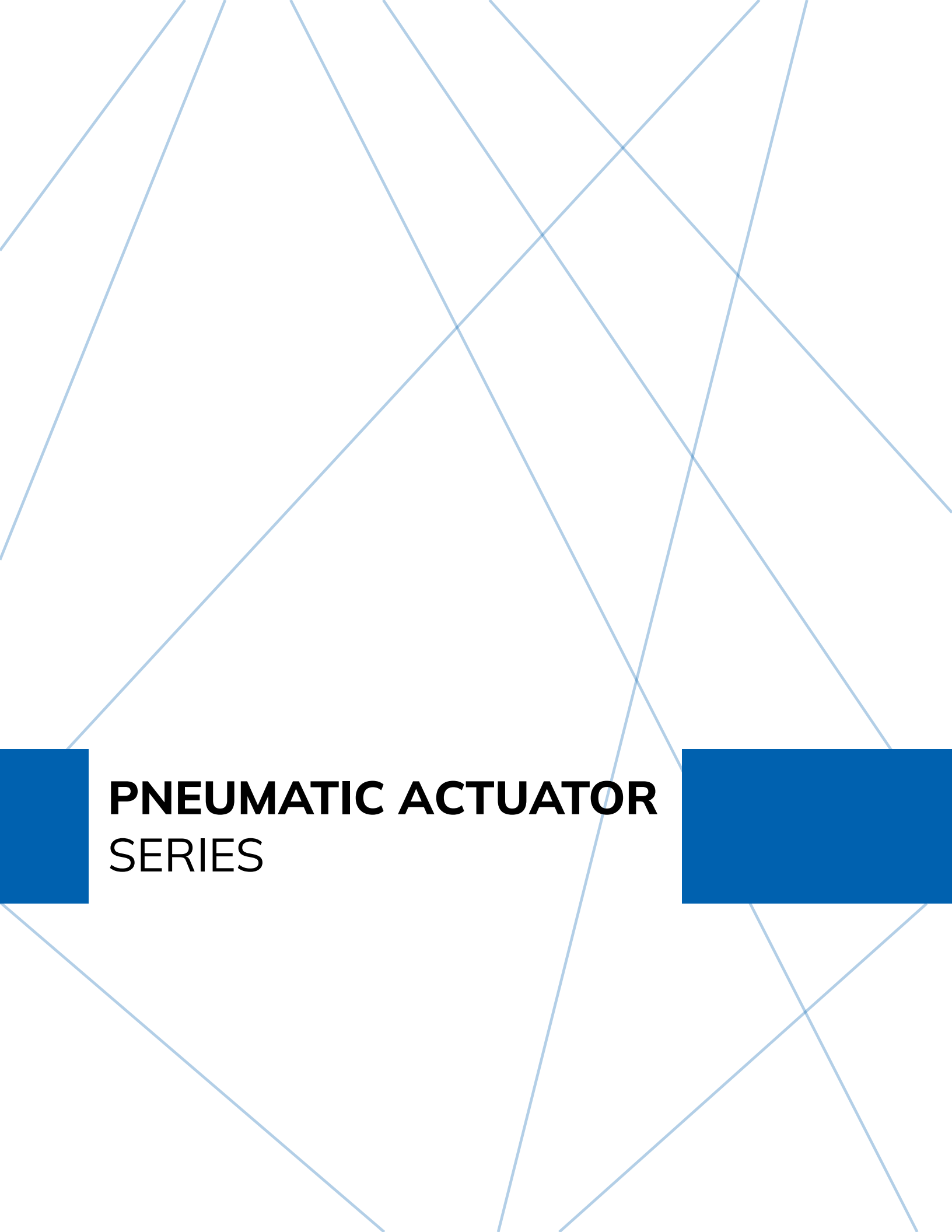
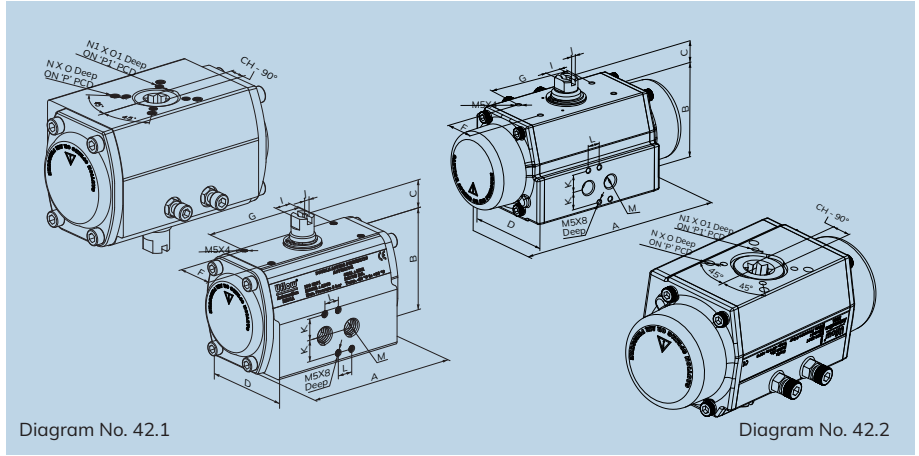




PNEUMATIC ACTUATOR SERIES



Features

Uflow has successfully developed Compact, Patented Aluminium Free Rack & Pinion Pneumatic Rotary Actuator and Consuming Low Volume of Air.

- ✓ Wear proof aluminium free Rack & Pinion design.
- ✓ Low air consumption with maximum torque due to compact design.
- ✓ Providing a hard-anodized body for high corrosion resistance.
- ✓ Smooth travelling stroke for extending the life of ball valve seat.
- ✓ Finer teeth module for smoother operation, and jerk-free sliding.
- ✓ Maintenance free design.
- ✓ Aluminium Extruded, Hard Anodized Body.

Temperature Range

NBR	-20°C to +80°C
Viton	-20°C to +125°C
Flourosilicone	-60°C to +110°C

End Stroke (0° - 90°)

+5° Over travelling possible for opening
-5° Under travelling can be adjusted

Working Pressure

Maximum working pressure 8 bar

Section View



Double Acting

Single Acting

Torque Chart (Double Acting)

TORQUE Nm (10Nm = 1 Kgm)

Model No.	Diagram No.	2 Bar	3 Bar	4 Bar	5 Bar	6 Bar	7 Bar	8 Bar	Piston Outward Stroke, ml/bar
AD32ANBV1	42.1	3	4.6	6	7.6	9	10.50	12	40
AD50ANBV1	42.1	10.8	16	21.5	27	32.5	38	43	137
AD63ANBV1	42.1	20	30	40	50	60	70	80	450
AD80ANBV1	42.1	34.5	51.5	69	86.5	103	120.5	138	280
AD100ANBV1	42.1	73	110	146	183	220	256	293	1040
AD125ANBV1	42.1	127	190	254	317.5	381	444.5	508	1810
AD150ANBV1	42.1	210	316	421	526	631	737	842	3150

Air Consumption Comparison With Other Reputed Brand

Model	Piston Inward Stroke ml / bar	Piston Outward Stroke ml / bar
(Uflow)AD50	128	137
Other Brand Y	260	110
Other Brand X	200	180

Technical Data (All dimensions in mm)

All Dimensions are approx.

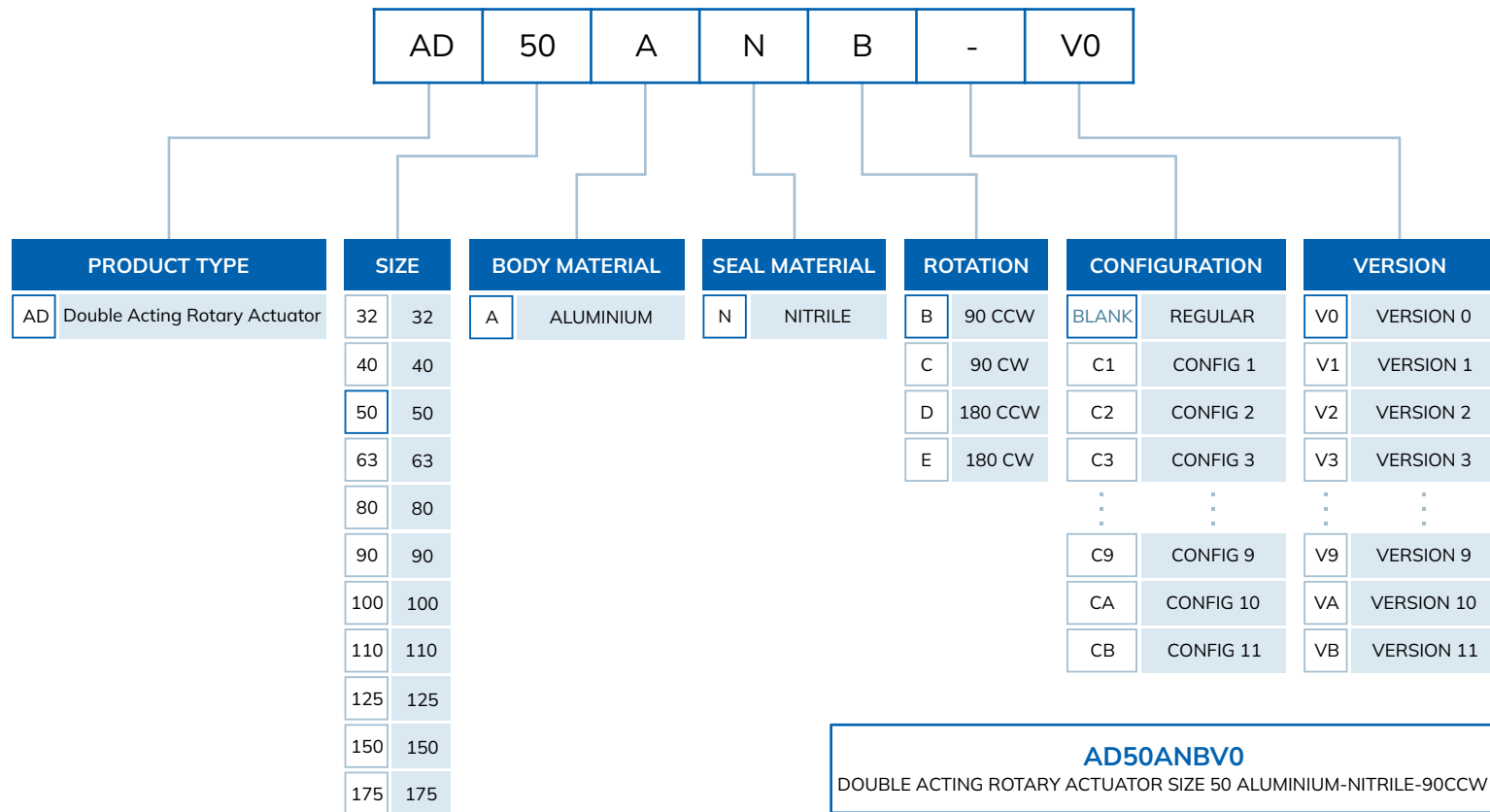
Model No. Double / Single	Diagram No.	A Double / Single	B	C	D	F	G	I	J	K	L	M	N	O	P	N1	O1	P1	CH 90°	ISO FLANGE
AD32ANBV1 / AS32ANB21V1	42.1 / 42.2	92 / 115	48	20	54	30	50	10	4	16	12	1/8"	M5	09	36	-	-	-	09	F03
AD50ANBV1 / AS50ANB02V1	42.1 / 42.2	125 / 162	77	20	72	30	80	13	4	16	12	1/4"	M6	12	50	M5	10	36	11	F03/F05
AD63ANBV1 / AS63ANB02V1	42.1 / 42.2	147 / 203	87	20	86	30	80	15	4	16	12	1/4"	M8	12	70	M6	10	50	14	F05/F07
AD80ANBV1 / AS80ANB201V1	42.1 / 42.2	170 / 233	103	20	98	30	80	18	4	16	12	1/4"	M8	12	70	M6	10	50	17	F05/F07
AD100ANBV1 / AS100ANB6UV1	42.1 / 42.2	221 / 324	129	20	126	30	80	26	4	16	12	1/4"	M10	15	102	M8	14	70	22	F07/F10
AD125ANBV1 / AS125ANB6UV1	42.1 / 42.2	389 / 389	161	20	150	30	80	30	4	16	12	1/4"	M12	20	125	M10	14	102	22	F10/F12
AD150ANBV1 / AS150ANB6UV1	42.1 / 42.2	465 / 465	193	20	175	30	80	35	4	16	12	1/4"	M12	20	125	M10	14	102	27	F10/F12

Torque Chart (Single Acting)

TORQUE Nm (10Nm = 1 Kgcm)

Size	Model No.	Spring Set	Spring Torque		3 Bar		4 Bar		5 Bar		6 Bar		Piston Outward Stroke, ml/bar
			0° (Min)	90° (Max)	90° (Min)	0° (Max)	90° (Min)	0° (Max)	90° (Min)	0° (Max)	90° (Min)	0° (Max)	
32	AS32ANB21V1	21	2	3	2	3	3	4	5	6	6	7	40
	AS32ANB12V1	12	3	5	-	-	1	3	3	5	4	6	
	AS32ANB22V1	22	4	6	-	-	1	2	2	4	3	5	
50	AS50ANB02V1	02	6	13	3	10	9	16	14	21	20	27	137
	AS50ANB21V1	21	8	14	2	8	8	14	13	19	19	25	
	AS50ANB12V1	12	9	16	-	-	6	13	11	18	17	24	
	AS50ANB22V1	22	12	18	-	-	4	10	9	15	15	21	
63	AS63ANB02V1	02	11	22	8	19	18	29	28	39	38	49	280
	AS63ANB21V1	21	15	24	6	15	16	25	26	35	36	45	
	AS63ANB12V1	12	16	29	1	14	11	24	21	34	31	44	
	AS63ANB22V1	22	21	35	-	-	5	19	15	29	25	39	
80	AS80ANB201V1	201	13	23	29	39	46	56	63	73	80	90	450
	AS80ANB211V1	211	19	34	18	33	35	50	52	67	69	84	
	AS80ANB121V1	121	23	40	12	29	29	46	46	63	63	80	
	AS80ANB112V1	112	23	43	9	29	26	46	43	63	60	80	
	AS80ANB212V1	212	26	47	5	26	22	43	39	60	56	77	
	AS80ANB222V1	222	36	61	-	-	8	33	25	50	42	67	
100	AS100ANB6UV1	6U	40	59	51	70	87	106	124	143	161	180	1040
	AS100ANB7U2V1	7U2	51	77	33	59	69	95	106	132	143	169	
	AS100ANB09V1	9	53	81	29	57	65	93	102	130	139	167	
	AS100ANB10UV1	10U	61	96	14	49	50	85	87	122	124	159	
	AS100ANB12V1	12	71	109	-	-	37	75	74	112	111	149	
	AS100ANB14V1	14	83	127	-	-	19	63	56	100	93	137	
125	AS125ANB6UV1	6U	62	99	91	128	155	192	219	256	282	319	1810
	AS125ANB8UV1	8U	81	129	61	109	125	173	188	236	252	300	
	AS125ANB09V1	9	86	137	53	104	117	168	181	231	244	295	
	AS125ANB11V1	11	105	167	23	85	87	149	151	212	214	276	
	AS125ANB12UV1	12U	119	190	-	-	64	135	128	198	191	262	
	AS125ANB13UV1	13U	129	205	-	-	49	125	113	189	176	252	
150	AS150ANB6UV1	6U	105	170	146	211	251	316	356	421	461	526	3150
	AS150ANB8UV1	8U	137	222	94	179	199	284	304	389	409	494	
	AS150ANB09V1	9	144	234	82	172	187	277	294	382	391	487	
	AS150ANB11V1	11	176	285	30	140	135	245	240	350	345	455	
	AS150ANB12UV1	12U	201	326	-	115	95	220	200	325	305	430	
	AS150ANB13UV1	13U	217	352	-	99	69	204	174	309	279	414	

DOUBLE ACTING ROTARY ACTUATOR MODEL IDENTIFICATION CHART



SINGLE ACTING ROTARY ACTUATOR MODEL IDENTIFICATION CHART

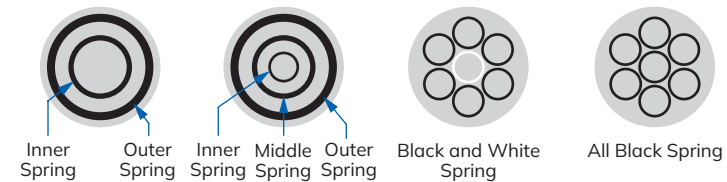
AS 50 A E B 222 - V0																					
PRODUCT TYPE		SIZE		BODY MATERIAL		ROTATION		SPRING SET 32 TO 63			SPRING SET - 80 & 90				SPRING SET 100 TO 150			CONFIGURATION		VERSION	
AS	Single Acting Rotary Actuator	32	32	A	Aluminium	B	90 CCW	CODE	INNER	OUTER	CODE	INNER	MIDDLE	OUTER	CODE	BLACK SPRING	WHITE SPRING	BLANK	REGULAR	V0	VERSION 0
		40	40			C	90 CW	02	0	2	201	2	0	1	12	12	0	C1	CONFIG 1	V1	VERSION 1
		50	50			D	180 CCW	21	2	1	211	2	1	1	6U	6	1	C2	CONFIG 2	V2	VERSION 2
		63	63			E	180 CW	12	1	2	121	1	2	1	8U	8	1	C3	CONFIG 3	V3	VERSION 3
		80	80					22	2	2	112	1	1	2	12U	12	1	⋮	⋮	⋮	⋮
		90	90					⋮	⋮	⋮	212	2	1	2	13U	13	1	C9	CONFIG 9	V9	VERSION 9
		100	100					⋮	⋮	⋮	⋮	⋮	⋮	⋮	11	11	0	CA	CONFIG 10	VA	VERSION 10
		110	110												09	9	0	CB	CONFIG 11	VB	VERSION 11
		125	125												14	14	0				
		150	150												7U2	7	2				
															⋮	⋮	⋮				

SEAL MATERIAL	
N	NITRILE
E	EPDM
V	VITON

(CW) : Clockwise, fail safe open
(CCW) : Counter clockwise, fail safe close

AS50AEB222V0

SINGLE ACTING ROTARY ACTUATOR SIZE 50 WITH SPRING SET 222 ALUMINIUM-EPDM-90CCW



Scribble Note....

A series of horizontal dashed lines for writing.

Our Clients



Global Presence...



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📍 Uflow Automation, Ankur Industrial Complex, Sur vey No: 275/276, Plot No: 31, Nr. Intol Cast Pvt. Ltd. Shapar(Veraval) Dist.: Gujarat (India) - 360 024.