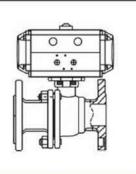
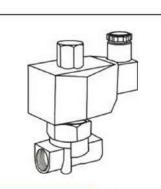
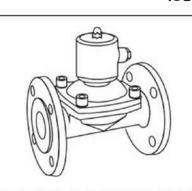


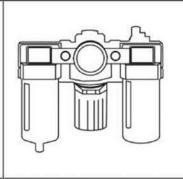
ISO9001 (€ RoHS 🛕 🖾











OPERATING MANUAL







Introduction

Ultrahigh pressure ball is adopt ball core rotate 90 degrees to open or close the valve, the brick, high pressure forging with German import seal assembly, provided by initial seal, stainless steel butterfly spring cushion packing seal surface enhanced with medium pressure rise, self sealing performance is strong, super high pressure ball valve can be used in the ultra high pressure liquid, ultrahigh pressure gas or the mixture of main application industry has ultrahigh pressure testing machine, pneumatic pumps, hydraulic pump, deep—sea detectors.

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



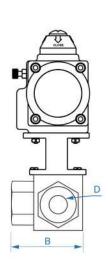
Technical Parameters

	Body	Valve components					
Size Range	DN08-DN50	Seating Material	PTFE: -20°C~180°C				
Body material	SS304 SS316 SS316 L	Core Material	Stainless Steel				
End Connection	Female Thread	Stem Material	Stainless Steel				
Operating Pressure	PN10.0~40.0MPa	Analizable specie	Ultra high pressure liquid, Ultra high pressure gas,Oil Or a mixture thereof				
Structure	Floating ball core	Applicable media					

Qutine Size drawing

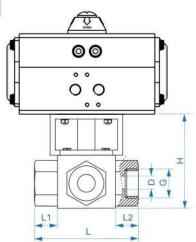
UNIT: mm

MEDLE	DN08	DN10	DN15	DN20	DN25	DN32	DN40	DN50
G	1/4"	3/8"	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"
D	8	10	15	20 25 32		40	50	
В	64	64	65	80	95	107	123	
Н	43	43	43	53	64	70	79	
L	80	80	82	101	120	127	150	
L1	19	19	20	25	29	30	28	
L2	19	19	20	25	29	30	28	

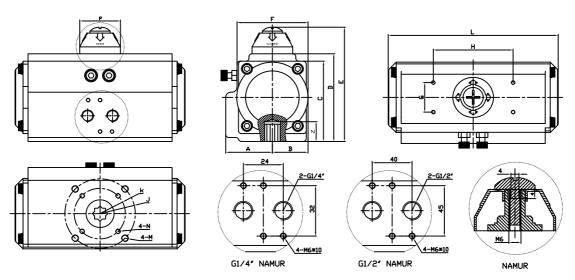


Maintenance

- 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 :	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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