

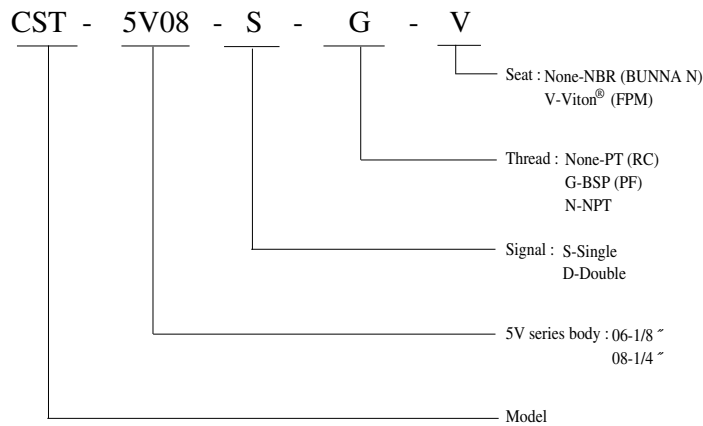


# 5/2-way air master valve of die-cast aluminum for pipe connection

## Single & Double External Pressure Supply / Spool Design

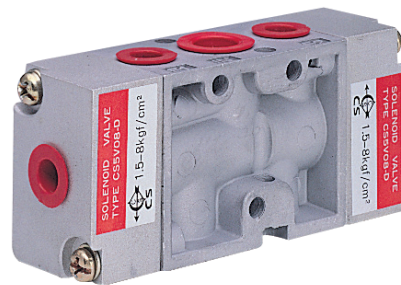
Model	Port size	Effective Area (mm <sup>2</sup> )	CV value	Fluid temp. (°C)	Seat disc	Differential pressure kg/cm <sup>2</sup> (bar)	Wt. (kg)
						Air	
CST-5V06-S	1/8 "	20	1.12	-10°C	NBR	1.5-8	0.20
CST-5V08-S	1/4 "	22	1.23			1.5-8	0.20
CST-5V06-D	1/8 "	20	1.12	60°C	Viton®	1.5-8	0.25
CST-5V08-D	1/4 "	22	1.23			1.5-8	0.25

## How to order



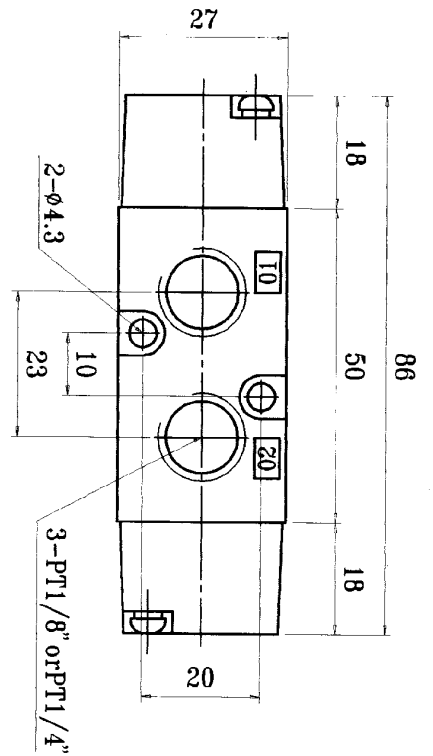
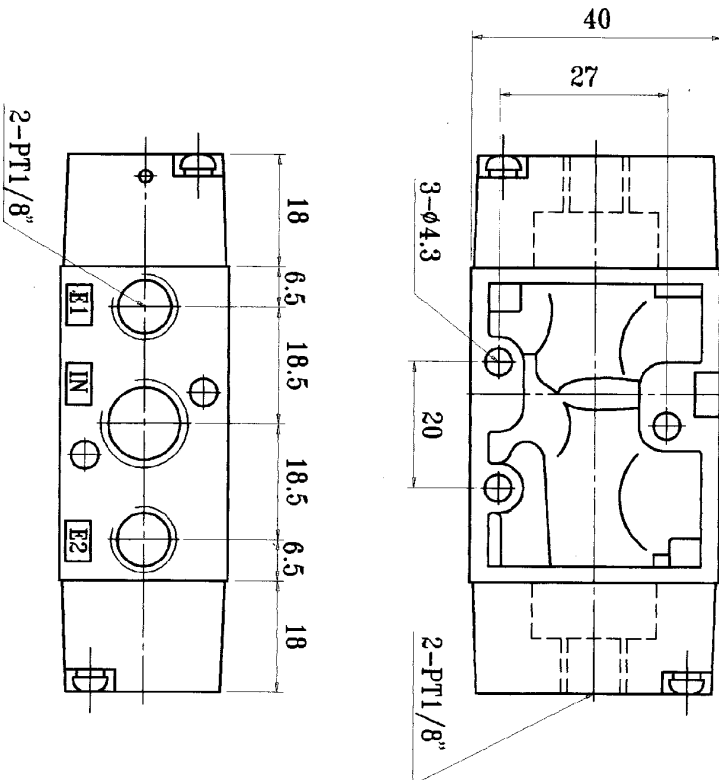
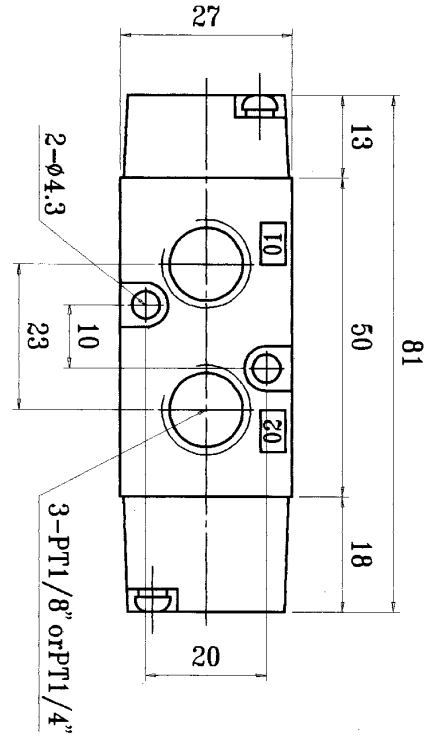
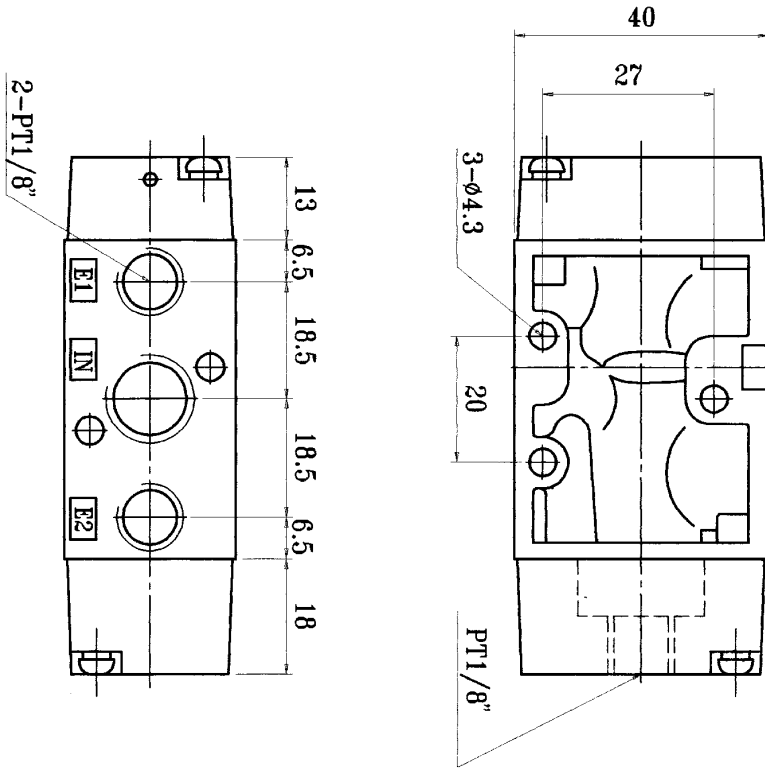
### Notes:

1. Fluid: Air.
2. Installation position :free.
3. Pilot connection pipe: PT-1/8".
4. Exhaust of 5V08 series is 1/8".
5. Viton® seat is custom-made.



# ● Specifications Chart

Unit:mm



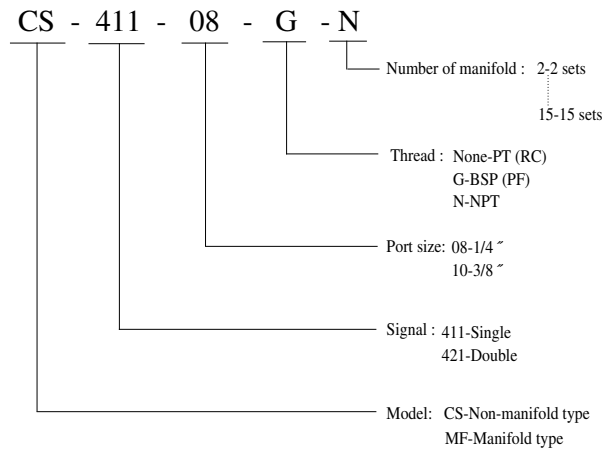


# 5/2-way air master valve of die-cast aluminum for pipe connection

## Single & Double Signal / PU Design

Model	Port size	Effective Area (mm <sup>2</sup> )	CV value	Fluid temp. (°C)	Seat disc	Differential pressure kg/cm <sup>2</sup> (bar)	Wt. (kg)
						Air	
CS-411-08	1/4 "	25	1.40	5	PU	1.5-10	0.45
CS-411-10	3/8 "	32	1.79			1.5-10	0.45
CS-421-08	1/4 "	25	1.40	60		1.5-10	0.50
CS-421-10	3/8 "	32	1.79			1.5-10	0.50

## How to order



### Notes:

- Fluid: Air.
- Pressure: 1.5-10 kgf/cm<sup>2</sup> (bar).
- Minimum pilot pressure: P.
  - single two-position type:  $P \geq 0.6 \times (\text{main pressure}) + 0.6 \text{ kgf/cm}^2 \text{ (bar)}$  (refer to pilot pressure range)
  - Double two-position type:  $P \geq 1.5 \text{ kgf/cm}^2 \text{ (bar)}$ .
  - Three-position type:  $P \geq 2 \text{ kgf/cm}^2 \text{ (bar)}$ .
- Applied temperature range: 5°C~60°C.
- Pilot connection pipe: PT-1/8".
- Installation position :free.

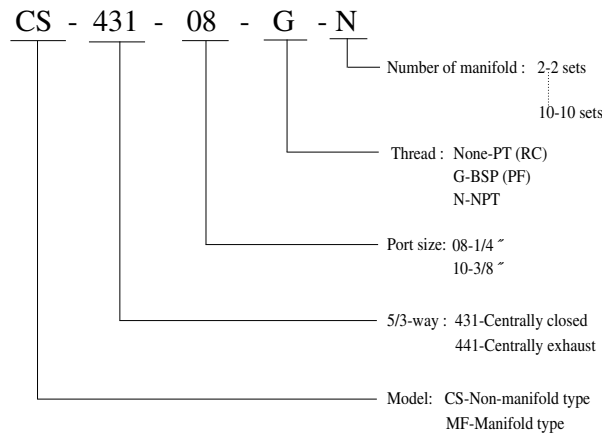


# 5/3-way air master valve of die-cast aluminum for pipe connection

## Double Signal / Centrally Closed & Centrally Exhaust / PU Design

Model	Port size	Effective Area (mm <sup>2</sup> )	CV value	Fluid temp. (°C)	Seat disc	Differential pressure kg/cm <sup>2</sup> (bar)	Wt. (kg)
						Air	
CS-431-08	1/4 "	17	0.95	5	PU	1.5-10	1.0
CS-431-10	3/8 "	21	1.18			1.5-10	1.0
CS-441-08	1/4 "	17	0.95	60		1.5-10	1.0
CS-441-10	3/8 "	21	1.18			1.5-10	1.0

## How to order

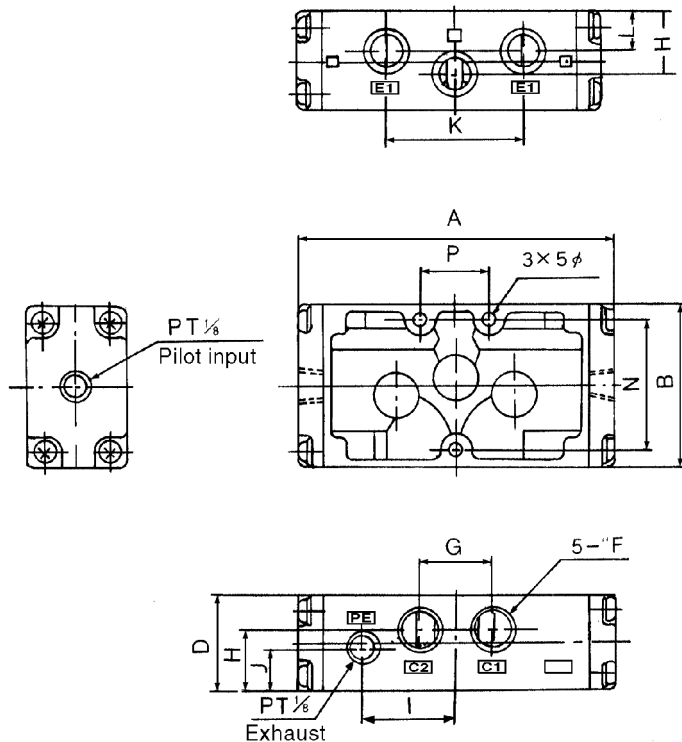
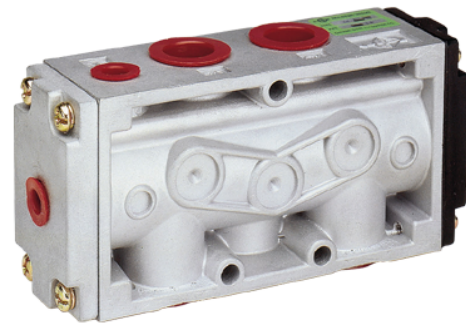


## Notes:

1. Fluid: Air.
2. Pressure: 1.5-10 kgf/cm<sup>2</sup>(bar).
3. Minimum pilot pressure: P.  
single two-position type:  $P \geq 0.6 \times (\text{main pressure}) + 0.6 \text{ kgf/cm}^2 \text{ (bar)}$ .  
(refer to pilot pressure range).  
Double two-position type:  $P \geq 1.5 \text{ kgf/cm}^2 \text{ (bar)}$ .  
Three-position type:  $P \geq 2 \text{ kgf/cm}^2 \text{ (bar)}$ .
4. Applied temperature range 5°C~60°C.
5. Pilot connection pipe: PT-1/8".
6. Installation position: free.

# Air Master Valves CS-411, 421, 431, 441

## ● Specification Chart



### Specifications:

- ☞ Fluid: air
- ☞ Pressure: 1.5-10 kgf/cm<sup>2</sup>(bar)
- ☞ Minimum pilot pressure: P
- Single two-position type:  $P \geq 0.6x$   
(main pressure)+0.6 kgf/cm<sup>2</sup>(bar)  
(refer to pilot pressure range)
- Double two-position type:  $P \geq 1.5$  kgf/cm<sup>2</sup>(bar)
- Three-position type:  $P \geq 2$  kgf/cm<sup>2</sup>(bar)
- ☞ Applied temperature range: 5°C-60°C
- ☞ Pilot connection pipe: PT-1/8"
- ☞ Installation position: free

Type	Material	Caliber PT	Effective Sectional Area	Symbol
5/2 - Way Single Signal	CS-411-08	1/4 "	25(mm <sup>2</sup> )	
	CS-411-10	3/8 "	32(mm <sup>2</sup> )	
5/2 - Way Double Signal	CS-421-08	1/4 "	25(mm <sup>2</sup> )	
	CS-421-10	3/8 "	32(mm <sup>2</sup> )	
5/3 - Way Centrally Closed Type	CS-431-08	1/4 "	17(mm <sup>2</sup> )	
	CS-431-10	3/8 "	21(mm <sup>2</sup> )	
5/3 - Way Centrally Exhaust Type	CS-441-08	1/4 "	17(mm <sup>2</sup> )	
	CS-441-10	3/8 "	21(mm <sup>2</sup> )	

Type	A	B	D	F	G	H	I	J	K	L	N	P
CS-411-08/10	111	55	33	1/4 ", 3/8 "	28	20.5	37	14.5	52	12.5	45	26
CS-421-08/10	111	55	33	1/4 ", 3/8 "	28	20.5	37	14.5	52	12.5	45	26
CS-431-08/10	155	55	33	1/4 ", 3/8 "	28	20.5	37	14.5	52	12.5	45	26
CS-441-08/10	155	55	33	1/4 ", 3/8 "	28	20.5	37	14.5	52	12.5	45	26