

## Pneumatic Solenoid Valve



## Pneumatic Solenoid Valve

The pneumatic solenoid valve is internal pilot operated to control the flow of air. The different series, 2-way, 3-way and 5-way, are designed for different port size selections, along with 12V DC, 24V DC, 110V AC and 220V AC. Pneumatic solenoid valves work at the ambient temperature of 5°C~ 60°C and have no need for lubrication.

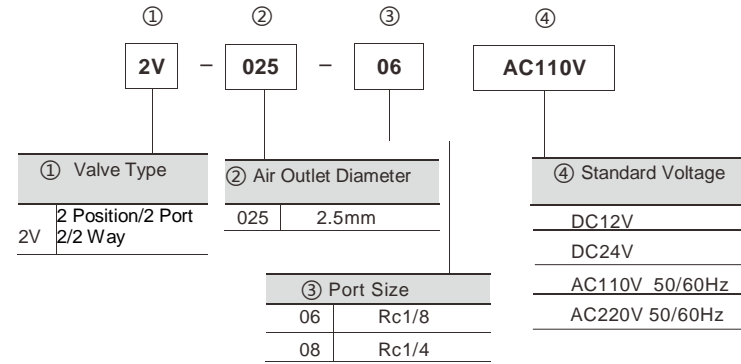
Pneumatic solenoid valves are widely applied in the various industrial areas like chemical, petroleum, pharmaceutical, automotive, light industry, food, mineral processing, water treatment, electroplating, metallurgy, dyes, and textiles.

## Solenoid Valve Applications





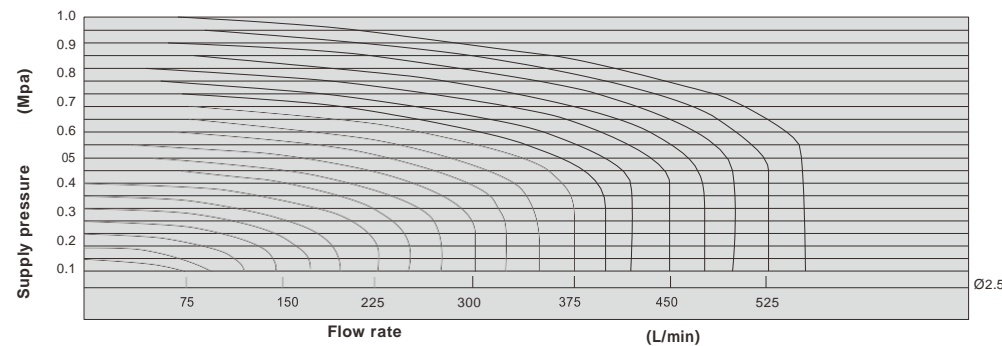
### How to Order



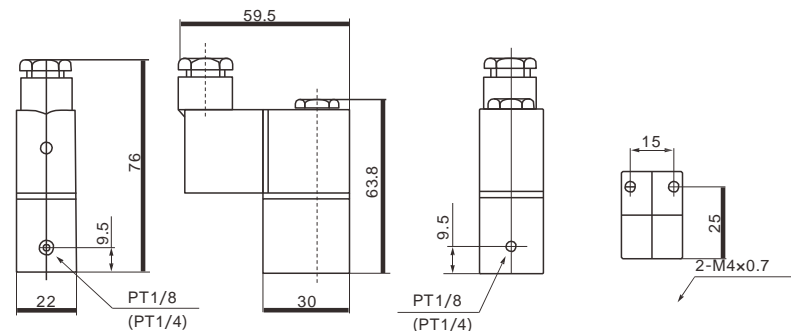
### Specifications

Model	2V025-06	2V025-08
Fluid	Air	
Operating pressure range	0.15~0.8MPa	
Max. pressure resistance	1.2MPa	
Ambient and fluid temperature	5~60°C	
Allowable voltage range	-10%~+10%	
Protection	IP65	
Insulation grade	Class B or Equivalent	
Operating mode	Internal pilot-operated	
Lubrication	No	

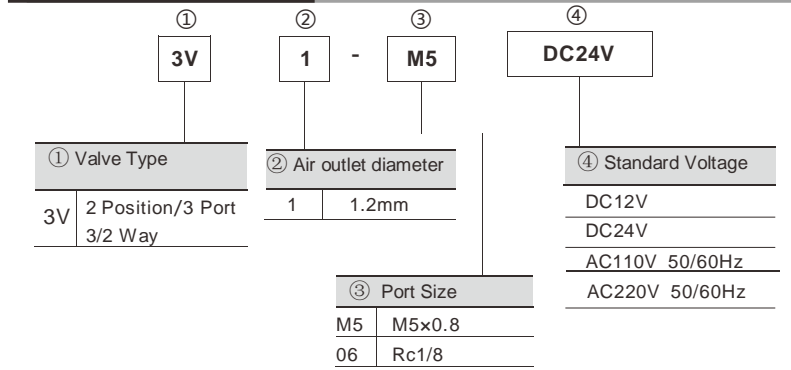
### Flow Characteristics



### Dimensions



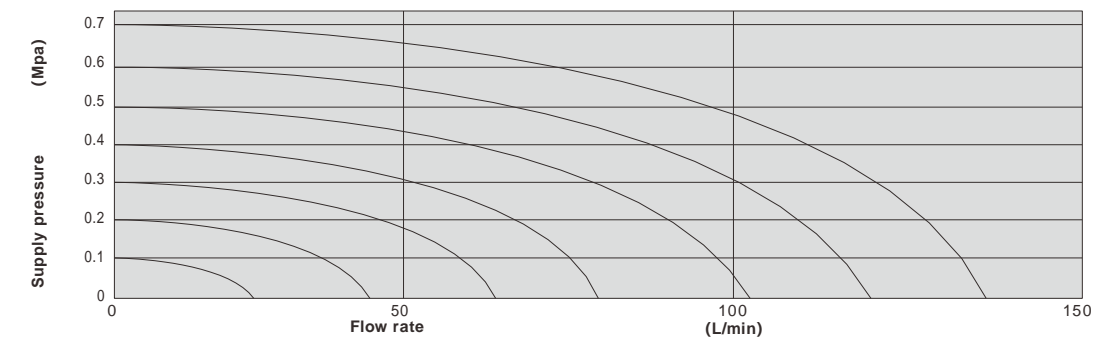
### How to Order



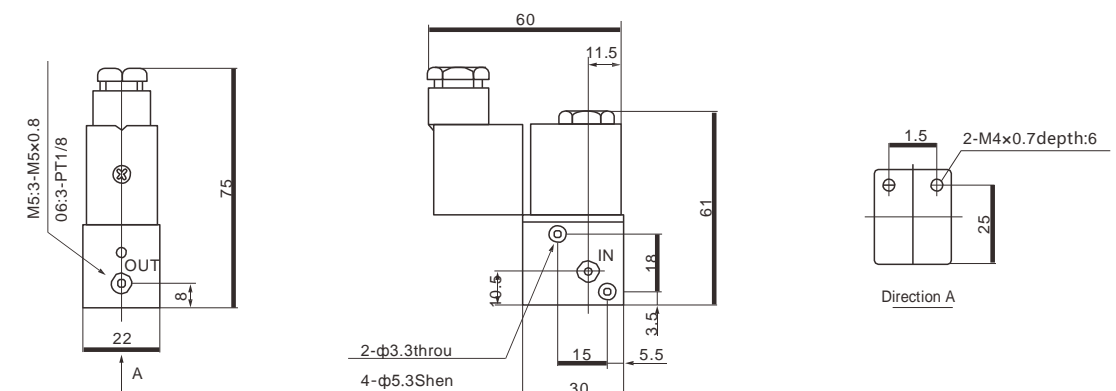
### Specifications

Model	3V1-M5	3V1-06
Fluid	Air	
Operating pressure range	0.15~0.8MPa	
Max. pressure resistance	1.2MPa	
Ambient and fluid temperature	5~60°C	
Allowable voltage range	-10%~+10%	
Protection	IP65	
Insulation grade	Class B or Equivalent	
Operating mode	Internal pilot-operated	
Lubrication	No	
Max. action frequency	10Hz	

### Flow Characteristics



### Dimensions



### How to Order

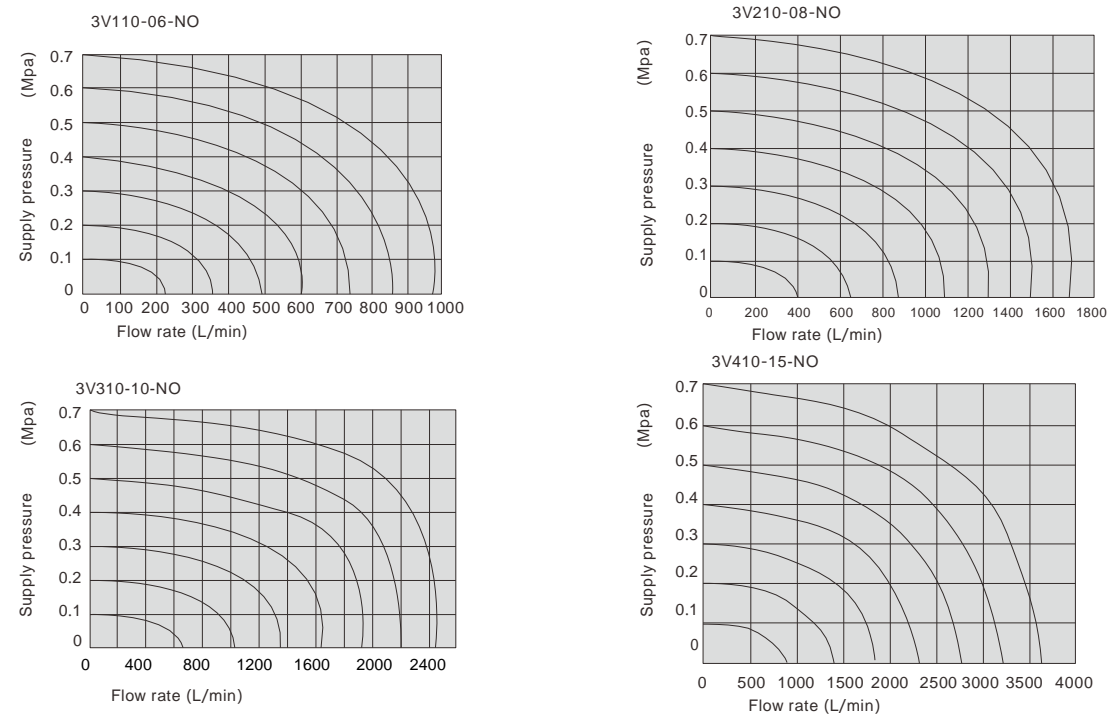


① Valve Type	② Series Code	③ Control Form	④ Pipe Size	⑤ Initial State	⑥ Standard Voltage
3V 2 Position/3 Port 3/2 Way	1 Series 100 2 Series 200 3 Series 300 4 Series 400	10 Single Solenoid Operated 20 Double Solenoid Operated	M5 M5x0.8 06 Rc1/8 08 Rc1/4 10 Rc3/8 15 Rc1/2	NC Normally Closed NO Normally Open	DC12V DC24V AC110V 50/60Hz AC220V 50/60Hz

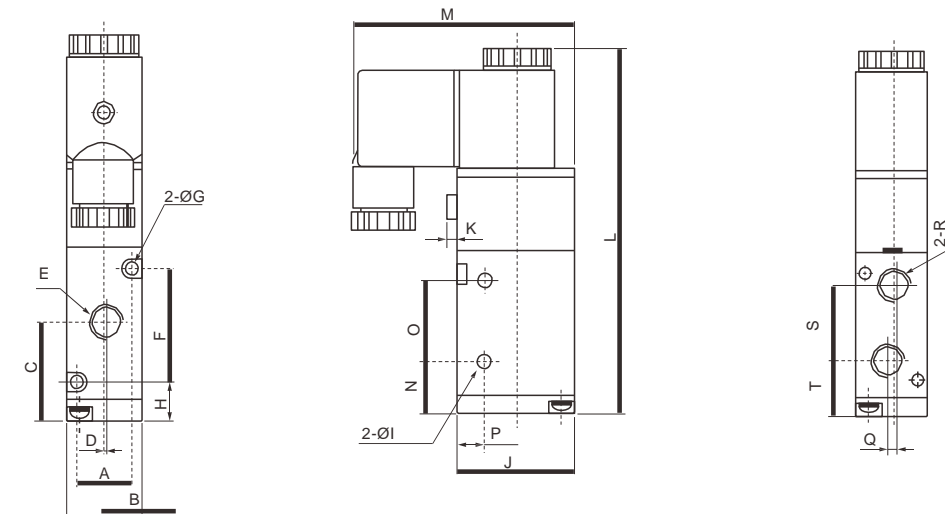
### Specifications

Fluid	Air
Operating pressure range	0.15~0.8MPa
Max. pressure resistance	1.2MPa
Ambient and fluid temperature	5~60°C
Allowable voltage range	-10%~+10%
Protection	IP65
Insulation grade	Class B or Equivalent
Operating mode	Internal pilot operated
Lubrication	No
Max. action frequency	5Hz

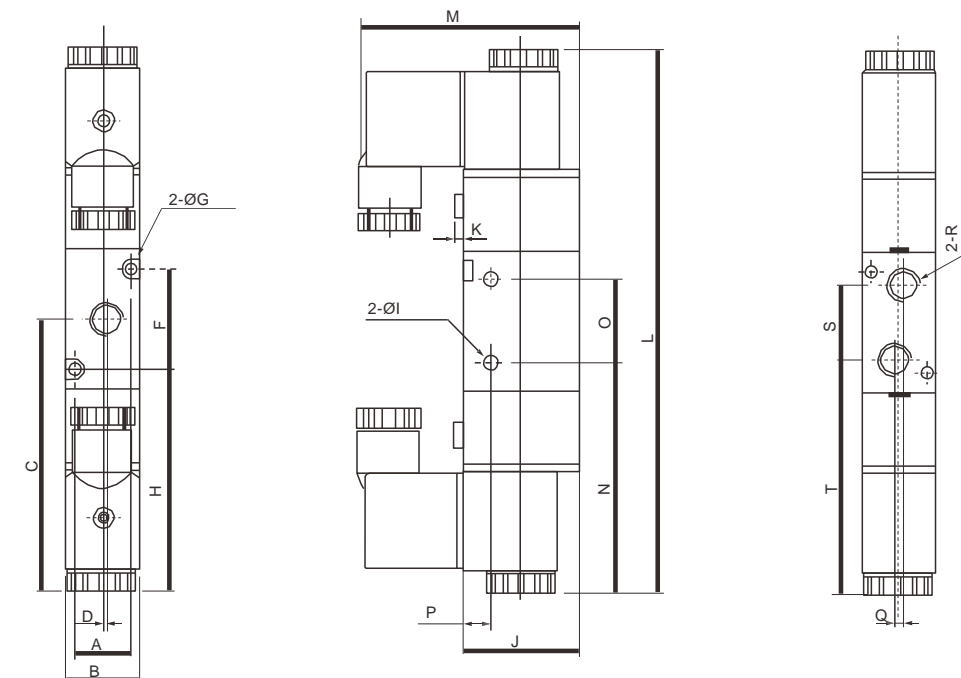
### Flow Characteristics



### Dimensions



Mode	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
3V110-M5	13	18	22.7	0	M5x0.8	19	Ø3.3	13.2	Ø3.1	27	2.5	88.4	55	12.2	21	7.7	0	M5x0.8	14.2	14.7
3V110-06	13	18	23.7	1	PT1/8	19	Ø3.3	13.2	Ø3.1	27	2.5	88.4	55	12.2	21	7.7	2	PT1/8	16	14.7
3V210-06	17	22	27.7	0	PT1/8	30	Ø3.2	12.7	Ø4.2	35	3	109	66.7	15.2	25	8.2	0	PT1/8	22	16.7
3V210-08	17	22	28.7	1.5	PT1/4	30	Ø3.2	12.7	Ø4.2	35	3	109	66.7	15.2	25	8.2	0	PT1/4	22.5	16.7
3V310-08	20	27	32.5	0	PT1/4	35	Ø4.3	15	Ø4.3	40	2.4	120	69.2	17.5	30	10.5	0	PT1/4	24	20.5
3V310-10	20	27	32.5	2	PT3/8	35	Ø4.3	15	Ø4.3	40	2.4	120	69.2	17.5	30	10.5	0	PT3/8	24	20.5
3V410-15	27	34	42	3	PT1/2	48	Ø4.5	17.5	Ø4.5	50	2.8	138	74	17.5	48	13	0	PT1/2	35	25



Mode	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
3V120-M5	13	18	65.7	0	M5x0.8	19	Ø3.3	56.2	Ø3.1	27	2.5	131.4	55	55.2	21	7.7	0	M5x0.8	14.2	57.7
3V120-06	13	18	66.7	1	PT1/8	19	Ø3.3	56.2	Ø3.1	27	2.5	131.4	55	55.2	21	7.7	2	PT1/8	16	57.7
3V220-06	17	22	81.4	0	PT1/8	30	Ø3.2	66.4	Ø4.2	35	3	162.8	66.7	69	25	8.2	0	PT1/8	22	70.2
3V220-08	17	22	82.4	1.5	PT1/4	30	Ø3.2	66.4	Ø4.2	35	3	162.8	66.7	69	25	8.2	0	PT1/4	22.5	70.2
3V320-08	20	27	87.4	0	PT1/4	35	Ø4.3	70	Ø4.3	40	2.4	174.8	69.2	72.4	30	10.5	0	PT1/4	24	75.4
3V320-10	20	27	87.4	2	PT3/8	35	Ø4.3	70	Ø4.3	40	2.4	174.8	69.2	72.4	30	10.5	0	PT3/8	24	75.4
3V420-15	27	34	96.5	3	PT1/2	48	Ø4.5	72.5	Ø4.5	50	2.8	193	74	72.5	48	13	0	PT1/2	35	79



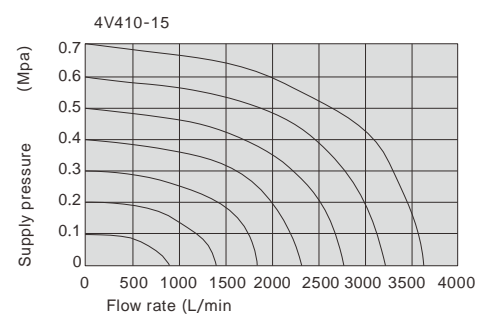
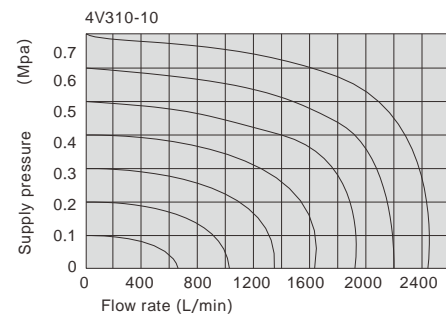
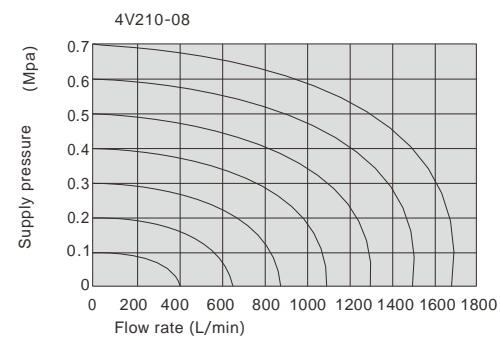
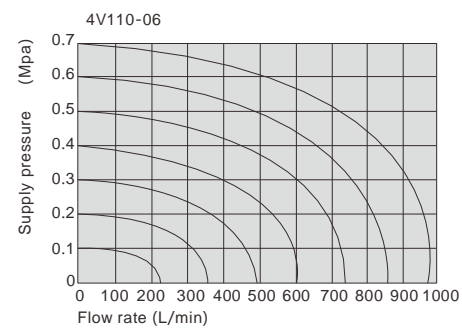
### How to Order

①	4V	②	1	③	10	④	06	⑤	AC110V
<b>① Valve Type</b>		<b>② Series Code</b>		<b>③ Control Form</b>		<b>④ Port Size</b>		<b>⑤ Standard Voltage</b>	
4V 5/2(3) Way 2(3) Position/5 Port		1 Series 100 2 Series 200 3 Series 300 4 Series 400		10 Single Solenoid Operated 20 Double Solenoid Operated		M5 M5x0.8 06 Rc1/8 08 Rc1/4 10 Rc3/8 15 Rc1/2		DC12V DC24V AC110V 50/60Hz AC220V 50/60Hz	

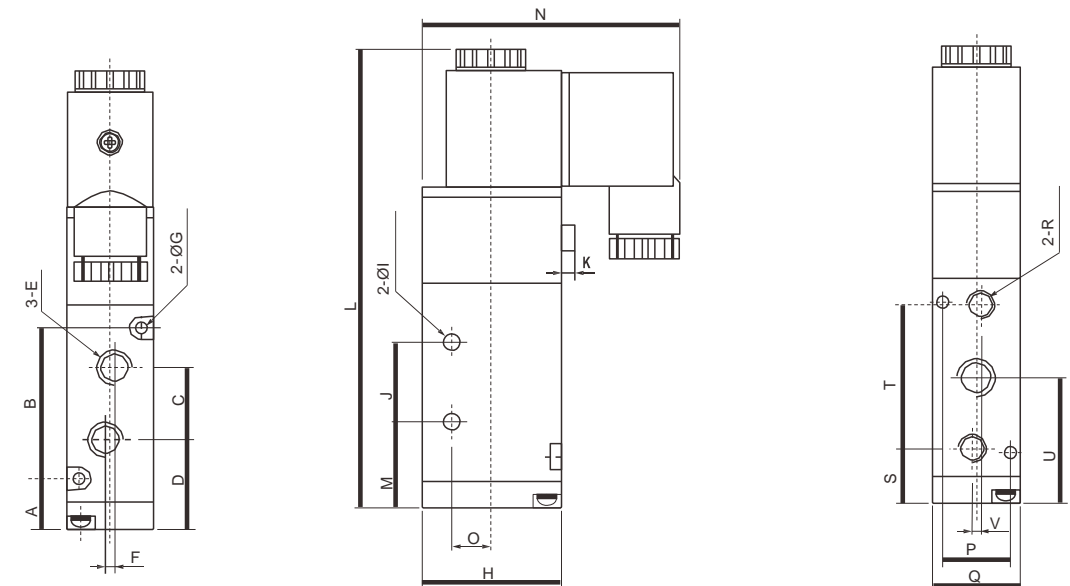
### Specifications

Fluid	Air
Operating pressure range	0.15~0.8MPa
Max. pressure resistance	1.2MPa
Ambient and fluid temperature	5~60°C
Allowable voltage range	-10%~+10%
Protection	IP65
Insulated grade	Class B or Equivalent
Operating method	Internal pilot operated
Lubrication	No
Max. action frequency	5Hz

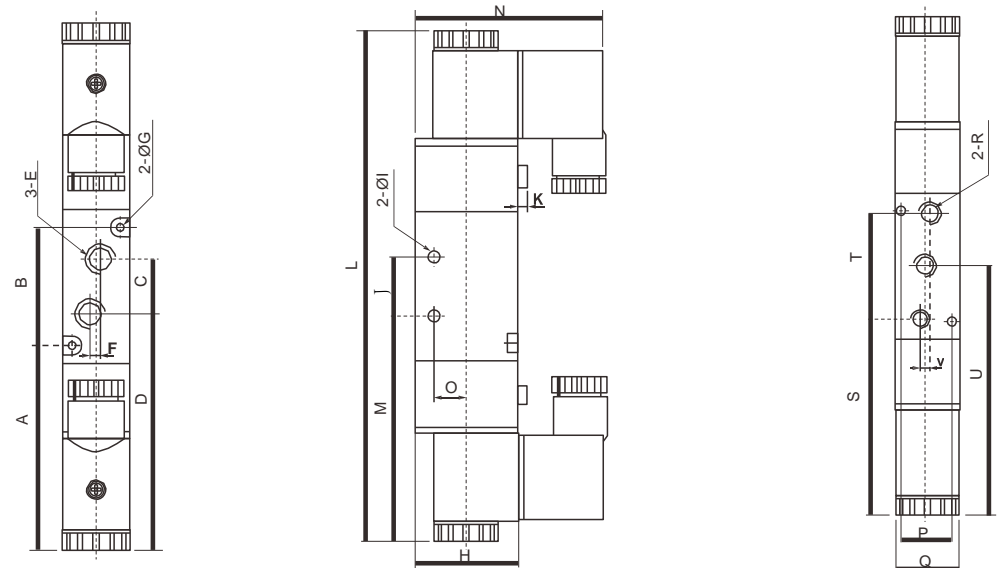
### Flow Characteristics



### Dimensions



Mode	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V
4V110-M5	13.2	30	14	21.2	M5x0.8	0	Ø3.3	27	Ø3.3	14	2.5	99.4	21.2	55	9.5	13	18	M5x0.8	14.7	27	28.2	0
4V110-06	13.2	30	16	20.2	PT1/8	3	Ø3.3	27	Ø3.3	14	2.5	99.4	21.2	55	9.5	13	18	PT1/8	14.2	28	28.2	1
4V210-06	12.7	38	18	22.7	PT1/8	0	Ø3.2	35	Ø4.3	20	3	117	21.7	66.7	10.5	17	22	PT1/8	13.7	36	31.7	0
4V210-08	12.7	38	21	21.2	PT1/4	3	Ø3.2	35	Ø4.3	20	3	117	21.7	66.7	10.5	17	22	PT1/8	13.7	36	31.7	0
4V310-08	15	50	22	29	PT1/4	0	Ø4.3	40	Ø4.3	24	2.4	135	28	69.2	13.5	20	27	PT1/4	17.5	45	40	0
4V310-10	15	50	24	28	PT3/8	4	Ø4.3	40	Ø4.3	24	2.4	135	28	69.2	13.5	20	27	PT1/4	17.5	45	40	0
4V410-15	21	72	36	39	PT1/2	4	Ø4.3	50	Ø5.5	28	2.8	168.4	43	74.2	17.5	27	34	PT1/2	25.5	63	57	0



Mode	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V
4V120-M5	56.2	30	14	64.3	M5x0.8	0	Ø3.3	27	Ø3.3	14	2.5	142.4	64.2	55	9.5	13	18	M5x0.8	57.7	27	71.2	0
4V120-06	56.2	30	16	63.2	PT1/8	3	Ø3.3	27	Ø3.3	14	2.5	142.4	64.2	55	9.5	13	18	PT1/8	57.2	28	71.2	1
4V220-06	66.4	38	18	76.4	PT1/8	0	Ø3.2	35	Ø4.3	20	3	171	75.4	66.7	10.5	17	22	PT1/8	67.4	36	85.4	0
4V220-08	66.4	38	21	74.9	PT1/4	3	Ø3.2	35	Ø4.3	20	3	171	75.4	66.7	10.5	17	22	PT1/8	67.4	36	85.4	0
4V320-08	69.9	50	22	83.9	PT1/4	0	Ø4.3	40	Ø4.3	24	2.4	190	82.9	69.2	13.5	20	27	PT1/4	72.4	45	94.9	0
4V320-10	69.9	50	24	82.9	PT3/8	4	Ø4.3	40	Ø4.3	24	2.4	190	82.9	69.2	13.5	20	27	PT1/4	72.4	45	94.9	0
4V420-15	75.4	72	36	93.4	PT1/2	4	Ø4.3	50	Ø5.5	28	2.8	222.8	97.4	74.2	17.5	27	34	PT1/2	79.9	63	111.4	0