

**SINGLE ACTING ROTARY QUARTER
TURN PNEUMATIC ACTUATOR**

Automation
Simplified...



Solenoid Valve

Angle Seat Valve

Rotary Coupling

Pneumatic Directional Control Valve

Actuator

Cylinder

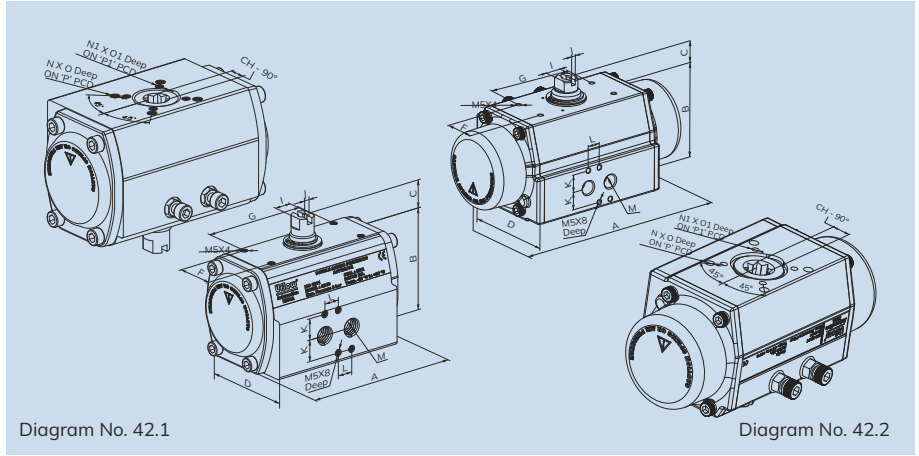
One Touch Fitting

Ball Valve

Butterfly Valve

Country of Origin - INDIA





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.
- ☑ Design Standard : ISO 5211.
- ☑ Approved as per ATEX.

Section View



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

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
AS32ANB02V2	42.2	92 / 115	48	20	54	30	50	10	4	16	12	1/8"	M5	09	36	-	-	-	09	F03
AS40ANB02V2	42.2	124/160	66	20	64	30	80	13	4	16	12	1/4"	M5	12	50	M4	10	36	11	F03/F05
AS50ANB02V2	42.2	131/162	77	20	72	30	80	13	4	16	12	1/4"	M6	12	50	M5	10	36	11	F03/F05
AS63ANB02V2	42.2	147/203	87	20	86	30	80	15	4	16	12	1/4"	M8	12	70	M6	10	50	14	F05/F07
AS80ANB201V2	42.2	170/233	103	20	98	30	80	18	4	16	12	1/4"	M8	12	70	M6	10	50	17	F05/F07
AS90ANB6UV2	42.2	198/277	115	20	110	30	80	22	4	16	12	1/4"	M8	12	70	-	-	-	17	F07
AS100ANB6UV2	42.2	217/302	129	20	126	30	80	26	4	16	12	1/4"	M10	15	102	M8	14	70	22	F07/F10
AS110ANB6UV2	42.2	231/332	136	20	131	30	80	30	4	16	12	1/4"	M10	15	102	M8	14	70	22	F07/F10
AS125ANB6UV2	42.2	263/355	161	20	150	30	80	30	4	16	12	1/4"	M12	20	125	M10	14	102	22	F10/F12
AS150ANB6UV2	42.2	296	188	20	175	30	80	35	4	16	12	1/4"	M12	20	125	M10	14	102	27	F10/F12
AS175ANB6UV2	42.2	500	212	20.5	98	30	80	41	4	16	12	1/4"	M12	20	125	M10	20	102	27	F10/F12
AS200ANB7UV2	42.2	552	255	30	110	30	130	41	4	16	12	1/4"	M16	24	140	M10	15	102	36	F10/F14
AS250ANB7UV2	42.2	723	255	30	126	30	130	41	4	16	12	1/4"	M16	24	140	-	-	-	46	F14
AS300ANB7UV2	42.2	755	360	30	131	30	130	41	4	22.5	20	1/2"	M20	30	165	-	-	-	46	F16
AS350ANB7UV2	42.2	865	360	30	150	30	130	41	4	22.5	20	1/2"	M20	30	165	-	-	-	55	F16

Torque Chart (Single Acting)

TORQUE Nm (10Nm = 1 KgM)

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)	
90	AS90ANB201V2	201	27	41	35	49	61	75	86	100	112	126	768
	AS90ANB211V2	211	34	54	22	42	48	68	73	93	99	119	
	AS90ANB121V2	121	36	58	18	40	44	66	69	91	95	117	
	AS90ANB112V2	112	43	68	8	33	34	59	59	84	85	110	
	AS90ANB212V2	212	49	77	-	27	25	53	50	78	76	104	
	AS90ANB222V2	222	57	90	-	19	12	45	37	70	63	96	
100	AS100ANB6UV2	6U	40	59	51	70	87	106	124	143	161	180	1040
	AS100ANB7U2V2	7U2	51	77	33	59	69	95	106	132	143	169	
	AS100ANB09V2	9	53	81	29	57	65	93	102	130	139	167	
	AS100ANB10UV2	10U	61	96	14	49	50	85	87	122	124	159	
	AS100ANB12V2	12	71	109	-	-	37	75	74	112	111	149	
	AS100ANB14V2	14	83	127	-	-	19	63	56	100	93	137	
110	AS110ANB6UV2	6U	48	75	60	87	105	132	150	177	195	222	1325
	AS110ANB7U2V2	7U2	60	94	41	75	86	120	131	165	176	210	
	AS110ANB09V2	9	66	101	34	69	79	114	124	159	169	204	
	AS110ANB10UV2	10U	78	120	15	57	60	102	105	147	150	192	
	AS110ANB12V2	12	88	135	-	47	45	92	90	137	135	182	
	AS110ANB14V2	14	102	157	-	33	23	78	68	123	113	168	
125	AS125ANB6UV2	6U	62	99	91	128	155	192	219	256	282	319	1810
	AS125ANB8UV2	8U	81	129	61	109	125	173	188	236	252	300	
	AS125ANB09V2	9	86	137	53	104	117	168	181	231	244	295	
	AS125ANB11V2	11	105	167	23	85	87	149	151	212	214	276	
	AS125ANB12UV2	12U	119	190	-	-	64	135	128	198	191	262	
	AS125ANB13UV2	13U	129	205	-	-	49	125	113	189	176	252	
150	AS150ANB6UV2	6U	105	170	146	211	251	316	356	421	461	526	3150
	AS150ANB8UV2	8U	137	222	94	179	199	284	304	389	409	494	
	AS150ANB09V2	9	144	234	82	172	187	277	294	382	391	487	
	AS150ANB11V2	11	176	285	30	140	135	245	240	350	345	455	
	AS150ANB12UV2	12U	201	326	-	115	95	220	200	325	305	430	
	AS150ANB13UV2	13U	217	352	-	99	69	204	174	309	279	414	
175	AS175ANB6UV2	6U	145	238	212	305	362	455	512	605	662	755	4720
	AS175ANB8UV2	8U	190	311	139	260	289	410	439	560	589	710	
	AS175ANB09V2	9	201	330	120	249	270	399	420	549	570	699	
	AS175ANB11V2	11	245	403	47	205	197	355	347	505	497	655	
	AS175ANB12UV2	12U	279	458	-	171	142	321	292	471	442	621	
	AS175ANB13UV2	13U	301	494	-	149	106	299	256	449	406	599	

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TORQUE Nm (10Nm = 1 Kgm)

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)	
200	AS200ANB7UV2	7U	235	425	259	449	487	677	715	905	943	1133	7780
	AS200ANB10V2	10	315	567	117	369	345	597	573	825	801	1053	
	AS200ANB14V2	14	440	794	-	244	118	472	346	700	574	928	
250	AS250ANB7UV2	7U	382	688	423	729	794	1100	1164	1470	1535	1841	12145
	AS250ANB10V2	10	509	919	192	602	563	973	933	1343	1304	1714	
	AS250ANB14V2	14	713	1287	-	398	195	769	565	1139	936	1510	
300	AS300ANB7UV2	7U	692	1055	633	996	1196	1559	1758	2121	2321	2684	19630
	AS300ANB10V2	10	925	1407	281	763	844	1326	1406	1888	1969	2451	
	AS300ANB14V2	14	1295	1970	-	393	281	956	843	1518	1406	2081	
350	AS350ANB7UV2	7U	947	1443	867	1363	1637	2133	2407	2903	3177	3673	26430
	AS350ANB10V2	10	1264	1925	385	1046	1155	1816	1925	2586	2695	3356	
	AS350ANB14V2	14	1769	2695	-	541	385	1311	1155	2081	1925	2851	

Torque Chart (Single Acting)

TORQUE Nm (10Nm = 1 Kgm)

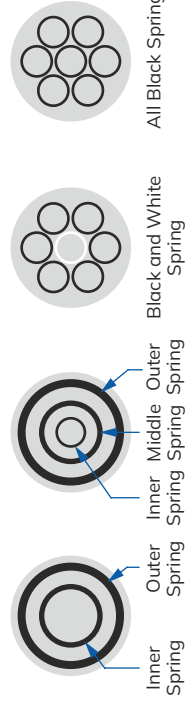
Size	Model No.	Spring Set	Spring Torque		3 Bar		4 Bar		5 Bar		6 Bar		Piston Outward Stroke, ml/bar
			0° (Min)	90° (Max)	90° (Min)	0° (Max)	90° (Min)	0° (Max)	90° (Min)	0° (Max)	90° (Min)	0° (Max)	
32	AS32ANB21V2	21	2	3	2	3	3	4	5	6	6	7	40
	AS32ANB12V2	12	3	5	-	-	1	3	3	5	4	6	
	AS32ANB22V2	22	4	6	-	-	1	2	2	4	3	5	
40	AS40ANB02V2	02	5	8	3	5	6	9	10	12	13	16	104
	AS40ANB21V2	21	5	8	2	5	6	8	9	12	12	15	
	AS40ANB12V2	12	6	10	1	4	4	7	7	11	11	14	
	AS40ANB22V2	22	8	12	-	-	2	6	5	9	9	13	
50	AS50ANB02V2	02	6	13	3	10	9	16	14	21	20	27	137
	AS50ANB21V2	21	8	14	2	8	8	14	13	19	19	25	
	AS50ANB12V2	12	9	16	-	-	6	13	11	18	17	24	
	AS50ANB22V2	22	12	18	-	-	4	10	9	15	15	21	
63	AS63ANB02V2	02	11	22	8	19	18	29	28	39	38	49	280
	AS63ANB21V2	21	15	24	6	15	16	25	26	35	36	45	
	AS63ANB12V2	12	16	29	1	14	11	24	21	34	31	44	
	AS63ANB22V2	22	21	35	-	-	5	19	15	29	25	39	
80	AS80ANB201V2	201	13	23	29	39	46	56	63	73	80	90	450
	AS80ANB211V2	211	19	34	18	33	35	50	52	67	69	84	
	AS80ANB121V2	121	23	40	12	29	29	46	46	63	63	80	
	AS80ANB112V2	112	23	43	9	29	26	46	43	63	60	80	
	AS80ANB212V2	212	26	47	5	26	22	43	39	60	56	77	
	AS80ANB222V2	222	36	61	-	-	8	33	25	50	42	67	

SINGLE ACTING ROTARY ACTUATOR MODEL IDENTIFICATION CHART



PRODUCT TYPE	SIZE	BODY MATERIAL	ROTATION	SPRING SET 32 TO 63			SPRING SET - 80 & 90			SPRING SET 100 TO 350			CONFIGURATION	VERSION
				CODE	INNER	OUTER	CODE	MIDDLE	OUTER	CODE	BLACK SPRING	WHITE SPRING		
AS Single Acting Rotary Actuator	32	A Aluminium	B 90 CCW	02	0	2	201	2	0	1	12	12	0	V0 VERSION 0
	40		C 90 CW	21	2	1	211	2	1	1	6U	6	1	V1 VERSION 1
	50			12	1	2	121	1	2	1	8U	8	1	V2 VERSION 2
	63			22	2	2	112	1	1	2	12U	12	1	V3 VERSION 3
	80			...	...	...	...	...	...	...	...	...	...	...
	90			...	...	...	212	2	1	2	13U	13	1	V9 VERSION 9
	100			...	...	...	222	2	2	2	11	11	0	VA VERSION 10
	110			...	...	...	...	...	...	...	09	9	0	VB VERSION 11
	125			...	...	...	...	...	...	...	14	14	0	
	150			...	...	...	...	...	...	...	7U2	7	2	
	175			...	...	...	...	...	...	...	7U	7	1	
	200			...	...	...	...	...	...	...	10	10	0	
	250			...	...	...	...	...	...	...	...	...	...	...
	300			...	...	...	...	...	...	...	...	...	...	...
	350			...	...	...	...	...	...	...	...	...	...	...

SEAL MATERIAL	
N	NITRILE
V	VITON
C	FLUORO SILICONE



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



AS50ANB22V2
SINGLE ACTING ACTUATOR SIZE 50 ALUMINIUM-NITRILE-90 CCW-WITH SPRING SET NO 22-VERSION 2

Note: The above chart is for identification purposes only, and it may not be possible to make all combinations for the above chart.



Global Presence...




Made In India



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