

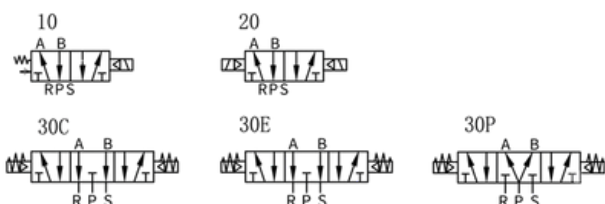
# 4V200 Series Solenoid Valve (5/2 Way, 5/3 Way)



## Product Features

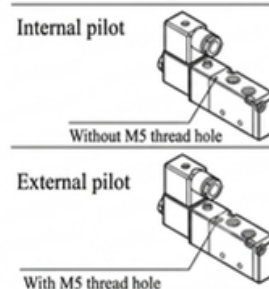
1. Pilot-oriented mode: Internal pilot or external pilot.
2. Structure in sliding column mode: good tightness and sensitive reaction.
3. Three position solenoid valves have three kinds of central function for your choice.
4. Double control solenoid valves have memory function.
5. Internal hole adopts special processing technology which has little attrition friction, low start pressure and long service life.
6. No need to add oil for lubrication.
7. It is available to form integrated valve group with the base to save installation space.
8. Affiliated manual devices are equipped to facilitate installation and debugging.
9. Several standard voltage grades are optional.

## SYMBOL



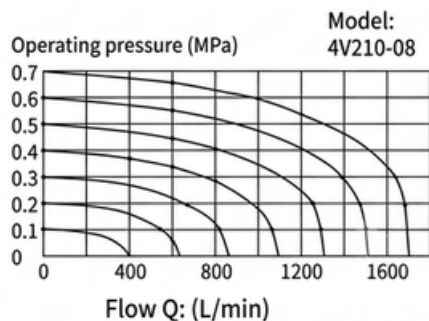
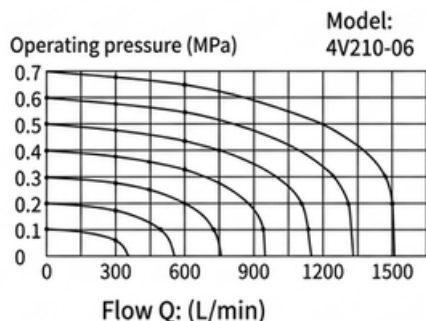
## ORDERING CODE

| 4V          | 2          | 10                                          | 08        | A                |             |     | - | W              |
|-------------|------------|---------------------------------------------|-----------|------------------|-------------|-----|---|----------------|
| Model       |            | Valve type                                  | Port size | Electrical entry |             |     |   | Pilot type     |
| 4V          |            | 10 Single solenoid 5/2 way                  | 06 1/8    | Blank            | Terminal    |     |   | Internal pilot |
|             |            | 20 Double solenoid 5/2 way                  | 08 1/4    | 1                | Grommet     |     |   |                |
| Series code |            | 30C Double solenoid 5/3 way closed center   | Voltage   |                  | Thread type |     |   |                |
| Series code |            | 30E Double solenoid 5/3 way exhaust center  | A AC220V  |                  | Blank       | PT  |   |                |
| 2           | 200 Series | 30P Double solenoid 5/3 way pressure center | B DC24V   |                  | G           | G   |   | External pilot |
|             |            |                                             | C AC110V  |                  | T           | NPT |   |                |
|             |            |                                             | E AC24V   |                  |             |     |   |                |
|             |            |                                             | F DC12V   |                  |             |     |   |                |



## COIL SPECIFICATIONS

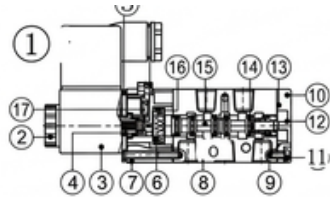
| Item                       | Specifications                |         |        |        |        |
|----------------------------|-------------------------------|---------|--------|--------|--------|
| Standard voltage           | AC 220V                       | AC 110V | AC 24V | DC 24V | DC 12V |
| Voltage range              | AC: $\pm 15\%$ DC: $\pm 10\%$ |         |        |        |        |
| Power consumption          | 4.5VA                         | 4.5VA   | 5.0VA  | 3.0W   | 3.0W   |
| Protection                 | IP65 (DIN40050)               |         |        |        |        |
| Temperature classification | Class B                       |         |        |        |        |
| Electrical entry           | DIN terminal, Grommet         |         |        |        |        |
| Activating time            | $\leq 0.05$ sec               |         |        |        |        |



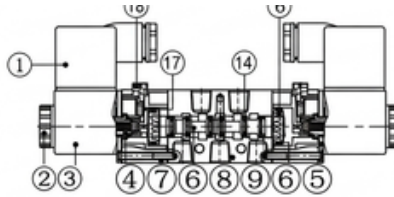
# 4V200 Series Solenoid Valve (5/2 Way, 5/3 Way)

## INNER STRUCTURE

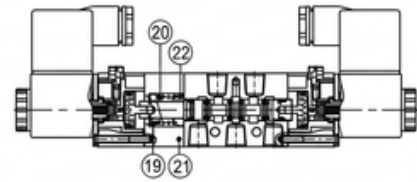
4V210



4V220



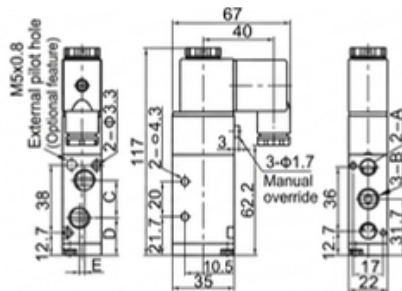
4V230C



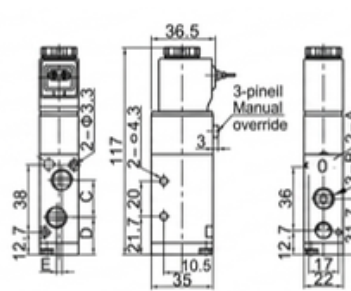
| No. | Item      | No. | Item        | No. | Item         | No. | Item                | No. | Item          | No. | Item          |
|-----|-----------|-----|-------------|-----|--------------|-----|---------------------|-----|---------------|-----|---------------|
| 1   | Connector | 5   | Fixed plate | 9   | Wear ring    | 13  | Bottom cover gasket | 17  | Reset spring  | 21  | Side cover    |
| 2   | Coil nut  | 6   | Piston      | 10  | Bottom cover | 14  | Spool O ring        | 18  | Manual reset  | 22  | Spring holder |
| 3   | Coil      | 7   | Pilot kit   | 11  | Fixed screw  | 15  | Spool               | 19  | Spring holder |     |               |
| 4   | Armature  | 8   | Body        | 12  | Spool spring | 16  | Piston O ring       | 20  | Return spring |     |               |

## DIMENSIONS

4V230 (Terminal)

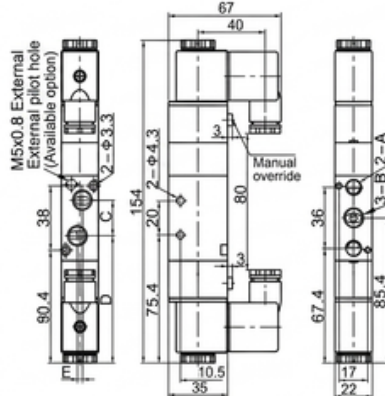


4V230 (Grommet)

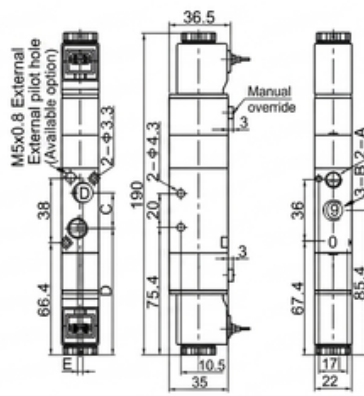


| Model    | Item | A    | B    | C    | D  | D    | E |
|----------|------|------|------|------|----|------|---|
| 4V210-06 |      | 1/8" | 1/8" | 1/8" | 18 | 22.7 | 0 |
| 4V210-08 |      | 1/8" | 1/8" | 1/4" | 21 | 21.2 | 3 |

4V230 (Terminal)

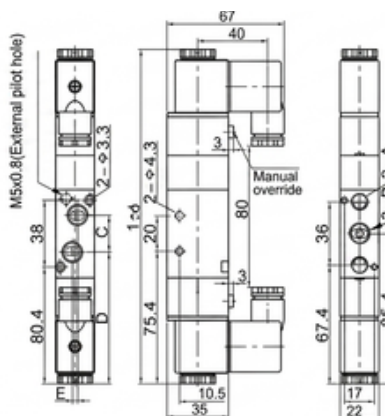


4V230 (Grommet)

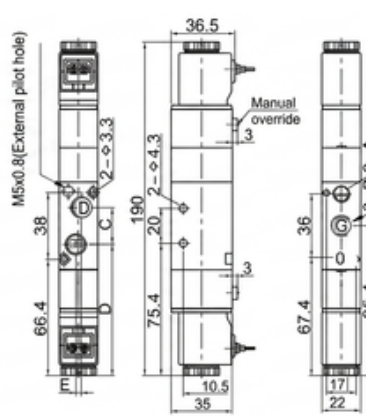


| Model    | Item | A    | B    | C  | D    | E |
|----------|------|------|------|----|------|---|
| 4V230-06 |      | 1/8" | 1/8" | 18 | 76.4 | 0 |
| 4V230-08 |      | 1/8" | 1/4" | 21 | 74.9 | 3 |

4V230 (Terminal)



4V230 (Grommet)



| Item/Model | A    | B    | C  | D    | E |
|------------|------|------|----|------|---|
| 4V230-06   | 1/8" | 1/8" | 18 | 76.4 | 0 |
| 4V230-08   | 1/8" | 1/4" | 21 | 74.9 | 3 |