

# DOUBLE 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

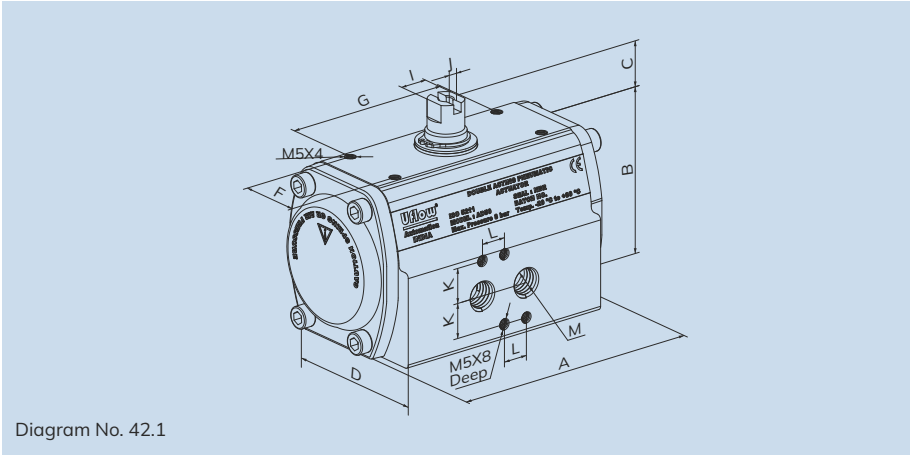


Diagram No. 42.1

## 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.

Temperature Range		End Stroke (0° - 90°)
NBR	-20°C to +80°C	+5° Over travelling possible for opening
Viton	-20°C to +125°C	-5° Under travelling can be adjusted
Flourosilicone	-60°C to +110°C	

Working Pressure
Maximum working pressure 8 bar

## Section View



Double Acting

## Technical Data (All dimensions in mm)

All Dimensions are approx.

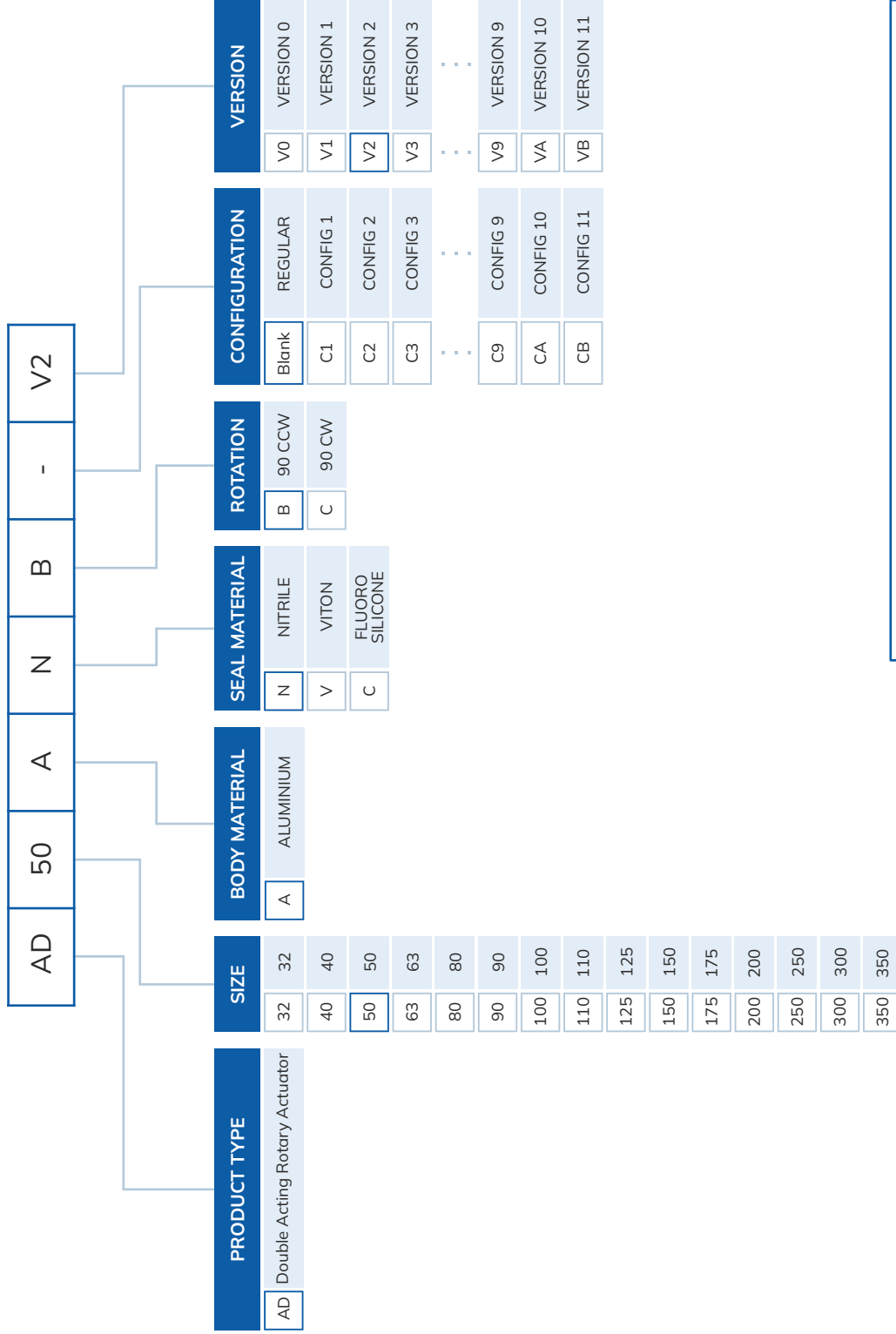
Model No. Double / Single	Diagram No.	A Double / Single	B	C	D	F	G	I	J	K	L	M	N	O	P	N1	O1	P1	CH 90°	ISO FLANGE
AD32ANBV2	42.1	92	48	20	54	30	50	10	4	16	12	1/8"	M5	09	36	-	-	-	09	F03
AD40ANBV2	42.1	124	66	20	64	30	80	13	4	16	12	1/4"	M5	12	50	M4	10	36	11	F03/F05
AD50ANBV2	42.1	131	77	20	72	30	80	13	4	16	12	1/4"	M6	12	50	M5	10	36	11	F03/F05
AD63ANBV2	42.1	147	87	20	86	30	80	15	4	16	12	1/4"	M8	12	70	M6	10	50	14	F05/F07
AD80ANBV2	42.1	170	103	20	98	30	80	18	4	16	12	1/4"	M8	12	70	M6	10	50	17	F05/F07
AD90ANBV2	42.1	198	115	20	110	30	80	22	4	16	12	1/4"	M8	12	70	-	-	-	17	F07
AD100ANBV2	42.1	217	129	20	126	30	80	26	4	16	12	1/4"	M10	15	102	M8	14	70	22	F07/F10
AD110ANBV2	42.1	231	136	20	131	30	80	30	4	16	12	1/4"	M10	15	102	M8	14	70	22	F07/F10
AD125ANBV2	42.1	263	161	20	150	30	80	30	4	16	12	1/4"	M12	20	125	M10	14	102	22	F10/F12
AD150ANBV2	42.1	296	188	20	175	30	80	35	4	16	12	1/4"	M12	20	125	M10	14	102	27	F10/F12
AD175ANBV2	42.1	500	212	20.5	98	30	80	41	4	16	12	1/4"	M12	20	125	M10	20	102	27	F10/F12
AD200ANBV2	42.1	552	255	30	110	30	130	41	4	16	12	1/4"	M16	24	140	M10	15	102	36	F10/F14
AD250ANBV2	42.1	723	255	30	126	30	130	41	4	16	12	1/4"	M16	24	140	-	-	-	46	F14
AD300ANBV2	42.1	755	360	30	131	30	130	41	4	22.5	20	1/2"	M20	30	165	-	-	-	46	F16
AD350ANBV2	42.1	865	360	30	150	30	130	41	4	22.5	20	1/2"	M20	30	165	-	-	-	55	F16

## 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 Inward Stroke, ml/bar	Piston Outward Stroke, ml/bar
AD32ANBV2	42.1	3	5	6	8	9	11	12	36	40
AD40ANBV2	42.1	7	10	14	17	21	24	28	83	104
AD50ANBV2	42.1	11	16	22	27	32.5	38	43	128	137
AD63ANBV2	42.1	20	30	40	50	60	70	80	210	280
AD80ANBV2	42.1	35	52	69	87	103	121	138	360	450
AD90ANBV2	42.1	51	76	102	127	153	178	204	522	768
AD100ANBV2	42.1	73	110	146	183	220	256	293	780	1040
AD110ANBV2	42.1	90	135	180	225	270	315	360	966	1325
AD125ANBV2	42.1	127	190	254	318	381	446	508	2800	1810
AD150ANBV2	42.1	210	316	421	526	631	737	842	5390	3150
AD175ANBV2	42.1	300	450	600	750	900	1050	1200	7525	4720
AD200ANBV2	42.1	456	684	912	1140	1368	1596	1824	11980	7780
AD250ANBV2	42.1	741	1111	1482	1852	2223	2593	2964	14870	12145
AD300ANBV2	42.1	1125	1688	2251	2813	3376	3939	4502	37175	19630
AD350ANBV2	42.1	1540	2310	3080	3850	4620	5390	6160	40535	26430

# DOUBLE ACTING ROTARY ACTUATOR MODEL IDENTIFICATION CHART



**AD50ANBV2**  
DOUBLE ACTING ACTUATOR SIZE 50 ALUMINIUM-NITRILE-90 CCW-VERSION 2

# Global Presence...




Made In India



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