

Performance Feature

1. Indicator

The indicator conforms to the VID/VIE3845 NAMUR standard, which is convenient for installing limit switch, positioner and other accessories.

2. Shaft

The design of the one-body forging and pressing output shaft of nickel-plated alloy steel is in accordance with NAMUR, ISO5211 and DIN3337 standard. Special standards can be customized according to the customer.

3. Cylinder Block

It is made of high quality aluminum alloy extrusion, the surface is coated with hard anodic oxidation and teflon coating.

4. End Cover

Aluminum alloy die casting, surface with anodic hardening treatment and metal polyester coating.

5. Piston

Cast aluminum with hard oxidation.

6. Adjustment Bolt

Two independent adjustment bolts realizes accurate adjustment within $\pm 5^\circ$ of the angle of the valve opening and closing

7. Piston Ring

Use low friction and long life composite material, convenient repair and replace.

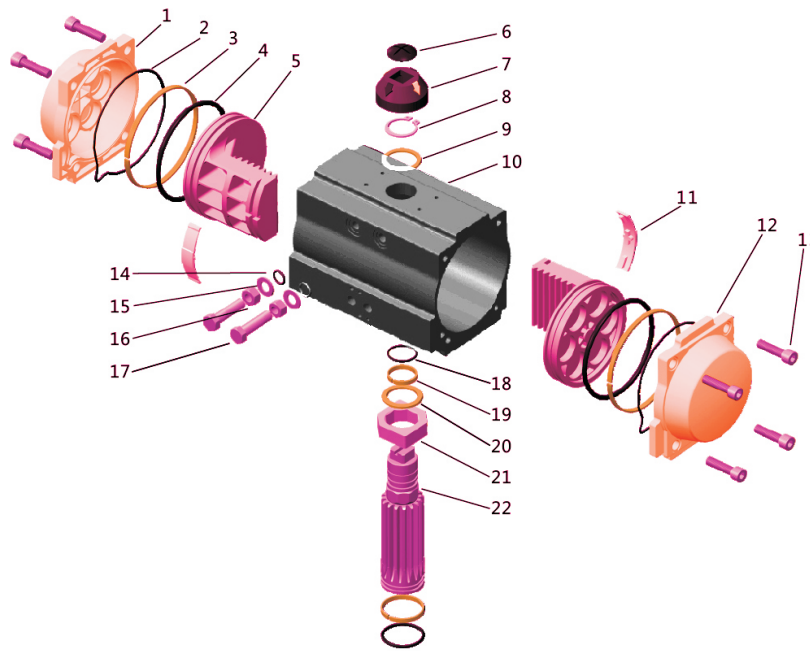
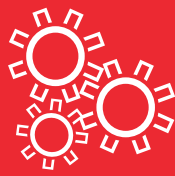
8. Seal

Use nitrile rubber under normal temperature, special seal is available according to the customer's requirement for high temperature and low temperature

9. Air Connection

It complies with NAMUR standard and can be directly mounted with NAMUR standard solenoid valve.

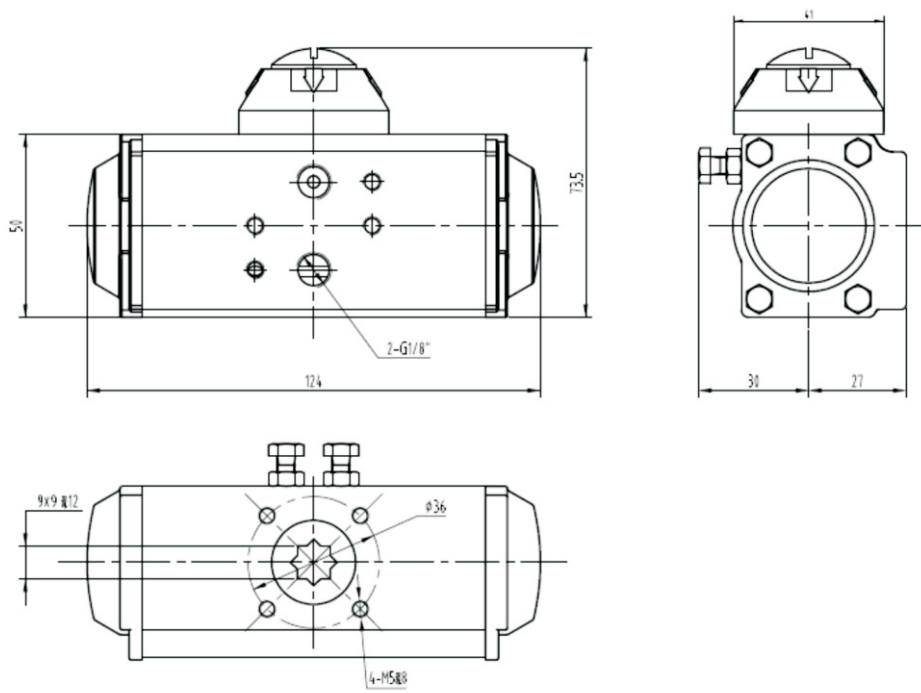
10. All fasteners are made of stainless steel.



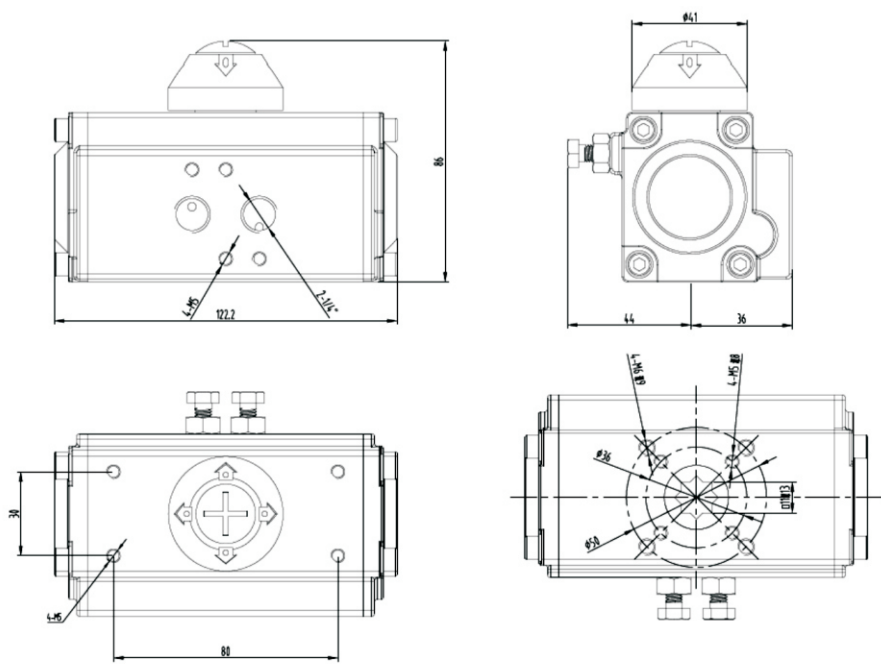
Components Material

No.	Name	Qty for each Unit	Standard Material	Material Selectable
1	Left Cover	1	Aluminum Die Casting	
2	O Ring (cover)	2	NBR	FPM Q
3	Piston ring	2	POM	
4	O Ring (piston)	2	NBR	FPM Q
5	Piston	2	Aluminum Die Casting	
6	Bolt	1	ABS	
7	Main Body of the Indicator	1	ABS	
8	Shaft Ring	1	Stainless Steel	
9	Gasket	1	POM	
10	Block	1	Aluminum Extrusion	
11	Guide Ring	2	PA66	
12	Right Cover	1	Aluminum Die Casting	
13	End Cover Bolt	8	Stainless Steel	FPM Q
14	O Ring (adjusting bolt)	2	NBR	
15	Gasket	2	Stainless Steel	
16	Nut	2	Stainless Steel	
17	Adjustment Bolt	2	Stainless Steel	
18	O Ring (at the top of the shaft)	1	NBR	FPM Q
19	Bearing (at the top of the shaft)	1	POM	
20	Gasket	1	POM	
21	Adjustment Cam	1	Carbonsteel	
22	Output Shaft	1	Carbonsteel	
23	Bearing (output shaft bottom)	1	POM	
24	O Ring (output shaft bottom)	1	NBR	FPM Q

ACT032D

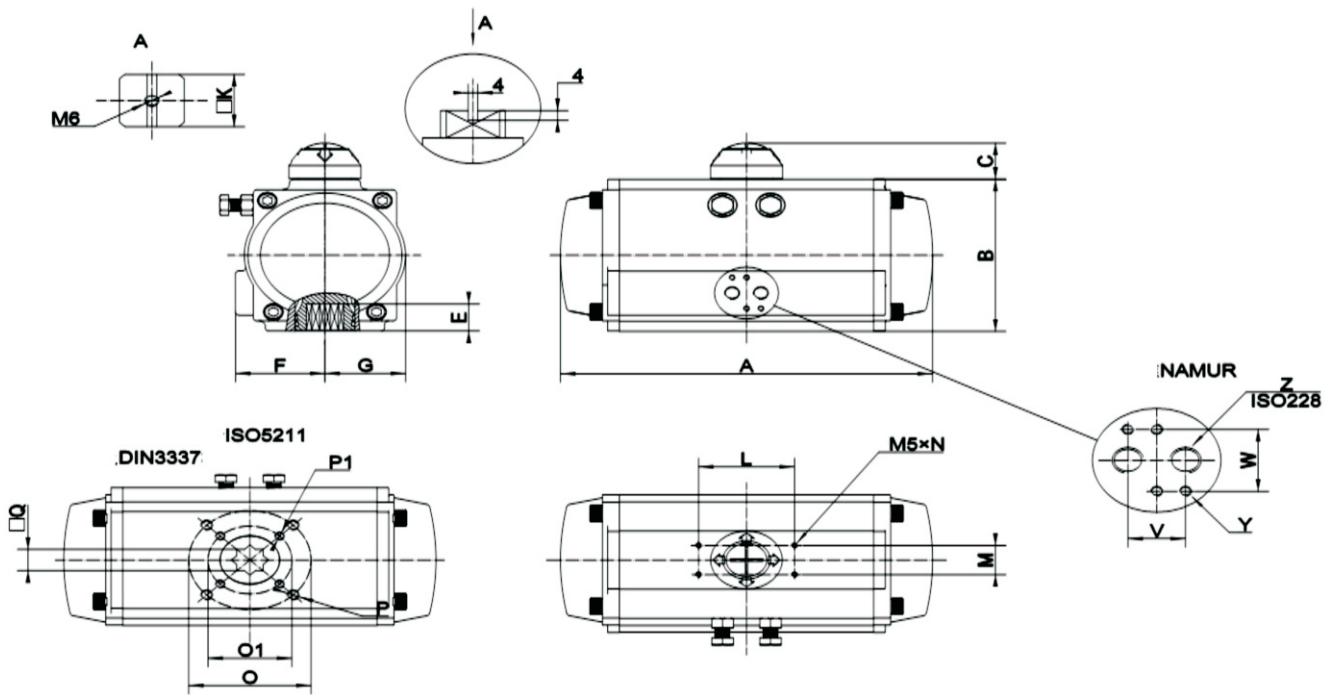


ACT042D



Output Torque

Actuator Model	2.0Bar	2.5Bar	3.0Bar	4.0Bar	4.5Bar	5.0Bar	5.5Bar	6.0Bar	7.0Bar	8.0Bar
ACT032D	3	4	5	6	7	8	8	9	11	12
ACT042D	5	6	7	10	11	12	13	14	17	19



Double Acting Output Torque (Nm)

Actuator Model	2.0Bar	2.5Bar	3.0Bar	4.0Bar	4.5Bar	5.0bar	5.5bar	6.0bar	7.0bar	8.0bar
ACT052D	8	10	12	16	18	20	22	24	28	32
ACT063D	15	18	22	29	33	36	40	44	51	58
ACT075D	20	25	30	40	45	50	55	60	70	80
ACT083D	31	39	47	63	70	78	86	94	111	125
ACT092D	45	56	68	90	102	113	124	135	158	181
ACT105D	66	83	99	132	149	165	182	198	231	264
ACT125D	100	125	150	200	226	251	276	301	351	401
ACT140D	171	214	256	342	385	427	470	513	598	684
ACT160D	266	332	399	532	598	665	731	798	931	1064
ACT190D	420	532	638	851	958	1064	1170	1277	1490	1702
ACT210D	532	665	798	1064	1197	1330	1463	1596	1862	2128
ACT240D	769	962	1154	1539	1731	1924	2116	2308	2693	3078
ACT270D	1170	1462	1750	2339	2632	2924	3216	3509	4094	4679
ACT300D	1526	1908	2289	3052	3434	3815	4197	4578	5341	6104
ACT350D	2285	2856	3427	4570	5141	5712	6283	6854	7997	9139
ACT400D	3256	4070	4884	6512	7326	8140	8954	9768	11396	13024

Dimensions and Connection(mm)

Model	ACT052	ACT063	ACT075	ACT083	ACT092	ACT105	ACT125	ACT140	ACT160	ACT190	ACT210	ACT240	ACT270	ACT300	ACT350	ACT400
ISO flange	F03/F05	F05/F07	F05/F07	F05/F07	F07/F10	F07/F10	F07/F10	F10/F12	F10/F12	F14	F14	F16	F16	F16	F16/F25	F16/F25
A	154	176	188	211	244	277	310	394	458	523	526	602	718	760	920	940
B	73	89	101	110	118	135	157	175	198	232	257	289	326	350	410	466
C	25	25	25	25	25	25	39	39	39	39	39	30	30	30	30	30
E	13	17	17	20	20	25	27	30	30	38	38	50	50	50	50	50
F	41	47	53	57	60	64	75	75	86	103	113	130	147	174	195	260
G	30	36	43	47	50	58	67	75	86	103	113	130	147	162	190	260
L	80	80	80	80	80	80	80	130	130	130	130	130	130	130	130	130
M	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
N	4-M5x9	4-M5x9	4-M5x9	4-M5x9	4-M5x9	4-M5x9	4-M5x9	4-M5x9	4-M5x9	4-M5x9	4-M5x9	4-M5x9	4-M5x9	4-M5x9	4-M5x9	4-M5x9
O	50	70	70	70	102	102	102	125	125	140	140	165	165	165	254	254
P	4-M6x9	4-M8x12	4-M8x12	4-M8x12	4-M10x15	4-M10x15	4-M10x15	4-M12x18	4-M12x18	4-M16x24	4-M16x24	4-M20x25	4-M2Qx25	4-M20x25	8-M16x25	8-M16x25
O1	36	50	50	50	70	70	70	102	102	—	—	—	—	—	165	165
PI	4-M5x8	4-M6x9	4-M6x9	4-M6x9	4-M8x12	4-M8x12	4-M8x12	4-M10x15	4-M10x15	—	—	—	—	—	4-M20x25	4-M20x25
Q	11	14	14	17	17	22	22	27	27	36	36	46	46	46	46	46
V	24	24	24	24	24	24	24	24	24	24	24	24	40	40	40	40
W	36	36	36	36	36	36	36	36	36	36	36	36	45	45	45	45
Y	4-M5x9	4-M5x9	4-M5x9	4-M5x9	4-M5x9	4-M5x9	4-M5x9	4-M5x9	4-M5x9	4-M5x9	4-M5x9	4-M5x9	4-M5x9	4-M6x10	4-M6x10	4-M6x10
Z	G1/4'	G1/4'	G1/4'	G1/4'	G1/4'	G1/4'	G1/4'	G1/4'	G1/4'	G1/4'	G1/4'	G1/4'	G1/4'	G1/2'	G1/2'	G1/2'