

Introduction

- 1. The valve with more and more tightly sealed off function, a reliable sealing performance.
- 2. Sealing material selection matching stainless steel and nitrile rubber oil, long service life.
- PTFE sealing to pull on the body, can also be located dish plate, applicable to different characteristics of the medium for users to choose.
- 4. dish plate with frame structure, high strength, flow area, flow resistance.



Pneumatic Actuator

ON/OFF Type	Feedback: the Active Contact Signal, Passive Contact Signal, Resistance, 4-20mA
Regulation Type	Input & Output Signal: DC 4-20mA, DC 0-10V, DC 1-5V
Field Operation	The Field, Remote Control Switch Regulation and MODBUS, PROFIBUS Field Bus
Voltage Optional	AC110–240V 380V 50/60Hz; DC12V, DC24V, Special Voltage Can be Customized
Protection Class	Ip65; Explosion Proof Construption Are Acailable: EX d II BT4

Technical Parameters

	Valve Body	Valve Components				
Size Range	DN50-DN500	Body Material	SS, CI, Ductile Iron, WCB			
Operating Pressure	1.0MPa, 1.6MPa	Disc Material	SS, CI, Ductile Iron, WCB			
End Connection	Wafer, Flange	Sealing Material	NBR, EPDM, VITON, PTFE			
Structure	Midline Structure A Type	Applicable Media	Control of Water, Air, Gas, Oil, Liquid, Steam			

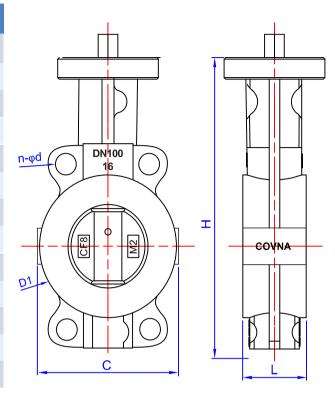
Product Weight

N.W.(kg)	DN50	DN65	DN80	DN100	DN125	DN150	DN200	DN250	DN300
Actuator									
Valve Body									



Qutine Size drawing

MODEL	D1	n-φd	L	H1	С
DN50	125	4 –∅19	43	212	130
DN65	145	4–∅19	46	230	150
DN80	160	8 – Ø19	46	233	164
DN100	180	8 – Ø19	52	270	188
DN125	210	8 – Ø19	56	298	220
DN150	240	8 – Ø23	56	337	252
DN200	295	8 – Ø23	60	407	305
DN250	355	12-Ø23	68	481	370
DN300	410	12-Ø23	78	555	430
DN350	470	16 – Ø23	78	610	470
DN400	525	16 – Ø23	102	715	565
DN450	585	20-Ø23	114	778	620
DN500	650	20-Ø23	127	870	695



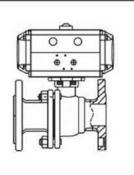
Installation Instruction

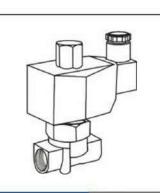
- 1. Before installing the valve, clean the line of dirt, scale, welding chips, and other foreign material. Clean gasket surfaces thoroughly to insure leak-proof joints.
- 2. Verify that the valve breakaway torque is less than the rated output torque of the actuator.
- 3. Any mechanical stops that would interfere with the operation of the actuator must be removed before installation of the actuator, i.e. lever, travel stops, etc.
- 4. The actuator output coupling must be centered with the valve stem to prevent side loading, which causes premature stem packing wear.
- 5. To use the manual override feature (identified on cover label), the override shaft must be pressed down firmly at least 1/4" in order to disengage the motor from the gears. The manual override is not designed to overcome torque in excess of the rated torque of the actuator. Serious damage to the gear system may result from excessive turning force on the manual override.
- 6. This Series actuator may be mounted in any position, i.e. horizontal, upside down. If the conduit entrance points upward, conduit piping must be oriented as to prevent condensation from entering the actuator from the conduit pipe.
- 7. Check flow direction to be sure valve is installed correctly. Fail-closed valves should be installed with the shaft upstream only in gas service. It's preferred that liquid service valves be installed with the shaft downstream regardless of air failure action. However, under certain flow conditions the valve can flow shaft upstream. Consult the factory if the valve must be mounted with the shaft upstream in liquid service. Fail-open valves should be installed with the shaft downstream.
- 8. Fully close the valve before and during the installation process. Keep hands, hair, clothing, etc. away from the rotating disc and the seat when operating the valve. Failure to do so could cause serious injury.
- 9. Make sure proper clearance exists internally in the mating piping to permit proper disc rotation.

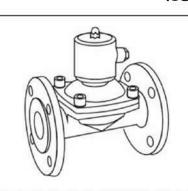


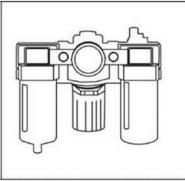
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OPERATING MANUAL





Introduction

Fluorine lined butterfly valve is in the conventional butterfly valve and valve plate lined with teflon, so that the media and valve body isolation, antiseptic effect. The valve has more and more close closure function, sealing performance is reliable. Applicable to any concentration of acid, alkali, salt and oxidative extrusion, reducing agent, organic solvents and other media.

Pneumatic Actuator

Double acting	Air to open, air to close, air supply failure to keep the current position
Single Acting N/C	Air to open, interrupt air to close, air failure to close
Single Acting N/O	Air to close, interrupt air to open, air failure to open
Optional accessory	Reversing solenoid valve, limit switch box, air filter reducing valve, positioner, handle manual, lock up valve



Technical Parameters

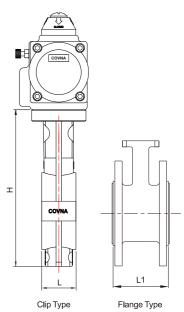
	Body	Valve components				
Size Range	DN50-DN600	Seating Material	PTFE			
Body material	SS, CI, Ductile Iron, WCB	Disc Material	Stainless Steel			
End Connection	Wafer Flange	Stem Material	Stainless Steel			
Operating Pressure	<1.6MPa	Applicable media	Control of Water, Air, Gas, Oil, Liquid, Steam			
Structure	Midline Structure / A-type	Applicable Hedia				

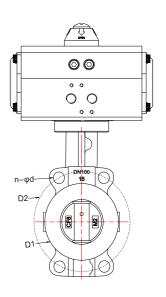


Quille	SIZE U	ııawııı	9								U	NII: mm
MEDLE	DN50	DN65	DN80	DN100	DN125	DN150	DN200	DN250	DN300	DN350	DN400	DN500
Inch	2"	2-1/2"	3"	4"	5"	6"	8"	10"	12"	14"	16"	20"
D	50	65	80	100	125	150	200	250	300	350	400	500
D1	96	104	127	153	180	206	270	320	368	428	482	605
D2	125	145	160	180	210	240	295	355	410	470	525	585
L	43	46	46	52	56	56	60	68	78	78	102	127
L1	108	112	114	127	140	140	152	165	178	190	216	229
Н	212	230	233	270	298	337	407	480	555	610	715	870
n–φd	4-ф18	4-ф18	8-ф18	8-ф18	8-ф18	8-Ф23	8-Ф23	12- 0 23	12- 	16-ф23	16-ф25	20-ф25
Actuator	AT52	AT52	AT63	AT75	AT83	AT92	AT115	A125	AT140			

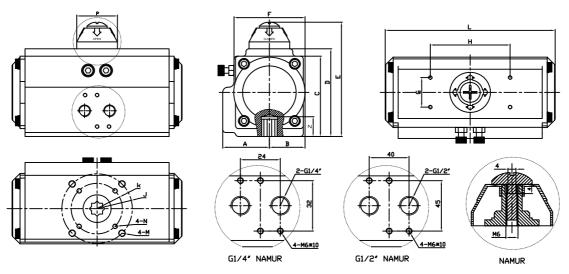
Maintenance

- Tightening the seal between the valve and the actuator:
 Remove the four bolts underneath the actuator. Separate the actuator from the valve.
 Tighten the nut on the top of the valve body.
- Place the actuator back on the valve and screw everything back into place.
- Tightening the seals between the valve and the inlet/outlet ports:
 Remove the torque bolts and check for any debris or damage to the gaskets.
 Use a torque wrench or other consistent method of tightening the torque bolts to reconnect the inlet and outlet ports.









Introduction

- 1. Operating media: Dry or lubricated air, or the non-corrosive gases The maximum particle diameter must less than 30 u m
- 2. Air supply pressure: The minimum supply pressure is 2.5 Bar The maximum supply pressure is 8 Bar
- 3. Operating temperature: Standard: -20° c $_{\sim}+80^{\circ}$ c Low temperature: -35° c $_{\sim}+80^{\circ}$ c High temperature: -15° c $_{\sim}$ M50° c
- 4. Travel adjustment: Have adjustment range of $\pm\,5^\circ$ for the rotation at 0° and 90°

Qutline Size drawing

MODEL	А	В	С	D	Е	F	G	Н	J	K	N	М	L	Р	Z	Air Hole
AT52	30	42.5	65.5	72.4	92.5	50.5	30	80	Ø36	Ø50	$M5 \times 8$	$M6 \times 10$	150	42	14	NAMUR G1/4"
AT63	36	47	81	88.5	98.5	69.5	30	80	Ø50	Ø70	$M6 \times 10$	$M8 \times 13$	171	42	18	NAMUR G1/4"
AT75	42.5	53	93	100	120	78	30	80	Ø50	Ø70	M6×10	$M8 \times 13$	186	42	18	NAMUR G1/4"
AT83	46.5	57	98.5	109.7	129.5	86	30	80	Ø50	Ø70	$M6 \times 10$	$M8 \times 13$	206	42	21	NAMUR G1/4"
AT92	50	58	106	117	137	90	30	80	Ø50	Ø70	M6×10	$M8 \times 13$	265	42	21	NAMUR G1/4"
AT105	57 . 5	64	122.5	135	155	104.5	30	80	Ø70	Ø102	$M8 \times 13$	M10 ×16	272	42	27	NAMUR G1/4"
At125	67.5	74.5	145.5	157	177	120.5	30	80	Ø70	Ø102	$M8 \times 13$	$M10 \times 16$	304	60	27	NAMUR G1/4"
AT140	75.5	75.5	161	174	194	125	30	80	Ø102	Ø125	M10 ×16	M12 ×20	395	60	32	NAMUR G1/4"
AT160	87	87	184	198	228	143	30	80	Ø102	Ø125	$M10 \times 16$	$M12 \times 20$	462	60	32	NAMUR G1/4"
AT190	103	103	216	232	262	172	30	130	Ø102	Ø140	$M10 \times 16$	$M16{\times}25$	520	85	40	NAMUR G1/4"
AT210	113	113	235.5	257	287	194	30	130	Ø102	Ø140	$M10 \times 16$	M16×25	538	85	40	NAMUR G1/4"
AT240	130	130	235.5	292	322	230	30	130		Ø165		$M20 \times 30$	592	90	50	NAMUR G1/4"
AT270	147	147	235.5	331	361	253	30	130		Ø165		$M20 \times 30$	713	90	50	NAMUR G1/2"
AT300	161	168	235.5	354	384	290	30	130	Ø165	Ø215	$M20 \times 30$	$M20 \times 30$	771	90	50	NAMUR G1/2"

Common faults and inspection, troubleshooting

Failure Phenomenon	Inspection Items	Solution				
	The electromagnetic valve is normal, Coil is burned, electromagnetic valve is stuck being stolen	Solenoid valve replacement, Replacement coils, remove stolen Property.				
Pneumatic Valve Can Not Move	A separate air supply pneumatic Actuator test check seals and Whether the cylinderis damaged.	Replace a bad ring and cylinder.				
Can Not Wove	There are impurities in the spool Valve stuck.	Remove impurities, replace Damaged parts.				
	the handle in a manual hand motor location.	Interchange				
	Supply pressure is not enough.	The increase of gas supply pressure(0 4-0.7mpa)				
Slow Motion,	Pneumatic actuator outputtorque is Too small.	Increase the pneumatic actuator Production.				
Crawling	The valve spool or valve assembly too tight.	Re-assembly adjustments.				
	Air supply pipe plug, flow is toosmall.	Exclude plug, replace the filter cartridge.				
5 1 5 1	power line short circuit or open circuit.	Maintenance of power lines.				
Reply Devices Without Signal	reply within the cam position is not accurate.	Adjust the cam to the correct location				
	Micro switch damaged.	Replacement micro switch				

SOLENOID VALVE













ELECTRIC VALVE













PNEUMATIC VALVE













SPECIALIZED FLUID CONTROL VALVE MANUFACTURER

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