

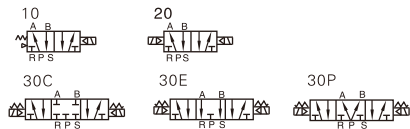
## 4V400电磁阀



### 规格

| 型号        | 4V410-15                                                                                   | 4V420-15 | 4V430C-15 | 4V430E-15 | 4V430P-15 |
|-----------|--------------------------------------------------------------------------------------------|----------|-----------|-----------|-----------|
| 工作介质      | 空气(经40 μm以上滤网过滤)                                                                           |          |           |           |           |
| 作动方式      | 内部引导式或外部引导式                                                                                |          |           |           |           |
| 接管口径      | 进气=出气=排气=PT1/2                                                                             |          |           |           |           |
| 有效截面积(Cv) | 4V410-15,4V420-15:48.0mm <sup>2</sup> (Cv=2.82)<br>4V430C-15:40.0mm <sup>2</sup> (Cv=2.35) |          |           |           |           |
| 位置数       | 五口二位                                                                                       |          |           | 五口三位      |           |
| 使用压力范围    | 0.15~0.8MPa(21~114psi)                                                                     |          |           |           |           |
| 保证耐压力     | 1.2MPa(175psi)                                                                             |          |           |           |           |
| 工作温度      | -20~70℃                                                                                    |          |           |           |           |
| 本体材质      | 铝合金                                                                                        |          |           |           |           |
| 润滑        | 不需要                                                                                        |          |           |           |           |
| 最高作动频率    | 3次/秒                                                                                       |          |           |           |           |
| 重量 (g)    | 590                                                                                        | 720      | 770       |           |           |

### 符号



### 产品特性

- 1、先导方式：内部引导式或外部引导式可选；
- 2、滑柱式结构，密封性好，反应灵敏；
- 3、三位置电磁阀有三种中央功能可供选择；
- 4、双头二位置电磁阀具有记忆功能；
- 5、内孔采用特殊工艺加工，磨擦阻力小，启动气压低，使用寿命长；
- 6、无需加油润滑；
- 7、可与底座集成阀组，节省安装空间；
- 8、附设手动装置，利于安装调试；
- 9、有多种标准电压等级可供选用。

### 成品订购码

| 4V 4 10 15 A □ □ - W    |          |                                                                                      |          |                                                |                      |                             |                                                           |
|-------------------------|----------|--------------------------------------------------------------------------------------|----------|------------------------------------------------|----------------------|-----------------------------|-----------------------------------------------------------|
| ① 规格代号                  | ② 系列代号   | ③ 电控方式                                                                               | ④ 接管口径   | ⑤ 标准电压                                         | ⑥ 接电方式               | ⑦ 牙型代码                      | ⑧ 引导方式                                                    |
| 4V: 五口二位<br>五口三位<br>电磁阀 | 4: 400系列 | 10: 双位置单电控<br>20: 双位置双电控<br>30C: 三位置双电控中位封闭型<br>30E: 三位置双电控中位排气型<br>30P: 三位置双电控中位压力型 | 15: 1/2" | A: AC220V<br>B: DC24V<br>C: AC110V<br>F: DC12V | 空白: DIN插座式<br>I: 出线式 | 空白: PT牙<br>G: G牙<br>T: NPT牙 | 空白: 内部引导式<br>W: 外部引导式<br><br>此处无外部引导孔<br>此处有M5规格<br>外部引导孔 |

### 电性能参数

| 项目     | 具体参数              |        |       |       |       |
|--------|-------------------|--------|-------|-------|-------|
| 标准电压   | AC220V            | AC110V | AC24V | DC24V | DC12V |
| 使用电压范围 | AC: ±15% DC: ±10% |        |       |       |       |
| 耗电量    | 4.5VA             | 4.5VA  | 5.0VA | 3.0W  | 2.5W  |
| 保护等级   | IP65(DIN40050)    |        |       |       |       |
| 耐热等级   | B 级               |        |       |       |       |
| 接电型式   | DIN插座式、出线式        |        |       |       |       |
| 励磁时间   | 0.05秒以下           |        |       |       |       |

Technical drawing of the M5X0.8 (M5) plug type connector, showing three views: front, side, and top.

**Front View Dimensions:**

- Overall width: 21
- Overall height: 72
- Bottom flange width: 39
- Mounting hole diameter:  $2-\Phi 4.3$
- Internal hole diameter:  $\Phi 4$
- Thread specification: M5X0.8 (M5) 密封型 (Sealed type)

**Side View Dimensions:**

- Overall length: 168.4
- Distance from left edge to mounting hole: 43
- Mounting hole diameter:  $2-\Phi 5.5$
- Plug height: 74
- Distance from mounting hole to right edge: 40
- Plug diameter:  $\Phi 2.8$
- Overall width: 50
- Bottom flange width: 17.5
- Label: 手动销 (Manual pin)

**Top View Dimensions:**

- Overall width: 63
- Distance from left edge to mounting hole: 25.5
- Central slot width: 27
- Distance from mounting hole to right edge: 57
- Bottom flange width: 34
- Label: 5-PT1/2

Technical drawing of a three-position, three-way manual valve, showing three views: front view, side view, and end view.

**Front View Dimensions:**

- Total length: 168.4
- Port diameter:  $2-\phi 5.5$
- Handle diameter:  $2-\phi 4.3$
- Port spacing: 43, 28, 43
- Port diameter:  $2-\phi 5.5$
- Handle diameter:  $2-\phi 4.3$
- Port spacing: 43, 28, 43
- Port diameter:  $2-\phi 5.5$
- Handle diameter:  $2-\phi 4.3$

**Side View Dimensions:**

- Total height: 63
- Port diameter:  $2-\phi 4.3$
- Port spacing: 25.5, 27, 27, 25.5
- Port diameter:  $2-\phi 4.3$
- Port spacing: 25.5, 27, 27, 25.5
- Port diameter:  $2-\phi 4.3$
- Port spacing: 25.5, 27, 27, 25.5
- Port diameter:  $2-\phi 4.3$
- Port spacing: 25.5, 27, 27, 25.5

**End View Dimensions:**

- Total width: 50
- Port diameter:  $2-\phi 4.3$
- Port spacing: 27, 34, 27
- Port diameter:  $2-\phi 4.3$
- Port spacing: 27, 34, 27
- Port diameter:  $2-\phi 4.3$
- Port spacing: 27, 34, 27
- Port diameter:  $2-\phi 4.3$
- Port spacing: 27, 34, 27

Labels: 手动阀 (Manual Valve), 5-PT11/2

Technical drawing of the MEX0.8 (external gas type) gas valve assembly, showing three views: front, side, and top. The front view shows a vertical assembly with a main body diameter of 2-Φ4.3 and a total height of 243.8. The side view shows a horizontal assembly with a main body diameter of 2-Φ5.5 and a total height of 134. The top view shows a circular assembly with a diameter of 50 and a total width of 74. Dimensions are given in millimeters.

Technical drawing of the 5-PT112 pneumatic cylinder, showing three views: front view, side view, and end view.

**Front View Dimensions:**

- Total length: 243.8
- Mounting bracket height: 44
- Body diameter: 44
- Mounting bracket width: 2.8
- Mounting bracket hole diameter: 2- $\Phi$ 4.3
- Mounting bracket hole offset: 4.5
- Mounting bracket hole diameter: 4
- Mounting bracket hole offset: 36
- Mounting bracket hole diameter: 75.4
- Mounting bracket hole offset: 93.4
- Mounting bracket hole diameter: 72
- Mounting bracket hole offset: 4
- Mounting bracket hole diameter: 17.5
- Mounting bracket hole offset: 50

**Side View Dimensions:**

- Total length: 243.8
- Mounting bracket height: 44
- Body diameter: 44
- Mounting bracket width: 2.8
- Mounting bracket hole diameter: 2- $\Phi$ 4.3
- Mounting bracket hole offset: 4.5
- Mounting bracket hole diameter: 4
- Mounting bracket hole offset: 36
- Mounting bracket hole diameter: 75.4
- Mounting bracket hole offset: 93.4
- Mounting bracket hole diameter: 72
- Mounting bracket hole offset: 4
- Mounting bracket hole diameter: 17.5
- Mounting bracket hole offset: 50

**End View Dimensions:**

- Total length: 243.8
- Mounting bracket height: 44
- Body diameter: 44
- Mounting bracket width: 2.8
- Mounting bracket hole diameter: 2- $\Phi$ 4.3
- Mounting bracket hole offset: 4.5
- Mounting bracket hole diameter: 4
- Mounting bracket hole offset: 36
- Mounting bracket hole diameter: 75.4
- Mounting bracket hole offset: 93.4
- Mounting bracket hole diameter: 72
- Mounting bracket hole offset: 4
- Mounting bracket hole diameter: 17.5
- Mounting bracket hole offset: 50