

### Product overview

The pneumatic V-type ball valve is an advanced control valve with a quarter-turn structure. Used in conjunction with a valve positioner to achieve proportional regulation. When used together with a two-position five-way solenoid valve and a control box, it can realize switch control. Pneumatic V-type regulating ball valve is suitable for the control of gas, liquid and solid granular media.



### Actuator technical parameters

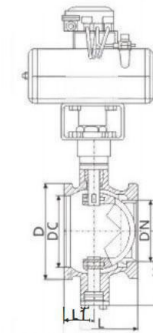
Actuator model	GT, AT, AW series single and double acting pneumatic actuators
Gas supply pressure	0.4~0.7MPa
Air source interface	G1/4", G1/8", G3/8", G1/2"
Ambient temperature	-30~70°C
Action form	Single-acting actuator: air-to-close (B) - valve position open when air is lost (FO); air-to-open (K) - valve position closed when air is lost (FC) Double-acting actuator: air-to-dose (B) - valve position is maintained when air is lost (FL); air-to-open (K) - valve position is maintained when air is lost (FL)
Available accessories	Positioner, solenoid valve, air filter pressure reducer, position-holding valve, travel switch, valve position transmitter, handwheel mechanism, etc.

### Main technical parameters and performance

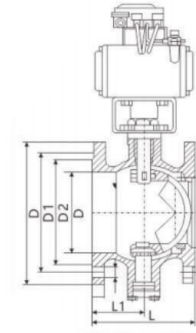
Nominal diameter(mm)	25	32	40	50	65	80	100	125	150	200	250	300	350	400
Rated flow coefficient Cv	32	43	78	90	160	250	360	610	1120	1850	2950	3700	7195	11466
Nominal pressure	PN1.6, 2.5MPa													
Strength test	2.4MPa													
Sealing test	1.76MPa													
Flow characteristics	Approximately equal percentage													
Valve plate rotation angle (degrees)	0° to 90°(adjustable)													
Allowable leakage level	Soft seal: zero leakage; Hard seal: = rated Cv×0.001%							Soft seal: VI micro bubble pole, metal seal: = rated CV × 0.065%						
Action time (S/90 degrees)	8.5-30							36-60						
Adjustable ratio	250:1							300:1						
Configuring the Executor	GT, AT, AW series single and double acting pneumatic actuators													
control method	Switch type (two-position switch control), regulating type (4-20mA control)													

### Main parts materials

Nominal diameter (mm)		DN15-DN300		
Material code		C	P	R
The main parts	Valve body	WCB	ZG1Cr18Ni9Ti	ZG1Cr18Ni12Mo2Ti
	Sphere	2Cr13	1Cr18Ni9Ti	1Cr18Ni12Mo2Ti
	Valve stem	2Cr13	1Cr18Ni9Ti	1Cr18Ni12Mo2Ti
	Sealing ring	Reinforced polytetrafluoroethylene para-polystyrene		
filler		PTFE Flexible Graphite		
Applicable working conditions	Applicable media	Steam, water, oil		Acetic acid
	Proper temperature	-28°C~300°C		



Pneumatic Wafer Type V-Type Regulating Ball Valve



Pneumatic flange V-type Regulating Ball Valve

### Installation and connection dimensions of pneumatic flange V-type regulating ball valve

Nominal diameter(mm)	25	32	40	50	65	80	100	125	150	200	250	300
L	102	114	114	124	143	165	194	213	229	243	297	338
L1	62	62	62	75	80	100	115	130	160	200	240	334
H	60	60	65	95	105	120	140	155	165	205	240	270
H1	277	285	305	364	379	389	402	426	453	473	540	590
A	140	140	140	164	164	190	210	247	276	348	378	524
PN1.6MPa Flange size												
D	115	140	150	165	185	200	220	250	285	340	405	460
D1	85	100	110	125	145	160	180	210	240	295	355	410
D2	65	76	84	99	118	132	156	184	211	266	319	370
n-φd	4-14	4-18	4-18	4-18	4-18	8-18	8-18	8-18	8-22	12-22	12-26	12-26

Unit:mm

### Installation and connection dimensions of pneumatic wafer-type V-type regulating ball valve

Nominal diameter(mm)	25	32	40	50	65	80	100	125	150	200	250	300
L	62	62	62	75	90	100	115	130	160	200	250	280
L1	62	62	62	75	80	100	115	130	160	200	240	334
H	60	60	65	95	105	120	140	155	165	205	240	270
H1	277	285	305	364	379	389	402	426	453	473	540	590
A	140	140	140	160	164	190	210	247	276	348	378	524
PN1.6MPa Flange size												
D	115	140	150	165	185	200	220	250	285	340	405	460
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n-φd	4-14	4-18	4-18	4-18	4-18	8-18	8-18	8-18	8-22	12-22	12-26	12-26

Unit:mm