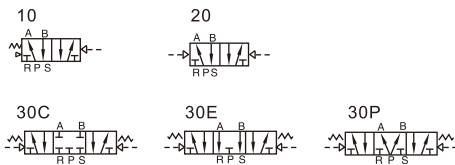


# Air valve(5/2 way, 5/3 way)

## 4A100 Series



## Symbol



## Product feature

1. Structure in sliding column mode: good tightness and sensitive reaction.
2. Three position air valves have three kinds of central function for your choice.
3. Double air control valves have memory function.
4. Internal hole adopts special processing technology which has little attrition friction, low start pressure and long service life.
5. No need to add oil for lubrication.
6. Integrate with the manifold to save installation space.

## Ordering code

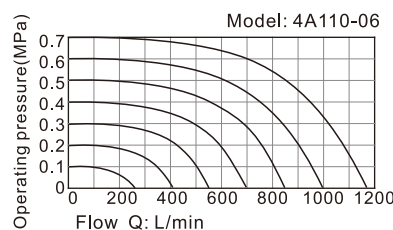
4A 1 10 06 □

① ② ③ ④ ⑤

| ① Model                     | ② Code        | ③ Valve type                                                                                                                                                                                                           | ④ Port size        | ⑤ Thread type                               |
|-----------------------------|---------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|---------------------------------------------|
| 4A: Air Valve(5/2, 5/3 way) | 1: 100 Series | 10: Single air control 5/2 way<br>20: Double air control 5/2 way<br>30C: Double air control 5/3 way closed center<br>30E: Double air control 5/3 way exhaust center<br>30P: Double air control 5/3 way pressure center | M5: M5<br>06: 1/8" | No this code<br>Blank: PT<br>G: G<br>T: NPT |

Please refer to 115 for manifold specification and the order way.

## Flow chart



The data in flow rate chart are obtained from Airtac lab.

## Specification

| Model                       | 4A110-M5<br>4A120-M5                                                                     | 4A130C-M5<br>4A130E-M5<br>4A130P-M5 | 4A110-06<br>4A120-06        | 4A130C-06<br>4A130E-06<br>4A130P-06 |
|-----------------------------|------------------------------------------------------------------------------------------|-------------------------------------|-----------------------------|-------------------------------------|
| Fluid                       | Air(to be filtered by 40 μm filter element)                                              |                                     |                             |                                     |
| Acting                      | Exterior control                                                                         |                                     |                             |                                     |
| Port size [Note1]           | In=Out=M5                                                                                |                                     | In=Out=1/8"                 |                                     |
| Orifice size(Cv)<br>[Note4] | 4A110-06,4A120-06:10.2mm <sup>2</sup> (Cv=0.6)<br>4A130C-06:8.6mm <sup>2</sup> (Cv=0.51) |                                     |                             |                                     |
| Valve type                  | 5 port 2 position                                                                        | 5 port 3 position                   | 5 port 2 position           | 5 port 3 position                   |
| Operating pressure          | 0.15~0.8MPa(21~114psi)                                                                   |                                     |                             |                                     |
| Proof pressure              | 1.2MPa(175psi)                                                                           |                                     |                             |                                     |
| Temperature                 | -20~70℃                                                                                  |                                     |                             |                                     |
| Material of body            | Aluminum alloy                                                                           |                                     |                             |                                     |
| Lubrication [Note2]         | Not required                                                                             |                                     |                             |                                     |
| Max. frequency [Note3]      | 5 cycle/sec                                                                              | 3 cycle/sec                         | 5 cycle/sec                 | 3 cycle/sec                         |
| Weight (g)                  | 4A110-M5:85<br>4A120-M5:140                                                              | 165                                 | 4A110-06:85<br>4A120-06:140 | 165                                 |

[Note1] PT thread, G thread and NPT thread are available.

[Note2] Once lubricated air is used, continue with same medium to optimise valve life span. Lubricants like ISO VG32 or equivalent are recommended.

[Note3] The maximum actuation frequency of no-load state.

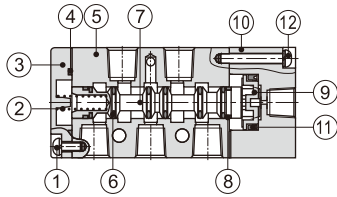
[Note4] Equivalent orifice S and Cv are all calculated from the flow rate data.

# Air valve(5/2 way, 5/3 way)

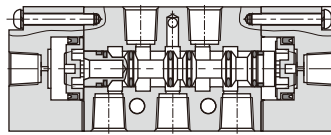
## 4A100 Series

### Inner structure

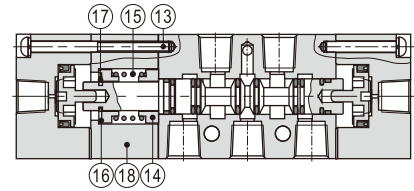
**4A110**



**4A120**



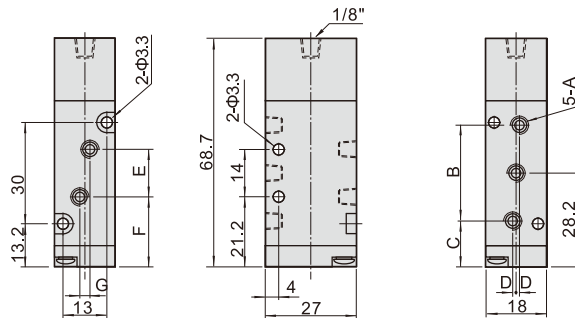
**4A130C**



| No. | Item   | No. | Item                | No. | Item   | No. | Item      | No. | Item       | No. | Item   | No. | Item          | No. | Item          | No. | Item       |
|-----|--------|-----|---------------------|-----|--------|-----|-----------|-----|------------|-----|--------|-----|---------------|-----|---------------|-----|------------|
| 1   | Screw  | 3   | Bottom cover        | 5   | Body   | 7   | Spool     | 9   | Piston     | 11  | O-ring | 13  | Screw         | 15  | Return Spring | 17  | E Clip     |
| 2   | Spring | 4   | Bottom cover gasket | 6   | O-ring | 8   | Wear ring | 10  | Pilot body | 12  | Screw  | 14  | Spring holder | 16  | Spring holder | 18  | Side cover |

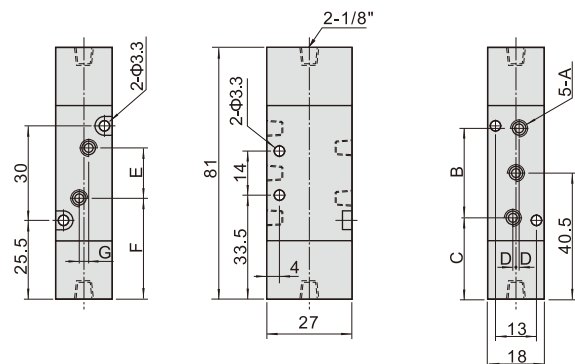
### Dimension

**4A110**



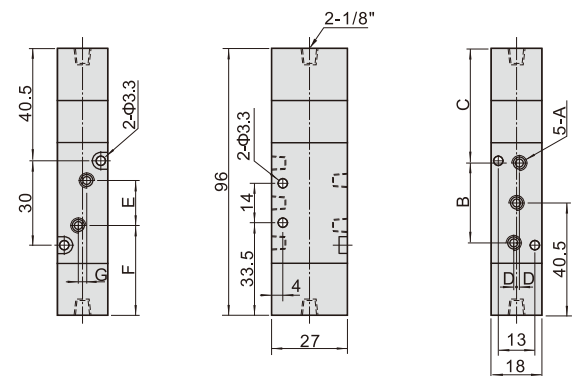
| Model\Item | A      | B  | C    | D | E  | F    | G |
|------------|--------|----|------|---|----|------|---|
| 4A110-M5   | M5x0.8 | 27 | 14.7 | 0 | 14 | 21.2 | 0 |
| 4A110-06   | 1/8"   | 28 | 14.2 | 1 | 16 | 20.2 | 3 |

**4A120**



| Model\Item | A      | B  | C    | D | E  | F    | G |
|------------|--------|----|------|---|----|------|---|
| 4A120-M5   | M5x0.8 | 27 | 27   | 0 | 14 | 33.5 | 0 |
| 4A120-06   | 1/8"   | 28 | 26.5 | 1 | 16 | 32.5 | 3 |

**4A130**



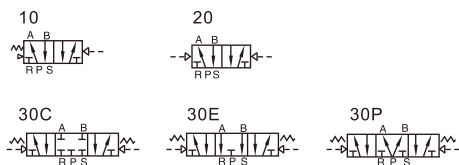
| Model\Item | A      | B  | C    | D | E  | F    | G |
|------------|--------|----|------|---|----|------|---|
| 4A130-M5   | M5x0.8 | 27 | 42   | 0 | 14 | 33.5 | 0 |
| 4A130-06   | 1/8"   | 28 | 41.5 | 1 | 16 | 32.5 | 3 |

# Air valve(5/2 way, 5/3 way)

## 4A200 Series



## Symbol



## Product feature

1. Structure in sliding column mode: good tightness and sensitive reaction.
2. Three position air valves have three kinds of central function for your choice.
3. Double air control valves have memory function.
4. Internal hole adopts special processing technology which has little attrition friction, low start pressure and long service life.
5. No need to add oil for lubrication.
6. Integrate with the manifold to save installation space.

## Ordering code

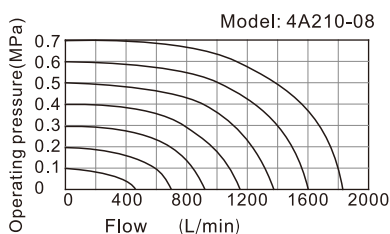
4A 2 10 08 □

① ② ③ ④ ⑤

| ① Model                     | ② Code        | ③ Valve type                                                                                                                                                                                                           | ④ Port size          | ⑤ Thread type               |
|-----------------------------|---------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|-----------------------------|
| 4A: Air Valve(5/2, 5/3 way) | 2: 200 Series | 10: Single air control 5/2 way<br>20: Double air control 5/2 way<br>30C: Double air control 5/3 way closed center<br>30E: Double air control 5/3 way exhaust center<br>30P: Double air control 5/3 way pressure center | 06: 1/8"<br>08: 1/4" | Blank: PT<br>G: G<br>T: NPT |

Please refer to 115 for manifold specification and the order way.

## Flow chart

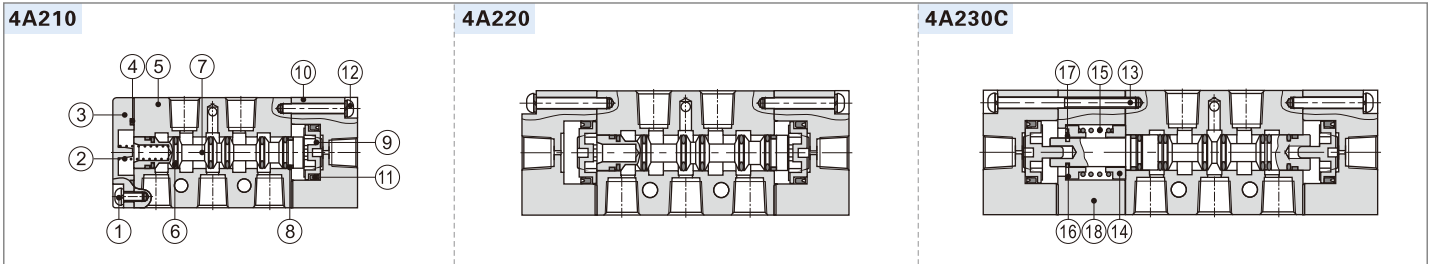


The data in flow rate chart are obtained from Airtac lab.

# Air valve(5/2 way, 5/3 way)

## 4A200 Series

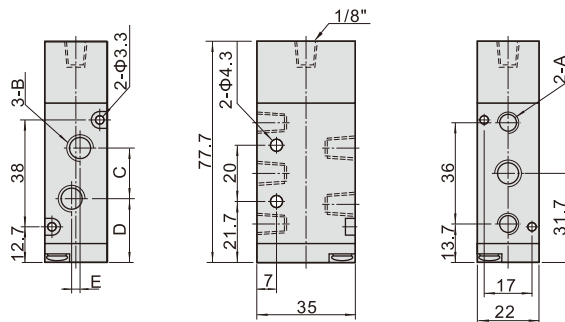
### Inner structure



| No. | Item   | No. | Item                | No. | Item   | No. | Item      | No. | Item       | No. | Item   | No. | Item          | No. | Item          | No. | Item       |
|-----|--------|-----|---------------------|-----|--------|-----|-----------|-----|------------|-----|--------|-----|---------------|-----|---------------|-----|------------|
| 1   | Screw  | 3   | Bottom cover        | 5   | Body   | 7   | Spool     | 9   | Piston     | 11  | O-ring | 13  | Screw         | 15  | Return Spring | 17  | E Clip     |
| 2   | Spring | 4   | Bottom cover gasket | 6   | O-ring | 8   | Wear ring | 10  | Pilot body | 12  | Screw  | 14  | Spring holder | 16  | Spring holder | 18  | Side cover |

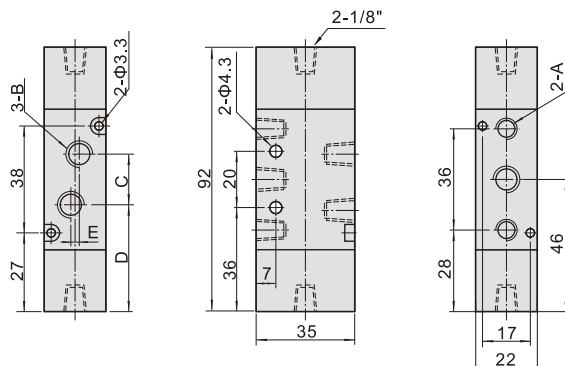
### Dimension

#### 4A210



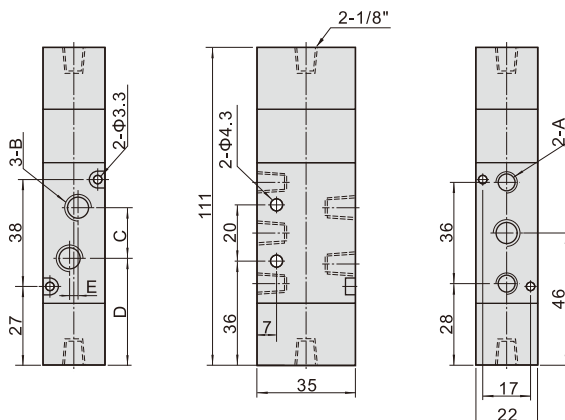
| Model\Item | A    | B    | C  | D    | E |
|------------|------|------|----|------|---|
| 4A210-06   | 1/8" | 1/8" | 18 | 22.7 | 0 |
| 4A210-08   | 1/8" | 1/4" | 21 | 21.2 | 3 |

#### 4A220



| Model\Item | A    | B    | C  | D    | E |
|------------|------|------|----|------|---|
| 4A220-06   | 1/8" | 1/8" | 18 | 37   | 0 |
| 4A220-08   | 1/8" | 1/4" | 21 | 35.5 | 3 |

#### 4A230



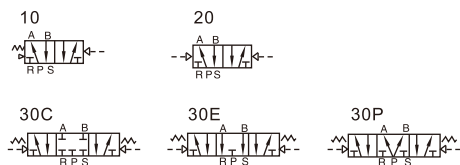
| Model\Item | A    | B    | C  | D    | E |
|------------|------|------|----|------|---|
| 4A230-06   | 1/8" | 1/8" | 18 | 37   | 0 |
| 4A230-08   | 1/8" | 1/4" | 21 | 35.5 | 3 |

# Air valve(5/2 way, 5/3 way)

## 4A300 Series



### Symbol



### Specification

| Model                       | 4A310-08<br>4A320-08                                                                       | 4A330C-08<br>4A330E-08<br>4A330P-08 | 4A310-10<br>4A320-10         | 4A330C-10<br>4A330E-10<br>4A330P-10 |
|-----------------------------|--------------------------------------------------------------------------------------------|-------------------------------------|------------------------------|-------------------------------------|
| Fluid                       | Air(to be filtered by 40 μ m filter element)                                               |                                     |                              |                                     |
| Acting                      | Exterior control                                                                           |                                     |                              |                                     |
| Port size [Note1]           | In=Out=Exhaust=1/4"                                                                        |                                     | In=Out=3/8" Exhaust=1/4"     |                                     |
| Orifice size(Cv)<br>[Note4] | 4A310-10,4A320-10:28.0mm <sup>2</sup> (Cv=1.65)<br>4A330C-10:21.3mm <sup>2</sup> (Cv=1.25) |                                     |                              |                                     |
| Valve type                  | 5 port 2 position                                                                          | 5 port 3 position                   | 5 port 2 position            | 5 port 3 position                   |
| Operating pressure          | 0.15~0.8MPa(21~114psi)                                                                     |                                     |                              |                                     |
| Proof pressure              | 1.2MPa(175psi)                                                                             |                                     |                              |                                     |
| Temperature                 | -20~70℃                                                                                    |                                     |                              |                                     |
| Material of body            | Aluminum alloy                                                                             |                                     |                              |                                     |
| Lubrication [Note2]         | Not required                                                                               |                                     |                              |                                     |
| Max. frequency [Note3]      | 4 cycle/sec                                                                                | 3 cycle/sec                         | 4 cycle/sec                  | 3 cycle/sec                         |
| Weight (g)                  | 4A310-08:275<br>4A320-08:365                                                               | 505                                 | 4A310-10:275<br>4A320-10:365 | 505                                 |

[Note1] PT thread, G thread and NPT thread are available.

[Note2] Once lubricated air is used, continue with same medium to optimise valve life span. Lubricants like ISO VG32 or equivalent are recommended.

[Note3] The maximum actuation frequency of no-load state.

[Note4] Equivalent orifice S and Cv are all calculated from the flow rate data.

### Product feature

1. Structure in sliding column mode: good tightness and sensitive reaction.
2. Three position air valves have three kinds of central function for your choice.
3. Double air control valves have memory function.
4. Internal hole adopts special processing technology which has little attrition friction, low start pressure and long service life.
5. No need to add oil for lubrication.
6. Integrate with the manifold to save installation space.

### Ordering code

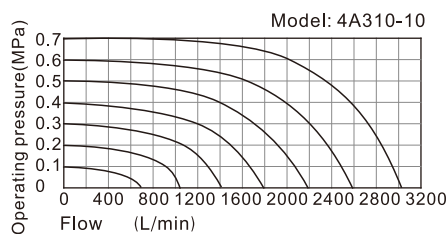
4A 3 10 10 □

① ② ③ ④ ⑤

| ① Model                     | ② Code        | ③ Valve type                                                                                                                                                                                                           | ④ Port size          | ⑤ Thread type               |
|-----------------------------|---------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|-----------------------------|
| 4A: Air Valve(5/2, 5/3 way) | 3: 300 Series | 10: Single air control 5/2 way<br>20: Double air control 5/2 way<br>30C: Double air control 5/3 way closed center<br>30E: Double air control 5/3 way exhaust center<br>30P: Double air control 5/3 way pressure center | 08: 1/4"<br>10: 3/8" | Blank: PT<br>G: G<br>T: NPT |

Please refer to 115 for manifold specification and the order way.

### Flow chart



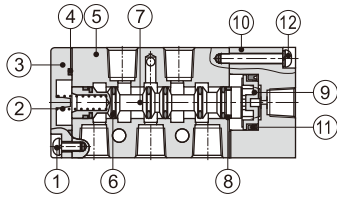
The data in flow rate chart are obtained from Airtac lab.

# Air valve(5/2 way, 5/3 way)

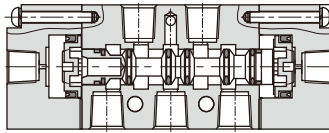
## 4A300 Series

### Inner structure

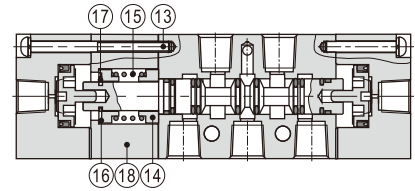
**4A310**



**4A320**



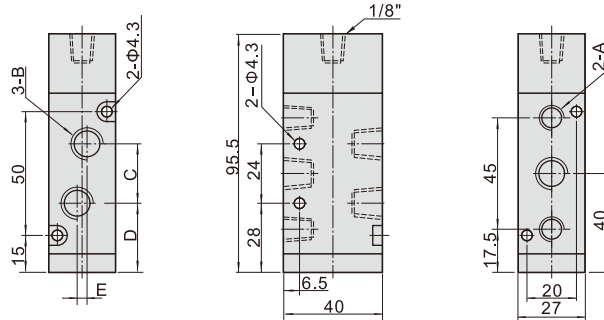
**4A330C**



| No. | Item   | No. | Item                | No. | Item   | No. | Item      | No. | Item       | No. | Item   | No. | Item          | No. | Item          | No. | Item       |
|-----|--------|-----|---------------------|-----|--------|-----|-----------|-----|------------|-----|--------|-----|---------------|-----|---------------|-----|------------|
| 1   | Screw  | 3   | Bottom cover        | 5   | Body   | 7   | Spool     | 9   | Piston     | 11  | O-ring | 13  | Screw         | 15  | Return Spring | 17  | E Clip     |
| 2   | Spring | 4   | Bottom cover gasket | 6   | O-ring | 8   | Wear ring | 10  | Pilot body | 12  | Screw  | 14  | Spring holder | 16  | Spring holder | 18  | Side cover |

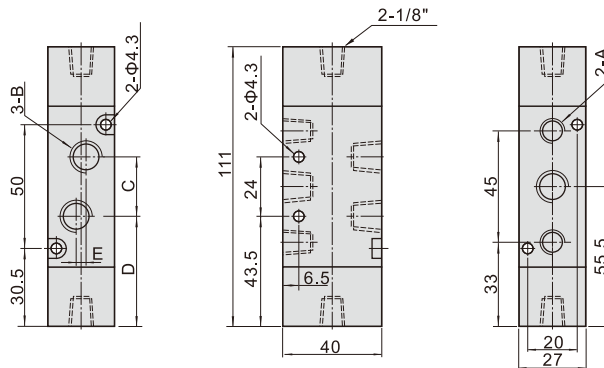
### Dimension

**4A310**



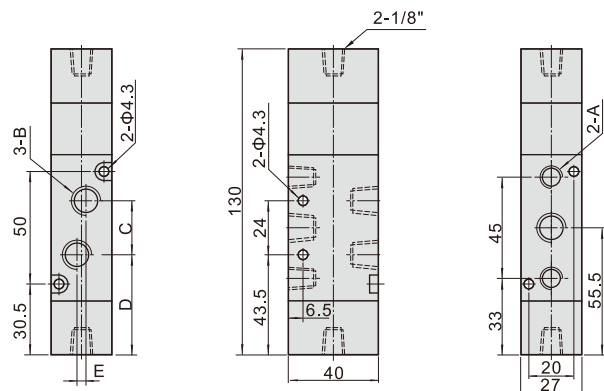
| Model\Item | A    | B    | C  | D  | E |
|------------|------|------|----|----|---|
| 4A310-08   | 1/4" | 1/4" | 22 | 29 | 0 |
| 4A310-10   | 1/4" | 3/8" | 24 | 28 | 4 |

**4A320**



| Model\Item | A    | B    | C  | D    | E |
|------------|------|------|----|------|---|
| 4A320-08   | 1/4" | 1/4" | 22 | 44.5 | 0 |
| 4A320-10   | 1/4" | 3/8" | 24 | 43.5 | 4 |

**4A330**



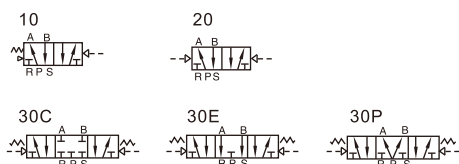
| Model\Item | A    | B    | C  | D    | E |
|------------|------|------|----|------|---|
| 4A330-08   | 1/4" | 1/4" | 22 | 44.5 | 0 |
| 4A330-10   | 1/4" | 3/8" | 24 | 43.5 | 4 |

# Air valve(5/2 way, 5/3 way)

## 4A400 Series



## Symbol



## Specification

| Model                       | 4A410-15                                                                                   | 4A420-15 | 4A430C-15         | 4A430E-15 | 4A430P-15 |
|-----------------------------|--------------------------------------------------------------------------------------------|----------|-------------------|-----------|-----------|
| Fluid                       | Air(to be filtered by 40 μ m filter element)                                               |          |                   |           |           |
| Acting                      | Exterior control                                                                           |          |                   |           |           |
| Port size [Note1]           | In=Out=Exhaust=1/2"                                                                        |          |                   |           |           |
| Orifice size(Cv)<br>[Note4] | 4A410-15,4A420-15:48.0mm <sup>2</sup> (Cv=2.82)<br>4A430C-15:40.0mm <sup>2</sup> (Cv=2.35) |          |                   |           |           |
| Valve type                  | 5 port 2 position                                                                          |          | 5 port 3 position |           |           |
| Operating pressure          | 0.15~0.8MPa(21~114psi)                                                                     |          |                   |           |           |
| Proof pressure              | 1.2MPa(175psi)                                                                             |          |                   |           |           |
| Temperature                 | -20~70 ℃                                                                                   |          |                   |           |           |
| Material of body            | Aluminum alloy                                                                             |          |                   |           |           |
| Lubrication [Note2]         | Not required                                                                               |          |                   |           |           |
| Max. frequency [Note3]      | 3 cycle/sec                                                                                |          |                   |           |           |
| Weight (g)                  | 555                                                                                        | 685      | 735               |           |           |

[Note1] PT thread, G thread and NPT thread are available.

[Note2] Once lubricated air is used, continue with same medium to optimise valve life span. Lubricants like ISO VG32 or equivalent are recommended.

[Note3] The maximum actuation frequency of no-load state.

[Note4] Equivalent orifice S and Cv are all calculated from the flow rate data.

## Product feature

1. Structure in sliding column mode: good tightness and sensitive reaction.
2. Three position air valves have three kinds of central function for your choice.
3. Double air control valves have memory function.
4. Internal hole adopts special processing technology which has little attrition friction, low start pressure and long service life.
5. No need to add oil for lubrication.
6. Integrate with the manifold to save installation space.

## Ordering code

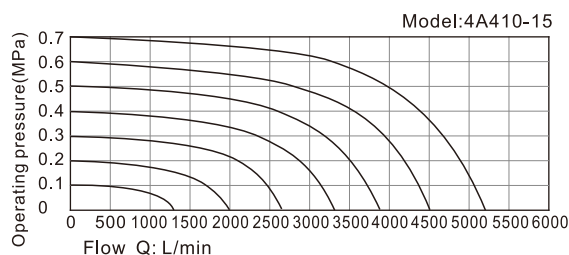
4A 4 10 15 □

① ② ③ ④ ⑤

| ① Model                     | ② Code        | ③ Valve type                                                                                                                                                                                                           | ④ Port size | ⑤ Thread type               |
|-----------------------------|---------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-----------------------------|
| 4A: Air Valve(5/2, 5/3 way) | 4: 400 Series | 10: Single air control 5/2 way<br>20: Double air control 5/2 way<br>30C: Double air control 5/3 way closed center<br>30E: Double air control 5/3 way exhaust center<br>30P: Double air control 5/3 way pressure center | 15: 1/2"    | Blank: PT<br>G: G<br>T: NPT |

Please refer to 115 for manifold specification and the order way.

## Flow chart

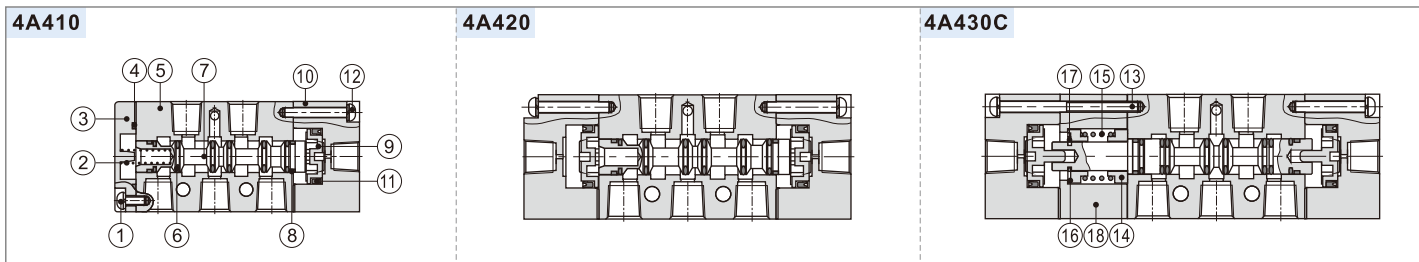


The data in flow rate chart are obtained from AirTAC lab.

# Air valve(5/2 way, 5/3 way)

## 4A400 Series

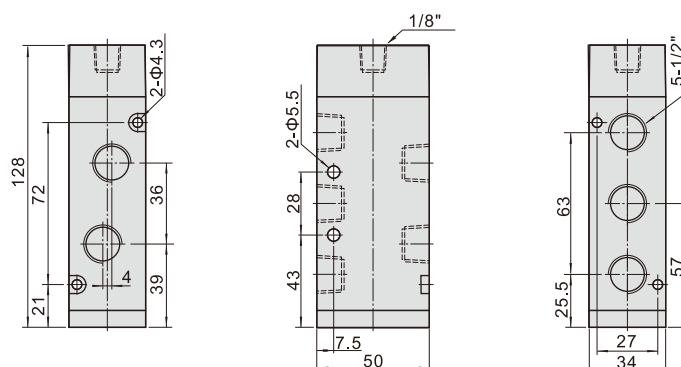
### Inner structure



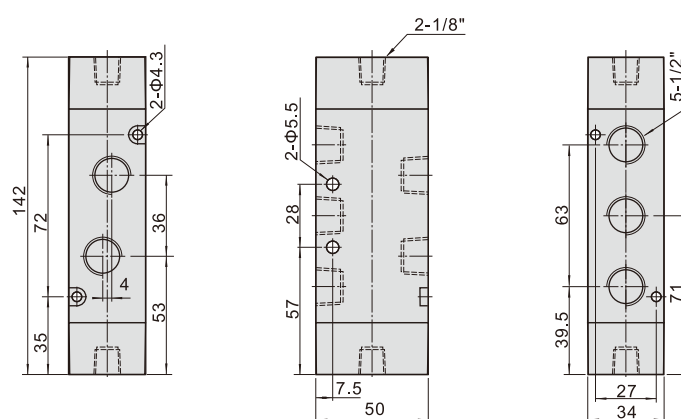
| No. | Item   | No. | Item                | No. | Item   | No. | Item      | No. | Item       | No. | Item   | No. | Item          | No. | Item          | No. | Item       |
|-----|--------|-----|---------------------|-----|--------|-----|-----------|-----|------------|-----|--------|-----|---------------|-----|---------------|-----|------------|
| 1   | Screw  | 3   | Bottom cover        | 5   | Body   | 7   | Spool     | 9   | Piston     | 11  | O-ring | 13  | Screw         | 15  | Return Spring | 17  | E Clip     |
| 2   | Spring | 4   | Bottom cover gasket | 6   | O-ring | 8   | Wear ring | 10  | Pilot body | 12  | Screw  | 14  | Spring holder | 16  | Spring holder | 18  | Side cover |

### Dimension

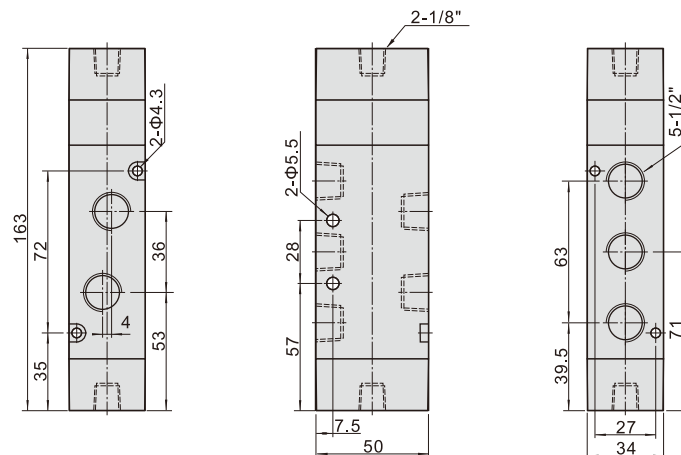
#### 4A410



#### 4A420



#### 4A430



## Manifold



### Specification

| Item\Manifold Model      | 100M                                         | 200M         | 300M         |
|--------------------------|----------------------------------------------|--------------|--------------|
| Fluid                    | Air(to be filtered by 40 μ m filter element) |              |              |
| Temperature              | -20~70℃                                      |              |              |
| Adoptable valve's series | 3A100 Series                                 | 3A200 Series | 3A300 Series |

### Product feature

1. It is available to integrate the direction control valves of the same series to form valve group to save space and cost;
2. It is easy to examine when there are faults owing to the unified air intake and exhaust and unified wiring;
3. Flexible combination and strong expansion capability can make any combination or expansion of the numbers of direction control valves that are connected.

### Ordering code

#### Ordering code for manifold

**3V100M 5F □**

① ② ③

| ① Model                     | ② Number of stations | ③ Thread type               |
|-----------------------------|----------------------|-----------------------------|
| 3V100M: 100 Series Manifold | 1F: 1 Station        | Blank: PT<br>G: G<br>T: NPT |
| 3V200M: 200 Series Manifold | 2F: 2 Station        |                             |
| 3V300M: 300 Series Manifold | 3F: 3 Station        |                             |
|                             | .....                |                             |
|                             | 16F: 16 Station      |                             |

#### Ordering code for blank plate

**P-3V100M-R2**

① ② ③

| ① Kits code | ② Model                                                                                   | ③ Code                       |
|-------------|-------------------------------------------------------------------------------------------|------------------------------|
| P: Kits     | 3V100M: 100 Series Manifold<br>3V200M: 200 Series Manifold<br>3V300M: 300 Series Manifold | R2: Blank plate for manifold |

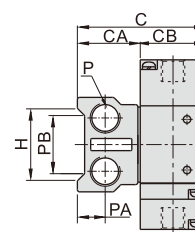
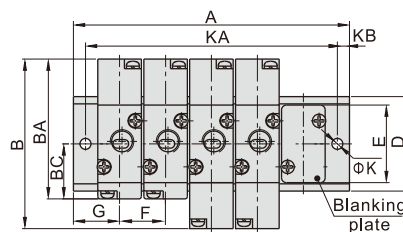
[Note] 1. Ordering code contains the two parts of the manifold's and the blank plate's.

2. Manifold kits contains manifold, seal and screw.

3. Blank plate kits contains blank plate, and screw.

### Dimensions

#### With 3A air valve

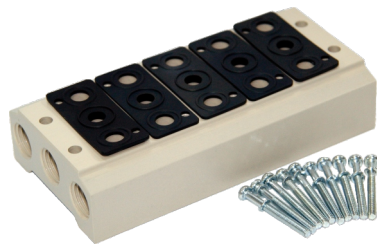


| Model\Item | B  | BA   | BC   | C  | CA | CB | D  | E  | F  | G  | H  | K   | KB | P    | PA   | PB |
|------------|----|------|------|----|----|----|----|----|----|----|----|-----|----|------|------|----|
| 3V100M     | 70 | 57.7 | 22.7 | 53 | 26 | 27 | 39 | 32 | 19 | 19 | 30 | 4.5 | 5  | 1/4" | 11.5 | 22 |
| 3V200M     | 84 | 69.7 | 27.7 | 61 | 26 | 35 | 45 | 40 | 23 | 23 | 35 | 4.5 | 6  | 1/4" | 11.5 | 25 |
| 3V300M     | 96 | 80.5 | 32.5 | 70 | 30 | 40 | 52 | 47 | 28 | 27 | 42 | 4.5 | 6  | 3/8" | 13.5 | 28 |

| Model\Item | A  |    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|------------|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
|            | 1F | 2F | 3F  | 4F  | 5F  | 6F  | 7F  | 8F  | 9F  | 10F | 11F | 12F | 13F | 14F | 15F | 16F |
| 3V100M     | 38 | 57 | 76  | 95  | 114 | 133 | 152 | 171 | 190 | 209 | 228 | 247 | 266 | 285 | 304 | 323 |
| 3V200M     | 46 | 69 | 92  | 115 | 138 | 161 | 184 | 207 | 230 | 253 | 276 | 299 | 322 | 345 | 368 | 391 |
| 3V300M     | 54 | 82 | 110 | 138 | 166 | 194 | 222 | 250 | 278 | 306 | 334 | 362 | 390 | 418 | 446 | 474 |

| Model\Item | KA |    |    |     |     |     |     |     |     |     |     |     |     |     |     |     |
|------------|----|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
|            | 1F | 2F | 3F | 4F  | 5F  | 6F  | 7F  | 8F  | 9F  | 10F | 11F | 12F | 13F | 14F | 15F | 16F |
| 3V100M     | 28 | 47 | 66 | 85  | 104 | 123 | 142 | 161 | 180 | 199 | 218 | 237 | 256 | 275 | 294 | 313 |
| 3V200M     | 34 | 57 | 80 | 103 | 126 | 149 | 172 | 195 | 218 | 241 | 264 | 287 | 310 | 333 | 356 | 379 |
| 3V300M     | 42 | 70 | 98 | 126 | 154 | 182 | 210 | 238 | 266 | 294 | 322 | 350 | 378 | 406 | 434 | 462 |

## Manifold



### Specification

| Item\Manifold Model      | 100M                                        | 200M         | 300M         | 400M         |
|--------------------------|---------------------------------------------|--------------|--------------|--------------|
| Fluid                    | Air(to be filtered by 40 μm filter element) |              |              |              |
| Temperature              | -20~70℃                                     |              |              |              |
| Adoptable valve's series | 4A100 Series                                | 4A200 Series | 4A300 Series | 4A400 Series |

### Product feature

1. It is available to integrate the direction control valves of the same series to form valve group to save space and cost;
2. It is easy to examine when there are faults owing to the unified air intake and exhaust and unified wiring;
3. Flexible combination and strong expansion capability can make any combination or expansion of the numbers of direction control valves that are connected.

### Ordering code

#### Ordering code for manifold

100M 5F □

① ② ③

| ① Model                                                                                                          | ② Number of stations [Note1]                                                | ③ Thread type               |
|------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------|-----------------------------|
| 100M: 100 Series Manifold<br>200M: 200 Series Manifold<br>300M: 300 Series Manifold<br>400M: 400 Series Manifold | 1F: 1 Station<br>2F: 2 Station<br>3F: 3 Station<br>.....<br>16F: 16 Station | Blank: PT<br>G: G<br>T: NPT |

[Note1] 100M, 200M series have a maximum of 16 stations ; 300M series have a maximum of 12 stations; 400M series have a maximum of 8 stations.

#### Ordering code for blank plate

P-100M-R2

① ② ③

| ① Kits code | ② Model                                                                                                          | ③ Code                       |
|-------------|------------------------------------------------------------------------------------------------------------------|------------------------------|
| P: Kits     | 100M: 100 Series Manifold<br>200M: 200 Series Manifold<br>300M: 300 Series Manifold<br>400M: 400 Series Manifold | R2: Blank plate for manifold |

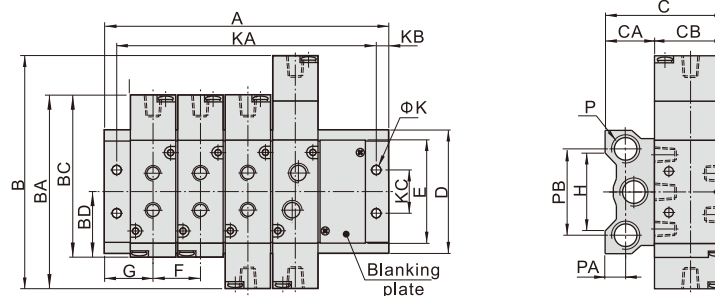
[Note] 1. Ordering code contains the two parts of the manifold's and the blank plate's.

2. Manifold kits contains manifold, seal and screw.

3. Blank plate kits contains blank plate, and screw.

### Dimension

#### With 4A air valve



| Model\Item | B   | BA  | BC   | BD   | C  | CA | CB | D    | E  | F  | G    | H  | K   | KB | KC | P    | PA   | PB |
|------------|-----|-----|------|------|----|----|----|------|----|----|------|----|-----|----|----|------|------|----|
| 100M□F     | 96  | 81  | 68.7 | 28   | 49 | 22 | 27 | 57.5 | 43 | 19 | 19   | 36 | 4.5 | 5  | 20 | 1/4" | 10   | 40 |
| 200M□F     | 111 | 92  | 77.7 | 31.7 | 59 | 24 | 35 | 60   | 52 | 23 | 22   | 38 | 4.5 | 5  | 21 | 1/4" | 10   | 42 |
| 300M□F     | 130 | 111 | 95.5 | 40   | 68 | 28 | 40 | 75   | 64 | 28 | 26   | 54 | 4.5 | 5  | 26 | 3/8" | 13.5 | 53 |
| 400M□F     | 163 | 142 | 128  | 57   | 83 | 33 | 50 | 100  | 94 | 35 | 30.5 | 75 | 5.5 | 6  | 32 | 1/2" | 15   | 68 |

| Model\Item | A  |    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|------------|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
|            | 1F | 2F | 3F  | 4F  | 5F  | 6F  | 7F  | 8F  | 9F  | 10F | 11F | 12F | 13F | 14F | 15F | 16F |
| 100M□F     | 38 | 57 | 76  | 95  | 114 | 133 | 152 | 171 | 190 | 209 | 228 | 247 | 266 | 285 | 304 | 323 |
| 200M□F     | 44 | 67 | 90  | 113 | 136 | 159 | 182 | 205 | 228 | 251 | 274 | 297 | 320 | 343 | 366 | 389 |
| 300M□F     | 52 | 80 | 108 | 136 | 164 | 192 | 220 | 248 | 276 | 304 | 332 | 360 | -   | -   | -   | -   |
| 400M□F     | 61 | 96 | 131 | 166 | 201 | 236 | 271 | 306 | -   | -   | -   | -   | -   | -   | -   | -   |

| Model\Item | KA |    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|------------|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
|            | 1F | 2F | 3F  | 4F  | 5F  | 6F  | 7F  | 8F  | 9F  | 10F | 11F | 12F | 13F | 14F | 15F | 16F |
| 100M□F     | 28 | 47 | 66  | 85  | 104 | 123 | 142 | 161 | 180 | 199 | 218 | 237 | 256 | 275 | 294 | 313 |
| 200M□F     | 34 | 57 | 80  | 103 | 126 | 149 | 172 | 195 | 218 | 241 | 264 | 287 | 310 | 333 | 356 | 379 |
| 300M□F     | 42 | 70 | 98  | 126 | 154 | 182 | 210 | 238 | 266 | 294 | 322 | 350 | -   | -   | -   | -   |
| 400M□F     | 49 | 84 | 119 | 154 | 189 | 224 | 259 | 294 | -   | -   | -   | -   | -   | -   | -   | -   |