

AD SERIES

ROTARY ACTUATOR / DOUBLE ACTING

Ball Valve, Butterfly Valve, Plug Valve, Damper Control



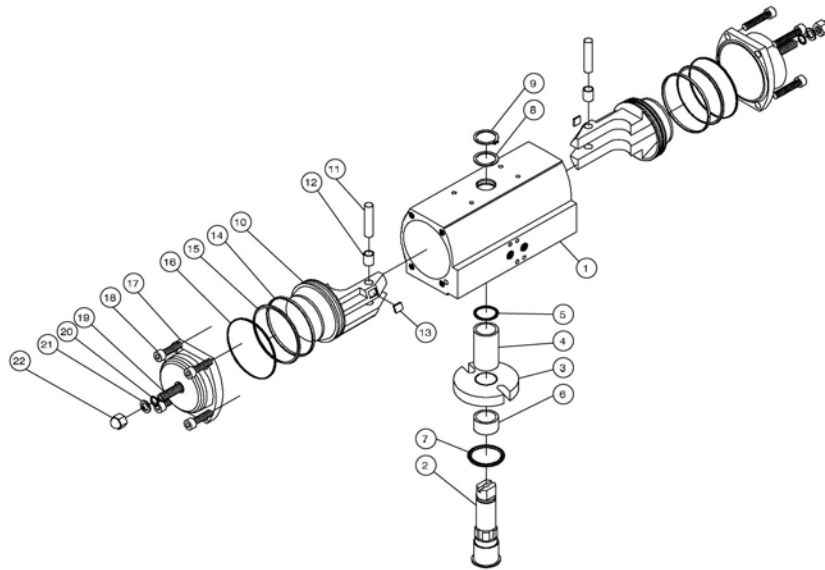
● Features

- Scotch - Yoke type
- No metal to metal touch
- I S O 5211, D I N 3337
- Anodized surface & double coated interior

● Specification

Item	AD32	AD40	AD50	AD65	AD80	AD100	AD125	AD140	AD160	AD200	AD200D
Operating Type	R&P		Scotch - Yoke								Piston
Operating Media	Compressed Dry Air										
Operating Pressure	4 ~ 7kg/cm ²										
Rotating Angle	90° ±3°										
Operating Temperature	-10 ~ 60℃										
Weight (kg)	0.25	0.7	1.5	2.5	4	7	11	18	25	44.5	92

● Part and Material



No.	Part Name	Materials	No.	Part Name	Materials
1	Body	Aluminum Alloy	12	Guide Bushing	Polyphithalamide
2	Drive Shaft	Steel Alloy (Nickel plated)	13	Dynamic Pad	Polyphithalamide
3	Crank	Steel Alloy (Nickel plated)	14	Piston Guide	Polyphithalamide
4	Bushing	Acetyl	15	O-ring (Guide)	NBR
5	O-Ring	NBR	16	O-ring (Cover)	NBR
6	Bushing	Acetyl	17	Cover	Aluminum Alloy
7	Washer	Polyphithalamide	18	Bolt	SCM435 Plating
8	Washer	Polyphithalamide	19	Adjust Bolt	Stainless Steel
9	C-Ring	Stainless Steel	20	Adjust O-ring	NBR
10	Piston	Aluminum Alloy	21	Adjust Washer	Stainless Steel
11	Piston Pen	Steel Alloy (Nickel plated)	22	Adjust Nut	Stainless Steel

ROTARY ACTUATOR / DOUBLE ACTING

Model	Angle	4bar	5bar	6bar	Model	Angle	4bar	5bar	6bar
AD32	0°	7.0	9.0	11.0	AD125	0°	551	678	794
	45°	24.0	30.0	36.0		45°	360	443	531
	90°	85.0	107.0	127.0		90°	491	613	732
AD40	0°	8	10	11	AD140	0°	754	923	1097
	45°	8	10	11		45°	455	582	668
	90°	8	10	11		90°	720	880	970
AD50	0°	28	37	41	AD160	0°	1062	1312	1600
	45°	21	26	30		45°	758	949	1133
	90°	38	40	52		90°	1320	1635	2027
AD65	0°	78	95	116	AD200	0°	2600	3200	4820
	45°	49	63	73		45°	1500	1950	2400
	90°	71	93	107		90°	2300	2900	3450
AD80	0°	143	183	210	AD200D	0°	4680	5760	6876
	45°	92	121	144		45°	2700	3510	4320
	90°	133	156	209		90°	4140	5220	6210
AD100	0°	247	292	368					
	45°	165	196	250					
	90°	237	301	363					

Technical drawing of the AUTOMA 1000 valve, showing front, side, and bottom views with dimensions and labels.

Front View: Shows the valve body with a central circular port labeled "Detail A" and a "T-Connection". The body is labeled "AUTOMA". Dimensions include a top flange width of 4, a central port diameter of 20, and a body diameter of 24. Four M5 mounting holes are indicated.

Side View: Shows the valve body with a central circular port labeled "Detail B". Dimensions include a total height of T1, a body height of H, and a port height of H1.

Bottom View: Shows the valve body with a central circular port labeled "Detail B". Dimensions include a total width of 80/120, a body width of 20, and a port width of 24. Four M5 DP15 mounting holes are indicated. The central port is labeled "M6 DP15".

Bottom View ISO 5211: Shows the valve body with a central circular port labeled "Detail B". Dimensions include a total width of 80/120, a body width of 20, and a port width of 24. Four M5 DP15 mounting holes are indicated. The central port is labeled "M6 DP15".

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