

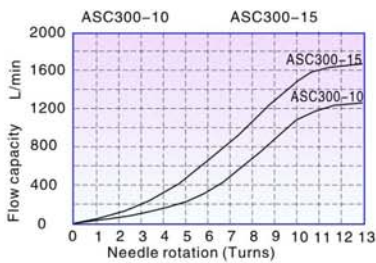
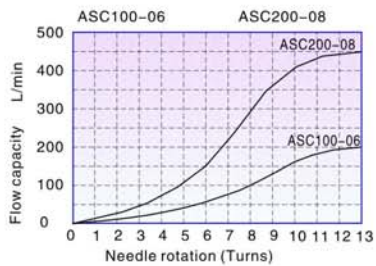
The ASC Series general purpose Flow Restrictors may be installed directly in-line. The compact design has ports ranging from G1/8 to G1/2. Products come with a reverse flow check valve and nut-lock adjustable thumb screw..



Product Features

1. Compact in-line valve.
2. Fine flow adjustment with reverse flow check valve.
3. May be panel or line mounted.

Flow Charts



Inner Structure

| No. | Item | No. | Item |
|-----|----------------|-----|-----------------|
| 1 | Adjustment cap | 6 | Spool spring |
| 2 | Clamping cap | 7 | Throttle sheath |
| 3 | Throttle body | 8 | Body |
| 4 | Hexagon nut | 9 | Throttle column |
| 5 | Spool spring | 10 | Spool O-ring |

Specifications

| Model | ASC100-06 | ASC200-08 | ASC300-10 | ASC300-15 | |
|----------------------|---|-----------|-----------|-----------|------|
| Fluid | Air(to be filtered by 40 μm filter element) | | | | |
| Port size ① | 1/8" | 1/4" | 3/8" | 1/2" | |
| Pressure range | 0-1.0MPa | | | | |
| Proof pressure | 1.5MPa(215Psi) | | | | |
| Temperature range °C | -20-70 | | | | |
| Material of body | Aluminum alloy | | | | |
| Flow (L/min) | Control flow | 200 | 450 | 1250 | 1650 |
| | Free flow | 400 | 800 | 1500 | 2500 |

① G thread and PT thread are available.

Symbol



Ordering Codes

ASC 300 - 10 - G

| Model | Code | Port size | Thread |
|-------------------------|---|--|---------------|
| ASC: Flow control valve | 100: 100 Series 200: 200 Series 300: 300 Series | 06: 1/8" 08: 1/4" 10: 3/8" 15: 1/2" | G: G P: PT |

Dimensions

| Type Item | ASC100-06 | ASC200-08 | ASC300-10 | ASC300-15 |
|-----------|-----------|-----------|-----------|-----------|
| A | 22 | 26 | 35 | 35 |
| B | 32 | 36 | 50 | 50 |
| C | 1/8" | 1/4" | 3/8" | 1/2" |
| D | 18 | 23 | 32 | 32 |
| E | 23 | 27 | 37 | 37 |
| F | 4.3 | 4.3 | 5.3 | 5.3 |
| G | 46.8 | 50.8 | 65 | 65 |

| Type Item | ASC100-06 | ASC200-08 | ASC300-10 | ASC300-15 |
|-----------|------------|------------|-----------|-----------|
| H | 52.3 | 56.3 | 74 | 74 |
| I | M6 x 0.5 | M6 x 0.5 | M8 x 0.75 | M8 x 0.75 |
| J | M12 x 0.75 | M12 x 0.75 | M16 x 1.0 | M16 x 1.0 |
| K | 10 | 13.5 | 17.5 | 17.5 |
| L | 18 | 18 | 28 | 28 |
| M | 26 | 30 | 40.5 | 40.5 |
| N | 8.6 | 8.6 | 10.2 | 10.2 |

