

Automation
Simplified...



Solenoid Valve

Angle Seat Valve

Rotary Coupling

Pneumatic Directional Control Valve

Actuator

Cylinder

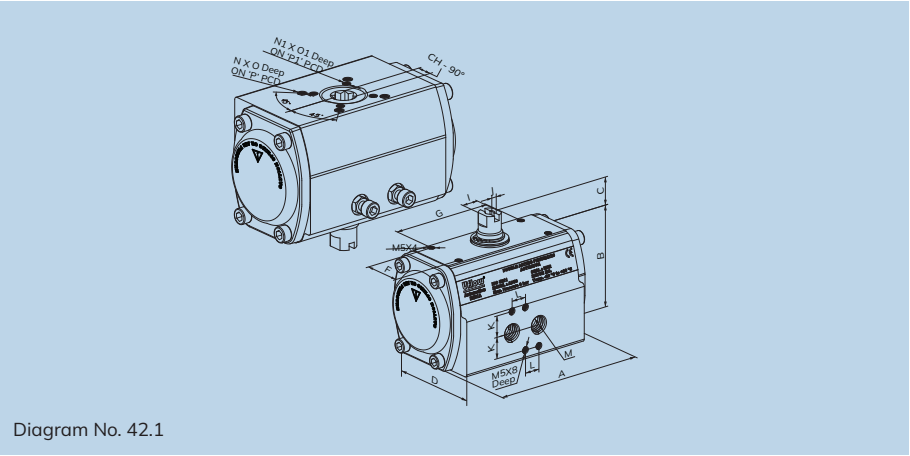
One Touch Fitting

Ball Valve

Butterfly Valve

Country of Origin - INDIA

Rotary Quarter Turn Pneumatic Actuator - AD



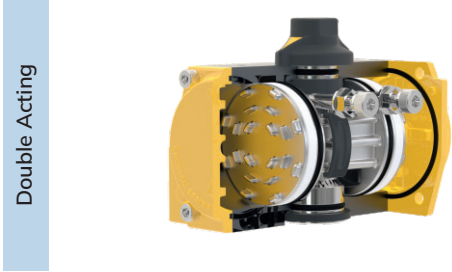
Features

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



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.

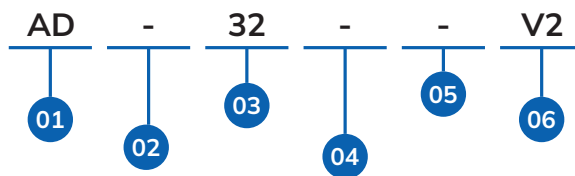
Model No. Double / Single	Diagram No.	A Double / Single	B	C	D	F	G	I	J	K	L	M	N	O	P	N1	O1	P1	CH 90°	ISO FLANGE
AD-32V2	42.1	92	48	20	54	30	50	10	4	16	12	1/8"	M5	09	36	-	-	-	09	F03
AD-40V2	42.1	129	66	20	64	30	80	13	4	16	12	1/4"	M6	12	50	M5	10	36	11	F03
AD-50V2	42.1	125	77	20	72	30	80	13	4	16	12	1/4"	M6	12	50	M5	10	36	11	F03
AD-63V2	42.1	147	87	20	86	30	80	15	4	16	12	1/4"	M8	12	70	M6	10	50	14	F05
AD-80V2	42.1	170	103	20	98	30	80	18	4	16	12	1/4"	M8	12	70	M6	10	50	17	F05
AD-90V2	42.1	198	115	20	110	30	80	22	4	16	12	1/4"	M8	12	70	-	-	-	17	F07
AD-100V2	42.1	220	129	20	127	30	80	26	4	16	12	1/4"	M10	15	102	M8	14	70	22	F07
AD-110V2	42.1	231	136	20	131	30	80	30	4	16	12	1/4"	M10	15	102	M8	14	70	22	F07
AD-125V2	42.1	389	161	20	146	30	80	30	4	16	12	1/4"	M12	20	125	M10	14	102	22	F10
AD-150V2	42.1	465	193	20	176	30	80	36	4	16	12	1/4"	M12	20	125	M10	14	102	27	F10
AD-175V2	42.1	500	212	20.5	195	30	80	41	4	16	12	1/4"	M12	20	125	M10	20	102	27	F10
AD-200V2	42.1	552	255	30	288	30	130	41	4	16	12	1/4"	M16	24	140	M10	15	102	36	F10
AD-250V2	42.1	723	255	30	288	30	130	41	4	16	12	1/4"	M16	24	140	-	-	-	46	F14
AD-300V2	42.1	755	360	30	390	30	130	41	4	22.5	20	1/2"	M20	30	165	-	-	-	46	F16
AD-350V2	42.1	865	360	30	390	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
AD-32V2	42.1	3	5	6	8	9	11	12	36	40
AD-40V2	42.1	7	10	14	17	21	24	28	83	104
AD-50V2	42.1	11	16	22	27	32.5	38	43	128	137
AD-63V2	42.1	20	30	40	50	60	70	80	210	280
AD-80V2	42.1	35	52	69	87	103	121	138	360	450
AD-90V2	42.1	51	76	102	127	153	178	204	522	768
AD-100V2	42.1	73	110	146	183	220	256	293	780	1040
AD-110V2	42.1	90	135	180	225	270	315	360	966	1325
AD-125V2	42.1	127	190	254	318	381	446	508	2800	1810
AD-150V2	42.1	210	316	421	526	631	737	842	5390	3150
AD-175V2	42.1	300	450	600	750	900	1050	1200	7525	4720
AD-200V2	42.1	456	684	912	1140	1368	1596	1824	11980	7780
AD-250V2	42.1	741	1111	1482	1852	2223	2593	2964	14870	12145
AD-300V2	42.1	1125	1688	2251	2813	3376	3939	4502	37175	19630
AD-350V2	42.1	1540	2310	3080	3850	4620	5390	6160	40535	26430

AD - SERIES DOUBLE ACTING ROTARY ACTUATOR MODEL CHART



01	SERIES
-	AD

02	PRODUCT TYPE
-	Double Acting Actuator

03	BORE Ø (mm)
032	32
040	40
050	50
063	63
080	80
100	100
125	125
150	150
175	175
200	200
250	250
300	300
350	350

04	ROTATION
-	90 CCW
C	90 CW

05	CONFIGURATION
-	REGULAR
C1	CONFIG 1
C2	CONFIG 2
C3	CONFIG 3
⋮	⋮
C9	CONFIG 9
CA	CONFIG 10
CB	CONFIG 11

06	VERSION
-	VERSION 0
V1	VERSION 1
V2	VERSION 2
V3	VERSION 3
⋮	⋮
V9	VERSION 9
VA	VERSION 10
VB	VERSION 11