

# Control valve(3/2 way)

## ZM3 Series

**AIRTAC**

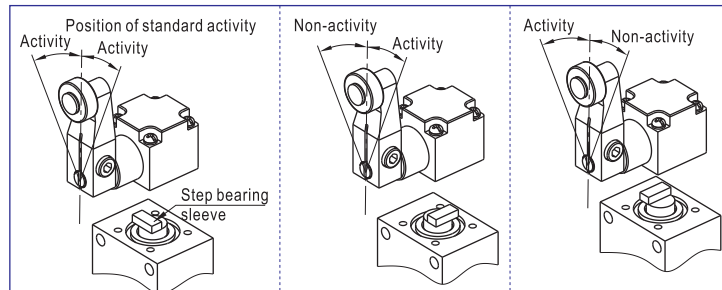


### Symbol

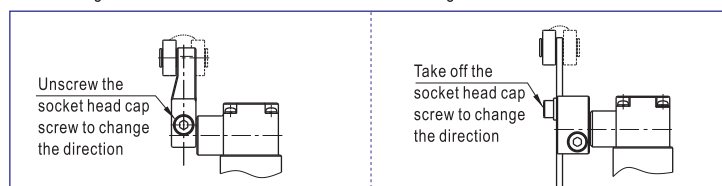


### Product feature

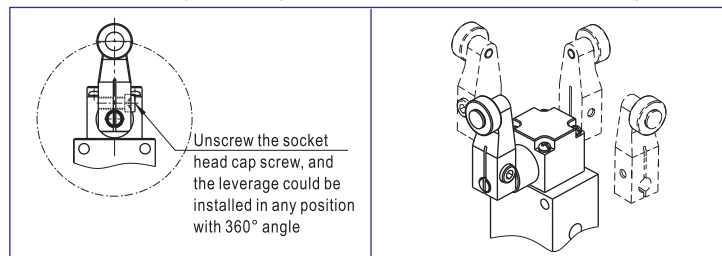
1. The activity direction could be changed(Only adapt to standard type, large angle type unavailable)



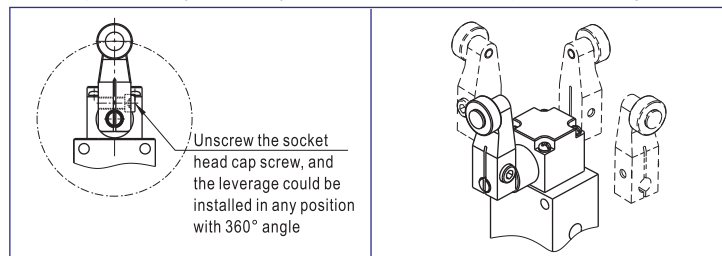
2. The rolling wheel could be installed at the inside of leverage



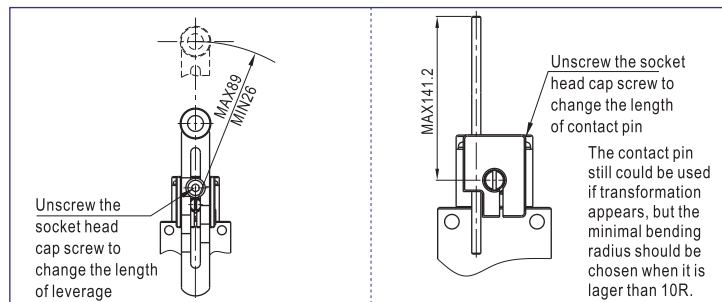
3. Installation position of leverage could be changed



4. Direction of head part could be changed



5. Length of contact pin could be changed

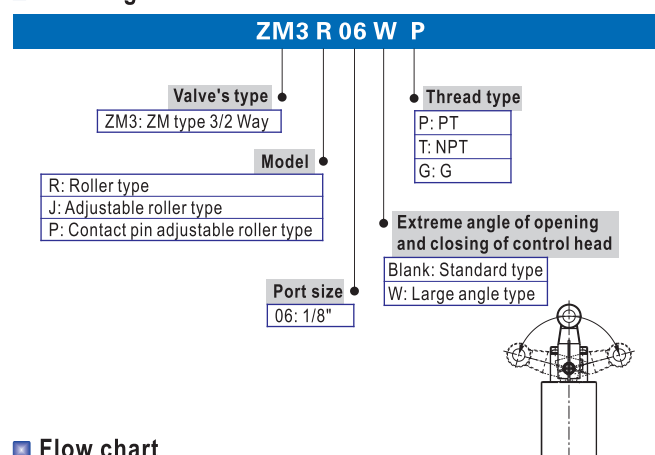


### Specification

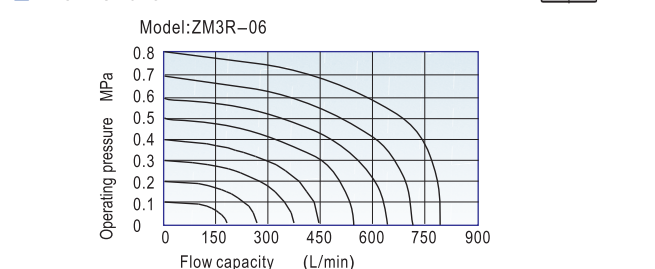
| Model                    | ZM3R                                              | ZM3J | ZM3P |
|--------------------------|---------------------------------------------------|------|------|
| Operating                | External control direct acting type               |      |      |
| Fluid                    | Air (to be filtered by 40 $\mu$ m filter element) |      |      |
| Pressure range           | -0.1~1.0MPa(-1~10bar)(-15~114psi)                 |      |      |
| Proof pressure           | 1.5MPa(15bar)(215psi)                             |      |      |
| Temperature              | -20~70 $^{\circ}$ C                               |      |      |
| Valve type               | 3/2 Way                                           |      |      |
| Orifice size             | 6.0mm <sup>2</sup> (Cv=0.34)                      |      |      |
| Port size <sup>①</sup>   | 1/8"                                              |      |      |
| Lubrication <sup>②</sup> | Not required                                      |      |      |
| Material body            | Aluminum alloy                                    |      |      |

- ① PT thread, NPT thread and G thread are available.
- ② Once lubricated air is used, continue with same medium to optimise valve life span. It is suggested to use ISO VG32 lubricant or the oil with the same grade.

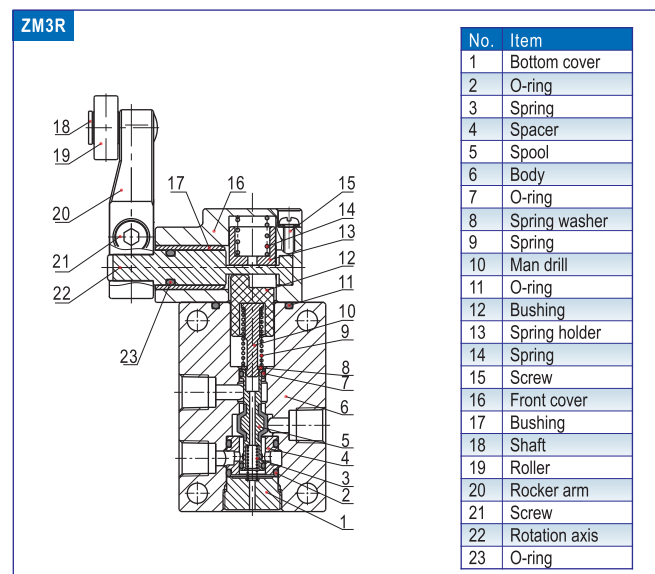
### Ordering code



### Flow chart



### Inner structure



**ZM3**

Control valve(3/2 way)

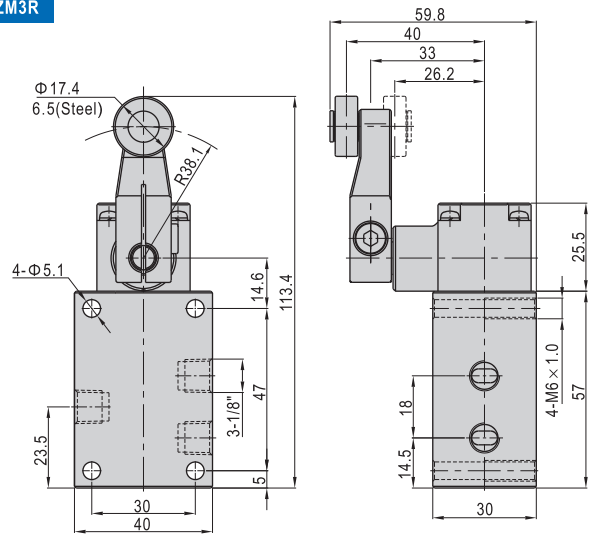


ZM3 Series

■ Dimensions

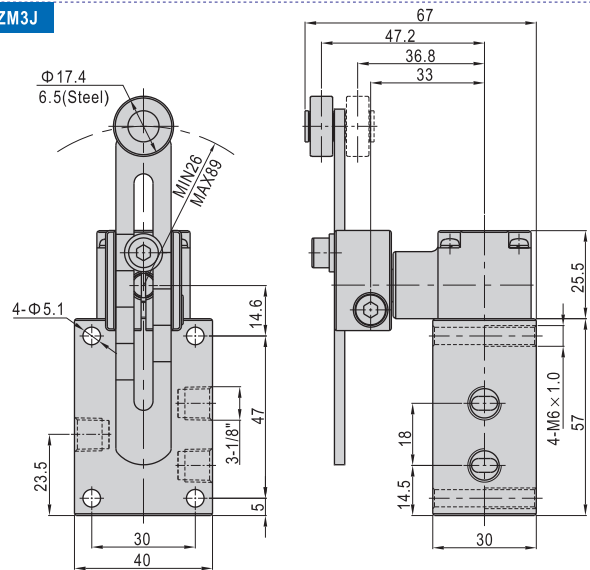


ZM3R



| Item\Model | ZM3R06 | ZM3R06-W |
|------------|--------|----------|
| F.O.F      | 20N    | 20N      |
| P.T.       | 20°    | 25°      |
| O.T.       | 30°    | 50°      |
| T.T.       | 50°    | 75°      |

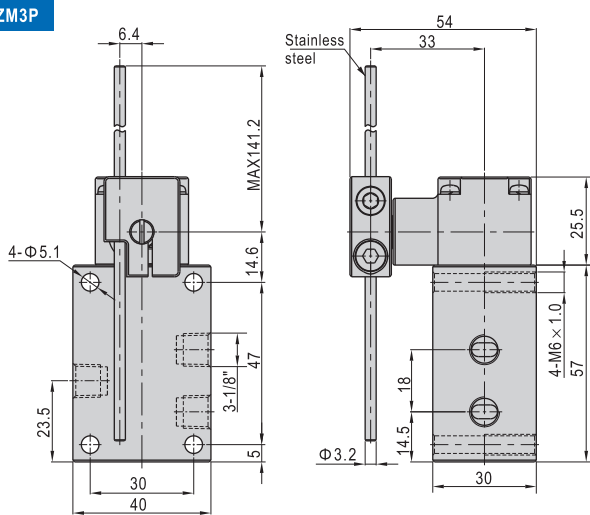
ZM3J



| Item\Model | ZM3J06 | ZM3J06-W |
|------------|--------|----------|
| F.O.F.①    | 20N    | 20N      |
| P.T.       | 20°    | 25°      |
| O.T.       | 30°    | 50°      |
| T.T.       | 50°    | 75°      |

\* When the length of leverage is 38.1mm

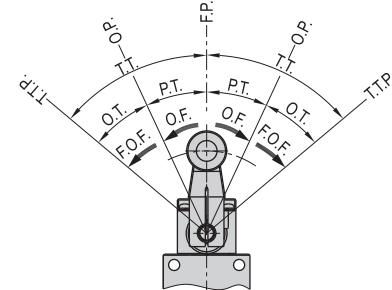
ZM3P



| Item\Model | ZM3P06 | ZM3P06-W |
|------------|--------|----------|
| F.O.F.①    | 2.3N   | 2.3N     |
| P.T.       | 20°    | 25°      |
| O.T.       | 30°    | 50°      |
| T.T.       | 50°    | 75°      |

\* When the length of leverage is 141.2mm

Description of symbol



- F.P. Free position: the position of control head when no external force applied;
- O.P. Activity position: the position when the control head is applied with external force and the valve is switched;
- T.T.P. Extreme position of actuation: position of control head when it is pushed until end position;
- O.F. Actuation power: when driving from free position to actuation position, the operation power applied on control head;
- F.O.F. Extreme actuation power: when driving from free position to extreme actuation position, the operation power applied on control head;
- P.T. Free route: movement distance or rotation angle from free position of control head to actuation position;
- O.T. Actuation route: movement distance or rotation angle from actuation position of control head to extreme actuation position;
- T.T. Total route: movement distance or rotation angle from free position of control head to extreme actuation position;

