

The 3 piece design allows for the center part of the valve containing the ball, stem & seats to be easily removed from the pipeline. This facilitates efficient cleaning of deposited sediments, replacement of seats and gland packings, polishing out of small scratches on the ball, all this without removing the pipes from the valve body. The design concept of a three piece valve is for it to be repairable.

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



	Body	Valve components			
Nominal size	DN08-DN100	Seat material	PTFE: -20℃~180℃ PPL: -20℃~250℃		
Body material	SS304 SS316 SS316 L	Core material	SS304 SS316		
Connection type	Female Thread	Stem material	SS304		
Pressure Rating	PN1.0, 2.5, 4.0, 6.4, 31.5MPa	Applicable modium	Water, Liquids, Gas, Oil,		
Structure type	Floating ball core	Applicable medium	Powder, Steam, Acid-base Corrosive Medium.		

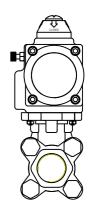
Qutine Size drawing

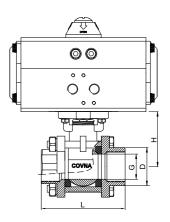
											l	JNIT: mm
ME	EDLE	DN08	DN10	DN15	DN20	DN25	DN32	DN40	DN50	DN65	DN80	DN100
Act	tuator	AT52	AT52	AT52	AT52	AT52	AT65	AT65	AT75	AT83	AT92	At92
	G	1/4"	3/8"	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"	2-1/2"	3"	4"
	D	11.2	12.5	15	20	25	32	40	50	65	80	100
	L	60	60	72	82	90	112	120	145	185	210	268
	н	42	42	42	48.5	58.5	63	71	78	100	109	140
	eight ^{Kg)}	2.1	2.1	2.1	2.1	2.4	3.6	4.2	5.4	8.7	14.6	18

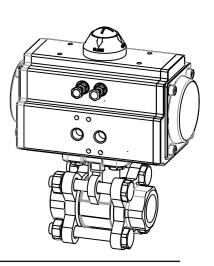
Maintenance

- 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.











Quick open and close, less flowing resistance. PTFE sealing, perfect sealing, high temperature, corrosion resistance, acid and alkali resistance. The main features of the valve itself is compact, easy operation and maintenance for water, acids and natural gas general working media.

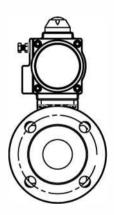
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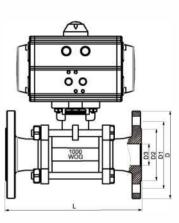
Technical Parameters

	Body	Valve components				
Nominal Size	DN15~DN400	Seat Material	PTFE: -30°C~180°C			
Body Material	Stainless Steel	Core Material	Stainless Steel			
Connection Type	Flange (GB/ANSI/DIN/JIS)	Stem Material	Stainless Steel			
Pressure Rating	1.6, 2.5, 4.0, 6.4MPa	Analisahla Madisus	Water, Liquids, Gas, Oil, Powder, Steam, Acid-base Corrosive Medium.			
Structure type	Floating ball core	Applicable Medium				



Qutine Size drawing

Quality Olze drawing											Ur	NIT: mm
MEDLE	DN15	DN20	DN25	DN32	DN40	DN50	DN65	DN80	DN100	DN125	DN15 0	DN200
G	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"	2-1/2"	3"	4"	5"	6"	8"
D3	15	20	25	30	40	50	65	80	100	125	150	200
D2	45	55	65	78	85	100	120	135	155	185	210	265
D1	65	75	85	100	110	125	145	160	180	210	240	295
D	95	105	115	135	145	160	180	195	215	245	280	335
L	130	150	160	180	200	230	250/290	280/310	320/350	400	480	
n–φd	4-014	4-ф14	4-ф14	4-ф18	4 − Φ18	4-ф18	4-ф18	8-ф18	8-ф18	8 – ∳18	8-ф28	4-ф23



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.



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Technical Parameters

	Body	Valve components				
Nominal size	DN08-DN100	Seat material	PTFE: -20℃~180℃ PPL: -20℃~250℃			
Body material	SS304 SS316 SS316 L	Core material	SS304 SS316			
Connection type	Welded	Stem material	SS304			
Pressure Rating	PN1.0, 2.5, 4.0, 6.4, 31.5MPa	Applicable medium	Water, Liquids, Gas, Oil, Powder, Steam, Acid-base Corrosive Medium.			
Structure type	Floating ball core	Applicable medium				

Qutine Size drawing

UNIT: mm

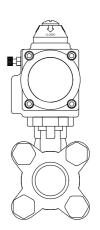
ı	MEDLE	DN08	DN10	DN15	DN20	DN25	DN32	DN40	DN50	DN65	DN80	DN100
	G	1/4"	3/8"	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"	2-1/2"	3"	4"
	d	10	12	15	20	25	32	40	50	65	80	100
	D	12. 5	17. 5	22	27	34	42. 5	48. 5	61	73	90	115
	L	65	65	75	83	90	113	115	140	160	180	215
	Н	33	34	38	45	55	60	70	85	100	112	140

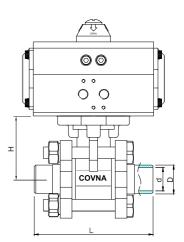
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Body material	SS304 SS316 SS316 L	Core material	SS304 SS316			
Connection type	Clamp	Stem material	SS304			
Pressure Rating	PN1.0, 2.5, 4.0, 6.4, 31.5MPa	Applicable medium	Water, Liquids, Gas, Oil,			
Structure type	Floating ball core	Applicable Mediciti	Powder, Steam, Acid-base Corrosive Medium.			

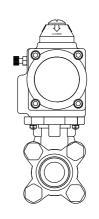
Qutine Size drawing

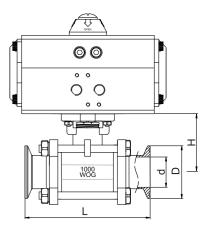
QUIII	5.25 a.a.	9			UNII: mn					
MEDLE	DN15	DN20	DN25	DN32	DN40	DN50	DN65	DN80	DN100	
Actuator			AT52		AT63	AT75	AT83	AT92	AT92	
G	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"	2-1/2"	3"	4"	
D	50. 5	50. 5	50. 5	50. 5	50. 5	64	91	106	119	
L	100	100	120	130	140	156	196	228	242	
Н	55	60	70	82	90	105	120	132	158	

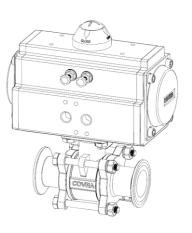
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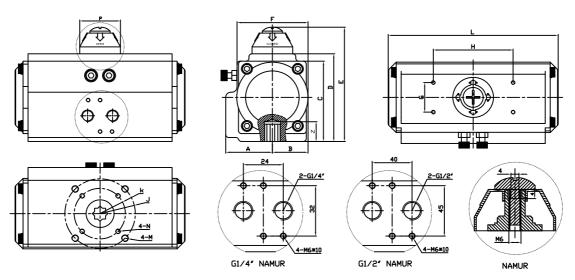












- 1. Operating media: Dry or lubricated air, or the non-corrosive gases The maximum particle diameter must less than 30 u m
- 2. Air supply pressure: The minimum supply pressure is 2.5 Bar The maximum supply pressure is 8 Bar
- 3. Operating temperature: Standard: -20° c $_{\sim}+80^{\circ}$ c Low temperature: -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 Move	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.				
	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				
- Triandar Gigital	Micro switch damaged.	Replacement micro switch				

SOLENOID VALVE













ELECTRIC VALVE













PNEUMATIC VALVE













SPECIALIZED FLUID CONTROL VALVE MANUFACTURER

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