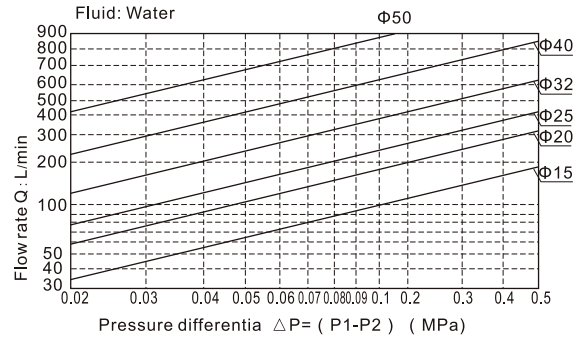
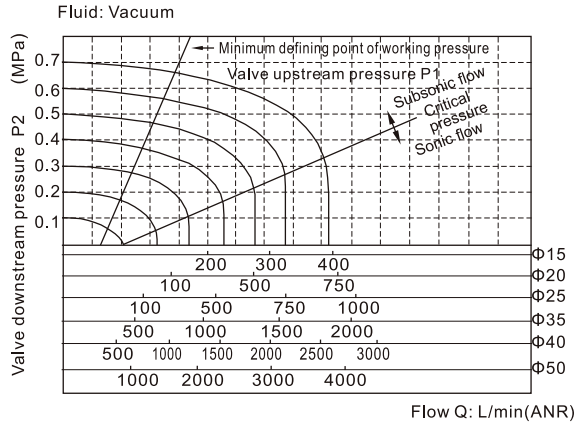


Fluid control valve(2/2 way)

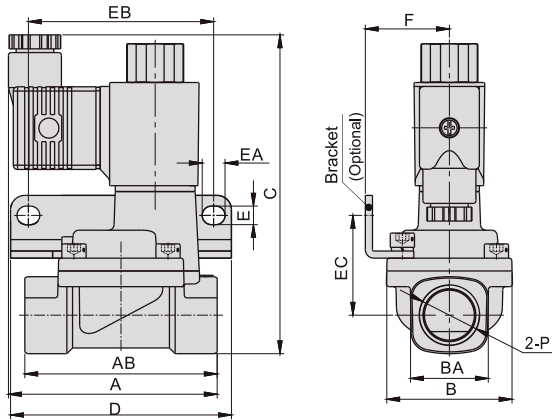
2KLA Series (Internally piloted and normally opened)

Flow chart

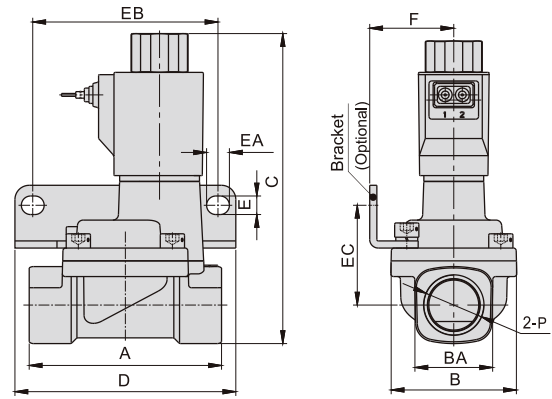


Dimensions

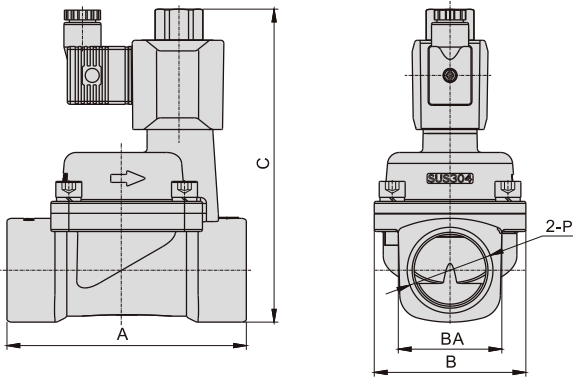
2KLA150~250(Terminal)



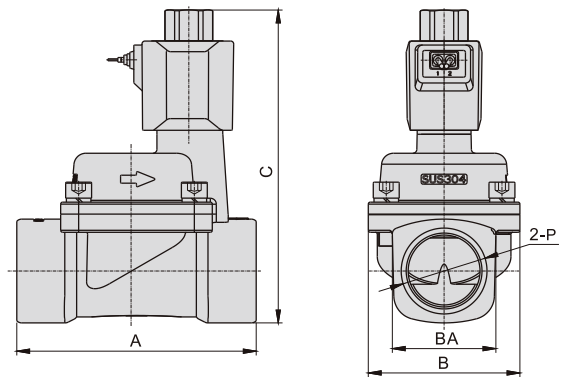
2KLA150~250(Grommet)



2KLA320~500(Terminal)



2KLA320~500(Grommet)



| Model/Item | A | AB | B | BA | C | D | E | EA | EB | EC | F | P |
|------------|------|------|----|------|-------|------|-----|----|----|----|------|--------|
| 2KLA150-15 | 73.5 | 67.5 | 44 | 27.5 | 112 | 77.5 | 6.5 | 8 | 65 | 35 | 29.5 | 1/2" |
| 2KLA200-20 | 75.5 | 79.5 | 51 | 33.5 | 119 | 87.5 | 6.5 | 8 | 75 | 38 | 33 | 3/4" |
| 2KLA250-25 | 77.5 | 90 | 57 | 40.5 | 126 | 93 | 6.5 | 8 | 80 | 42 | 35 | 1" |
| 2KLA320-32 | 120 | - | 76 | 52 | 165.5 | - | - | - | - | - | - | 1 1/4" |
| 2KLA400-40 | 126 | - | 86 | 58 | 175.5 | - | - | - | - | - | - | 1 1/2" |
| 2KLA500-50 | 144 | - | 96 | 70 | 186.5 | - | - | - | - | - | - | 2" |

| Model/Item | A | B | BA | C | D | E | EA | EB | EC | F | P |
|------------|------|----|------|-------|------|-----|----|----|----|------|--------|
| 2KLA150-15 | 67.5 | 44 | 27.5 | 102 | 77.5 | 6.5 | 8 | 65 | 35 | 29.5 | 1/2" |
| 2KLA200-20 | 79.5 | 51 | 33.5 | 109 | 87.5 | 6.5 | 8 | 75 | 38 | 33 | 3/4" |
| 2KLA250-25 | 90 | 57 | 40.5 | 116 | 93 | 6.5 | 8 | 80 | 42 | 35 | 1" |
| 2KLA320-32 | 120 | 76 | 52 | 156.5 | - | - | - | - | - | - | 1 1/4" |
| 2KLA400-40 | 126 | 86 | 58 | 164.5 | - | - | - | - | - | - | 1 1/2" |
| 2KLA500-50 | 144 | 96 | 70 | 179.5 | - | - | - | - | - | - | 2" |



Specification

| Model\Item | Power type | Voltage (V) | Frequency (Hz) | Voltage range | Electrical entry | Power Consumption (VA/W) | | Insulation | Temp.rise (°C) | |
|------------|------------|-------------|----------------|---------------|------------------|--------------------------|--------|------------|----------------|--|
| | | | | | | For NC | For NO | | | |
| 110 Series | AC | 220 | 50 | ± 15% | DIN Terminal | 10.0VA | 15.0VA | Class F | 50 | |
| | | | 60 | | | 8.0VA | 11.0VA | | 45 | |
| | | 110 | 50 | | | 10.0VA | 15.0VA | | 50 | |
| | | | 60 | | | 8.0VA | 11.0VA | | 45 | |
| | 24 | 50 | 10.0VA | | 15.0VA | 50 | | | | |
| | | 60 | 8.0VA | | 11.0VA | 45 | | | | |
| | DC | 24 | - | | ± 10% | Grommet | 6.5W | | 50 | |
| | | 12 | | | | | | | | |
| 160 Series | AC | 220 | 50 | ± 15% | DIN Terminal | 25.0VA | 35.0VA | Class F | 65 | |
| | | | 60 | | | 22.0VA | 30.0VA | | 60 | |
| | | 110 | 50 | | | 25.0VA | 35.0VA | | 65 | |
| | | | 60 | | 22.0VA | 30.0VA | 60 | | | |
| | | 24 | 50 | | 25.0VA | 35.0VA | 65 | | | |
| | | | 60 | | 22.0VA | 30.0VA | 60 | | | |
| | DC | 24 | - | ± 10% | Grommet | 12.0W | | | 50 | |
| | | 12 | | | | | | | | |

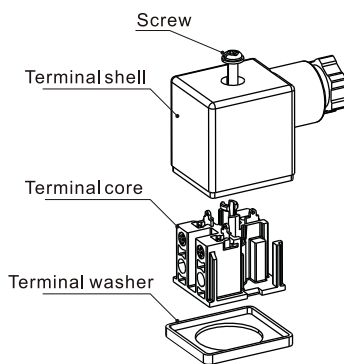
Hookup

| Coil's type | | Hookup |
|-------------|-------------------|--------|
| 110 Series | CDA110 (Terminal) | AC |
| | | DC |
| | CLA110 (Grommet) | AC |
| | | DC |
| 160 Series | CDA160 (Terminal) | AC |
| | | DC |
| | CLA160 (Grommet) | AC |
| | | DC |

How to select coil

| Valve type\Coil type | 110Series | | 160 Series | |
|------------------------|-----------|---------|------------|---------|
| | Class F | Class H | Class F | Class H |
| 2WA□030 2KWA□030 | ● | × | × | × |
| 2SA□030 2KSA□030 | ● | × | × | × |
| 2LA□030 2KLA□030 | × | ● | × | × |
| 2WA□050 2KWA□050 | × | × | ● | × |
| 2SA□050 2KSA□050 | × | × | ● | × |
| 2LA□050 2KLA□050 | × | × | × | ● |
| 2WA150~250 2KWA150~250 | ● | × | × | × |
| 2SA150~250 2KSA150~250 | ● | × | × | × |
| 2LA150~250 2KLA150~250 | × | ● | × | × |
| 2SA320~500 2KSA320~500 | × | × | ● | × |
| 2LA320~500 2KLA320~500 | × | × | × | ● |

How to use connector



How to select accessories

| Valve type\Accessories type | F-2WA030LB | F-2WA050LB | F-2WA150LB | F-2WA200LB | F-2WA250LB |
|-----------------------------|------------|------------|------------|------------|------------|
| 2WA□030 2KWA□030 | ● | × | × | × | × |
| 2SA□030 2KSA□030 | ● | × | × | × | × |
| 2LA□030 2KLA□030 | ● | × | × | × | × |
| 2WA□050 2KWA□050 | × | ● | × | × | × |
| 2SA□050 2KSA□050 | × | ● | × | × | × |
| 2LA□050 2KLA□050 | × | ● | × | × | × |
| 2WA150 2KWA150 | × | × | ● | × | × |
| 2SA150 2KSA150 | × | × | ● | × | × |
| 2LA150 2KLA150 | × | × | ● | × | × |
| 2WA200 2KWA200 | × | × | × | ● | × |
| 2SA200 2KSA200 | × | × | × | ● | × |
| 2LA200 2KLA200 | × | × | × | ● | × |
| 2WA250 2KWA250 | × | × | × | × | ● |
| 2SA250 2KSA250 | × | × | × | × | ● |
| 2LA250 2KLA250 | × | × | × | × | ● |

Ordering code of coil

CD A110 A □

① ② ③ ④

| ①Coil type | ②Coil's bore | ③Voltage | ④Temperature resistance class |
|-----------------------------|--|--|-------------------------------|
| CD: Terminal CL: Grommet | A110: Coil Specification (Bore sizeΦ10.0mm) A160: Coil Specification (Bore sizeΦ16.0mm) | A: AC220V B: DC24V C: AC110V E: AC24V F: DC12V | Blank: F Class H: H Class |