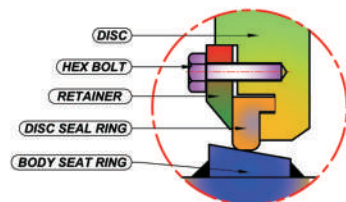
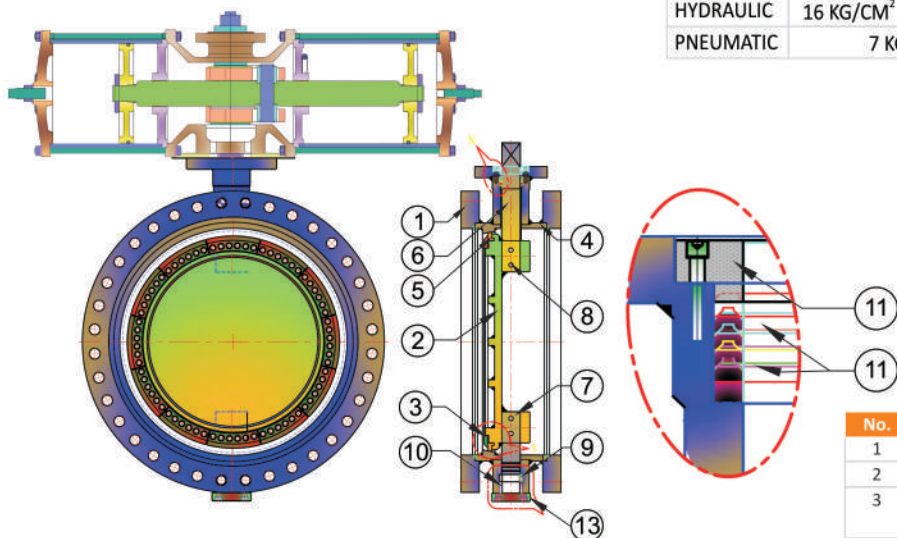
Design And Manufacturer : AWWA C - 504
Valve Face To Face Dimension Upto 72" : AWWA C - 504
Valve Face To Face Dimension Upto 72" : As Per Manufacturer Standard
Flange Standard Conformity : AWWA C - 207 Class "D"
Inspection & Testing : AWWA C - 504
Leakage Class : PN 6 / PN 10

PRESSURE / TEMPERATURE RATING

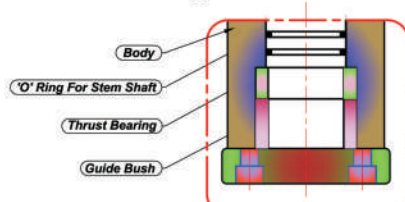
PRESSURE RATING	PN 10
OPERATING TEMPERATURE	-50 °C TO +180 °C

PRESSURE / TEMPERATURE RATING

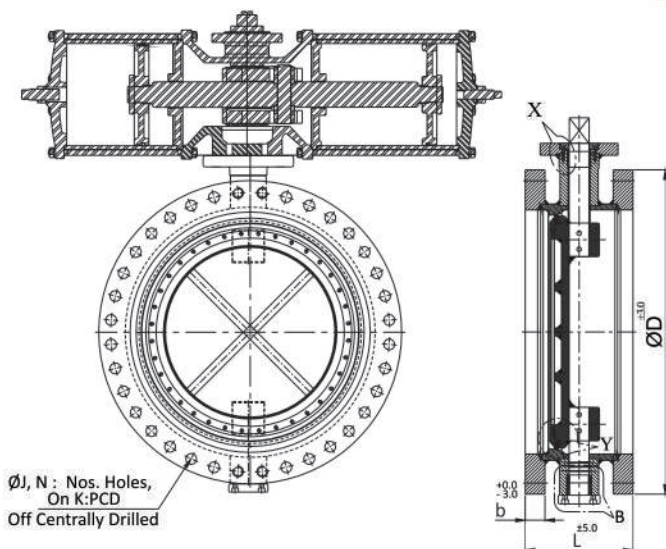
TESTING	BODY	SEAT
HYDRAULIC	16 KG/CM ²	10 KG/CM ²
PNEUMATIC	7 KG/CM ²	



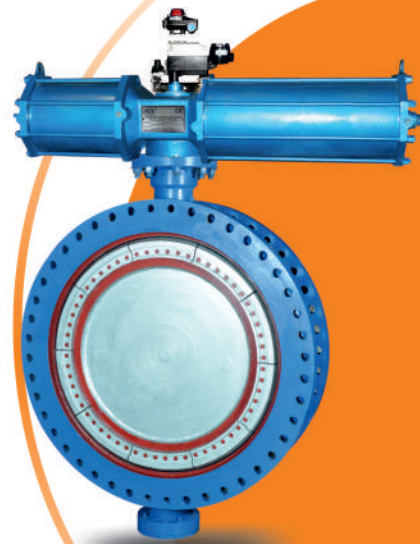
Detail - X



Detail-B



ØJ, N : Nos. Holes,
On K:PCD
Off Centrally Drilled



No.	Description	Material
1	Body	IS 2062 Gr. B M. S.
2	Disc	IS 2062 Gr. B M. S.
3	Retainer	IS 2062 Gr. B / ASTM A - 240 S.S. 304 / 316
4	Body Seat Ring	ASTM A - 479 Type 304 / 316
5	Disc Seal Ring	EPDM / NBR / Viton
6	Shaft	ASTM A - 479 Type 410 / 304 / 316
7	Stem Shaft	ASTM A - 479 Type 410 / 304 / 316
8	Disc Pin	ASTM A - 479 Type 410 / 304 / 316
9	Bearing	Double Thrust Bearing
10	Guide Bush	Bronze
11	Seal Set	EPDM / NBR / Viton
12	Gland Plate	M. S.
13	Stem Plate	IS 2062 Gr. B

Dimensions : (All Dimensions are in mm)

Valve Size		L	ØD	b	ØJ	N	PDC
MM	Inch						
1250	50"	381	1568.5	51	44.45	44	1479.6
1300	52"	381	1626	51	44.45	44	1536.7
1350	54"	381	1682.8	54	44.45	44	1593.8
1400	56"	381	1770	57.15	44.45	52	1670
1500	60"	381	1854.2	57.15	44.45	52	1758.95
1600	64"	381	1915	60	44.45	52	1820
1650	66"	457	2032	63.5	44.45	52	1930.4
1800	72"	457	2197.1	66.5	44.45	60	2095.5
1950	78"	760	2362.2	69.9	50.8	64	2260.6
2000	80"	760	2449	70	50.8	64	2342
2100	84"	830	2533.7	73	50.8	64	2425.7
2200	88"	830	2800	77	58	68	2673.5
2400	96"	910	2876.6	82.6	58	68	2755.9
2500	100"	990	3048	82.6	63.5	72	2908.3
2600	104"	990	3138	86	63.5	72	2994

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.

Pub. on: January, 2015 (Rev.-01)

PNEUMATIC ROTARY ACTUATOR OPERATED Aluminium Pressure Die Cast Butterfly Valve

Catalogue No.
APL / 1071

4Matic
Industrial Valves and Valve Automation

4Matic

Offers ISO 5211 Standard Pneumatic Rotary Actuator Operated "Aluminium Body & SS 316 Disc" KITZ Butterfly Valve with EPDM Rubber.

Size Range : 1.1/2" to 8"

Butterfly Valve Specification

Body	Aluminium Pressure Die Cast
Disc	CF8M (S. S. 316)
Stem	AISI 410 / AISI 304
Shaft	AISI 410 / AISI 304
Seat	EPDM
Valve Rating	PN 10
Body Pressure	225 PSIG
Seat Pressure	165 PSIG
Temperature	140 °C

Accessories :

- On / OFF Indicator
- NAMUR Standard Solenoid Valve in
- all Standard Coil Voltage (Flame Proof Solenoid Coil - On Request)
- Pneumatic & Electro-Pneumatic valve positioner
- Decutchable Manual Over - Ride
- Limit Switches for On / Off Indication at Panel Board
- Filter + Regulator Combination with Pressure Gauge
- Air Lock Valve

Item	Type Of Test	Testing Pressure	Working Pressure	Operating Temperature (High)
Actuator	Pneumatic Bubble Test	180 PSIG	45 To 150 PSIG	-20 °C to 80 °C (High Temp. On Request)
Valve Body	Hydraulic	225 PSIG	150 PSIG	Max. 200 °C
Seat	Hydraulic	150 PSIG	150 PSIG	Max. 200 °C
Seat	Pneumatic	105 PSIG	150 PSIG	Max. 200 °C

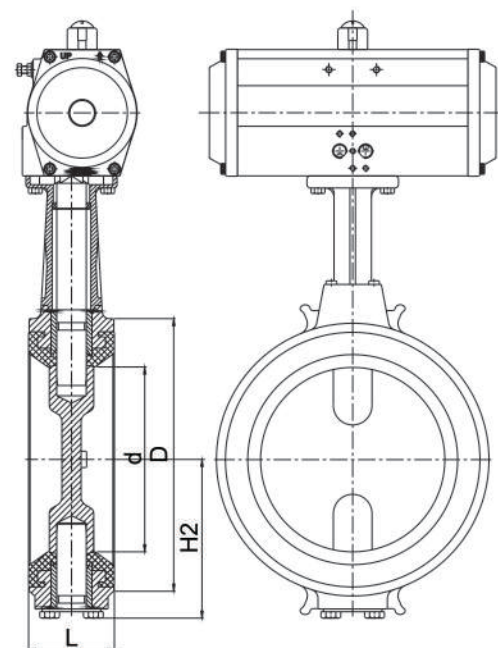
Standard :-

Design and Manufacturer : API 609 category A/BS 5155 / MSS SP - 67 / C - 504
 Valve Face to Face Dimensions : Short Wafer as per ISO 5752 Tab 5 API 609 Category A
 Top Flanged Drilling : ISO 5211 II
 Inspection and Testing : API 598 / BS 6755 / FCI 70 - 2
 Flanged Standard Conformity : ANSI 150, DIN PN 6 / 16

Dimensions :

(All Dimensions are in mm)

Valve Model	Valve Size		d	H2	L	D
	MM	Inch				
A4KITZ - 40	40	1.1/2"	40	60	33	78
A4KITZ - 50	50	2"	50	66	43	93
A4KITZ - 65	65	2.1/2"	65	74	46	118
A4KITZ - 80	80	3"	80	83	46	129
A4KITZ - 100	100	4"	100	94	52	149
A4KITZ - 125	125	5"	125	122	56	184
A4KITZ - 150	150	6"	150	135	56	214
A4KITZ - 200	200	8"	196	161	60	259



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.

Pub. on: January, 2015 (Rev.-01)