**ASP-X352 Speed Control Valve with Manual Override Pilot Operated Check Valve**

- One-touch fitting for simple connection of supply air
- Universal type for piping convenience
- Meter-out flow control for cylinder speed regulation
- Manual residual pressure release valve for quick release of cylinder pressure
- Integral pilot operated check valve to hold position until pilot signal is provided
  - G thread
  - Can rotate 360° to desired piping position
  - Not for constant rotational use

Uni-fit for compatibility with NPT, BSPT, BSPP and G thread forms (alternate thread forms can be offered as non-standard options)

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**APPLICATIONS**

<table>
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<tr>
<th>Drop prevention for press fitting jig</th>
<th>Drop prevention for lifter</th>
<th>Door locking</th>
<th>Pressing and lifting</th>
</tr>
</thead>
<tbody>
<tr>
<td>Extension lock</td>
<td>Retraction lock</td>
<td></td>
<td></td>
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</tbody>
</table>

**Picking and placing**

**Related Products**

- **AS-FE**
  - Flow control with residual pressure relief
- **KE**
  - Residual pressure relief Valve

### Specifications

<table>
<thead>
<tr>
<th>Fluid</th>
<th>Air</th>
</tr>
</thead>
<tbody>
<tr>
<td>Proof pressure</td>
<td>217.5 psi (1.5MPa)</td>
</tr>
<tr>
<td>Operating pressure range</td>
<td>14.5 to 145psi (0.1 to 1 MPa)</td>
</tr>
<tr>
<td>Pilot check valve operating pressure</td>
<td>More than 50% of operating pressure</td>
</tr>
<tr>
<td>Number of needle rotations</td>
<td>10 turns</td>
</tr>
<tr>
<td>Applicable tubing material</td>
<td>Nylon, Soft nylon, Polyurethane</td>
</tr>
</tbody>
</table>
How to Order

AS  P  3  3  0  F — U  01 — 07 — X352

Flow control
With pilot check valve

Body size
- 3: 1/8
- 4: 1/4
- 5: 3/8
- 6: 1/2

Universal type
With One-touch fitting
Uni-fit thread form

Applicable tubing O.D.

Metric size
- 06: ø6mm
- 08: ø8mm
- 10: ø10mm
- 12: ø12mm

Inch size
- 07: ø1/4"
- 09: ø5/16"
- 11: ø3/8"
- 13: ø1/2"

Thread size
- 01: 1/8
- 02: 1/4
- 03: 3/8
- 04: 1/2

With residual pressure relief valve (manual), G thread pilot port

Dimensions

Models

Applicable tubing O.D.

Metric size

- ø6
- ø8 (5/16"
- ø10
- ø1/4"
- ø3/8"
- ø1/2"

Inch size

- ø1/4"
- ø5/16"
- ø3/8"
- ø1/2"

Model number | Piping thread | Pilot port | Metric size | Inch size |
|-------------|---------------|------------|-------------|----------|
| ASP330F-U01-07-X352 | 1/8 Uni-fitt | G 1/8" | ø6 | ø1/4"
| ASP430F-U02-07-X352 | 1/4 Uni-fitt | G 1/4" | ø8 (5/16"
| ASP530F-U03-07-X352 | 3/8 Uni-fitt | G 3/8" | ø10 | ø3/8"
| ASP630F-U04-07-X352 | 1/2 Uni-fitt | G 1/2" | ø12 | ø1/2"

Note: Additional models are possible (i.e., thread form/tubing size combinations), please contact your SMC representative for availability.

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