Features
- Positive shutoff in the check direction
- Corrosion resistant 316 Stainless Steel
- Pressures up to 6000 psi
- Cv5 ranging from 2.5 to 55.0
- MS tube or NPT end connections
- Line sizes from 1/4" to 2" standard
- Cryogenic models available
- NASA tested and approved models

Specifications
- Operating Pressure: 0 to 3,000 psi or 0 to 6,000 psi
- Proof: 1½ x operating
- Burst: 4 x operating
- Cv: 2.5 to 55 (see table)
- Cracking Pressure: 1.0 psi or 8.0 psi
- Temperature: -420°F to +165°F
- Leakage: Bubble-tight, internal and external, ambient conditions

Materials of Construction
- Body/Trim: 316 Stainless steel, Monel®
- Poppet: 316 Stainless steel
- Spring: 316 Stainless steel
- Seals: Teflon® Ethylene Propylene, Buna-N® or Viton®

Applications
Aerospace ground support • Industrial gas • Chemical process • Nuclear power plant • Test stands
Wide range of gases and liquids • Calibration systems • Service and test equipment
### 3505 Series Check Valves

#### Ordering Information

<table>
<thead>
<tr>
<th>3505 B V - 16 T H</th>
<th>3505-3050 B - 16 T H</th>
</tr>
</thead>
<tbody>
<tr>
<td>Model Number</td>
<td>Model Number</td>
</tr>
<tr>
<td>BODY</td>
<td>BODY</td>
</tr>
<tr>
<td>SEAT/SEAL MATERIAL</td>
<td>SEAT/SEAL MATERIAL</td>
</tr>
<tr>
<td>OPERATING PRESSURE</td>
<td>OPERATING PRESSURE</td>
</tr>
<tr>
<td>CRACKING PRESSURE</td>
<td>CRACKING PRESSURE</td>
</tr>
<tr>
<td>1 psi</td>
<td>8 psi</td>
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<td>8 psi</td>
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</tbody>
</table>

#### Model Numbers

- **3505**: Cracking pressure 1 psi
- **3505-3050**: Cracking pressure 8 psi

#### Body Material

- **B**: 316 Stainless steel
- **M**: Monel®
- **R**: Ethylene Propylene (EPR)
- **B**: Buna-N®
- **V**: Fluorocarbon (Viton®)

#### Seat/Seal Material

- **-**: General Service
- **X**: High level precision cleaning

#### Line Size

1/16" Increments (see table)

#### I/O Port Type

- **T**: MS33649 female tube
- **P**: NPT female
- **S**: MS33656 male tube
- **G**: G-CON® Hub

#### Operating Pressure

- **H**: 6000 psig max
- **Blank**: 3000 psig max

For Oxygen service, contact factory.

#### Dimensions and Flow Factors

<table>
<thead>
<tr>
<th>Dash Number</th>
<th>Line Size</th>
<th>All Connection Types</th>
<th>Female Tube</th>
<th>G-CON® Hub</th>
<th>G-CON® Hub Seal Ring</th>
<th>Cv</th>
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<tr>
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</table>

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