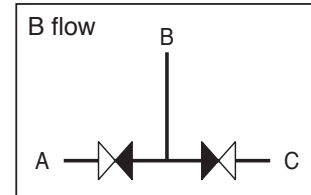
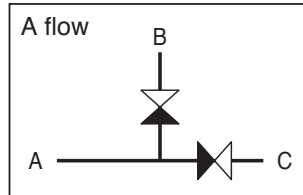
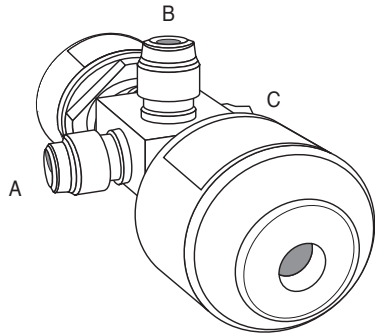


# Mono Block Valve

## Flicker-type

### Flow Direction



### Features

- Flicker valves minimize the dead space by making the valve body of KITZ SCT's dual actuator three-way block valves even more compact. The two valve actuators are laid out in horizontally opposed position with the valve body between them.
- The compact design of the valve makes design of the layout inside a valve box easier, and helps reduce the volume of the valve box itself.
- The simple valve body makes compact design because of easy designing when insulator or heater jacket is required.
- Flicker valves can be provided with standard KD, compact KCD, or high pressure RD series actuators.

### Specifications

| Size               | KD2 (1/8")                                  | KD4 (1/4")                                 | KD8 (1/2")                                  |
|--------------------|---|--|---|
| Cv                 | 0.04  | 0.22                                       | 0.7   |
| Wetted Area Volume | 0.019in <sup>3</sup> (0.31cm <sup>3</sup> ) | 0.140in <sup>3</sup> (2.3cm <sup>3</sup> ) | 0.720in <sup>3</sup> (11.8cm <sup>3</sup> ) |

Other specifications and product grades conform to the valves on which the series is based.

### Precautions

- ① The valves are designed to be used under atmospheric pressure. Usage such as under vacuum vessels are not guaranteed.
- ② For high temperature applications, please select appropriate material for air-fittings and tubes to assure proper performance.



### Product Code Table

| Block valve | Number of valves | Number of ports | Port direction | Model | Size | V1 | V2 | Connection method | Seat material | Handle type | Handle color | Flow | Grade + body material |
|-------------|------------------|-----------------|----------------|-------|------|----|----|-------------------|---------------|-------------|--------------|------|-----------------------|
| B           | 2                | 3               | F              | KD    | 4    | C  | O  | VF                | C             | □           | □            | A    | EP-316L               |

**Options:** Handle color: Blue (standard), BK: Black, GR: Green, RD: Red, SL: Silver, WH: White, YE: Yellow.

**Footnotes:**  
 \*1 For the port direction and flow, please refer to the Flow direction noted above.  
 \*2 In the case where the actuators are the same, there will be one symbol.  
 \*3 In the case where the types of fittings differ, please note them in the above order of Flow direction Ports A, B, and C.  
 Example) For the case of Port A = CVC female, Port B = CVC female, Port C = CVC male, the model will be "VFVFV."

### Dimensions

Unit: inch (mm)

| Model | Type          | Connection      | L           | E           | H            | A           | B           | C           | P     | M           | M <sub>1</sub>              |
|-------|---------------|-----------------|-------------|-------------|--------------|-------------|-------------|-------------|-------|-------------|-----------------------------|
|       | B23FKD2□□-VC  | 1/8" CVC Male   | 1.61 (41.0) | 0.81 (20.5) | 3.62 (92.0)  | 1.10 (28.0) | 0.81 (20.5) | 0.59 (15.0) | Rc1/8 | 0.51 (13.0) | 2-M4<br>Depth<br>0.20 (5.0) |
|       | B23FKD4□□-VC  | 1/4" CVC Male   | 2.24 (57.0) | 1.12 (28.5) | 4.69 (119.0) | 1.56 (39.7) | 1.12 (28.5) | 0.83 (21.0) | Rc1/8 | 1.00 (25.4) | 2-M5<br>Depth<br>0.20 (5.0) |
|       | B23FKD2□□-VFC | 1/8" CVC Female | 2.20 (56.0) | 1.10 (28.0) | 3.62 (92.0)  | 1.10 (28.0) | 1.10 (28.0) | 0.59 (15.0) | Rc1/8 | 0.51 (13.0) | 2-M4<br>Depth<br>0.20 (5.0) |
|       | B23FKD2□□-VFC | 1/8" CVC Female | 2.74 (69.6) | 1.37 (34.8) | 4.69 (119.0) | 1.56 (39.7) | 1.37 (34.8) | 0.83 (21.0) | Rc1/8 | 1.00 (25.4) | 2-M4<br>Depth<br>0.20 (5.0) |
|       | B23FKD8□□-VFC | 1/2" CVC Female | 3.27 (83.0) | 1.63 (41.5) | 5.35 (136.0) | 2.17 (55.0) | 1.63 (41.5) | 1.57 (40.0) | Rc1/8 | 0.79 (20.0) | 2-M5<br>Depth<br>0.20 (5.0) |