Check Valves ANSI Class 150

The purpose of a check valve is to prevent the reversal of flow in a flow line. It is suitable for most media and temperature ranges.

- Stainless steel bolting
- Fully enclosed TFE gasket
- High quality castings

Parts Description
1. Body
2. Cover
3. Disc
4. Disc stem nut
5. Hinge
6. Hinge pin
7. Cover bolts
8. Cover nuts
9. Gasket

Model 2001 ½ thru 2” (Investment Cast Body)

Model 315 ½ thru 2” (Investment Cast Body)

Model 315 3 thru 12”* (Sand Cast Body)

Features:
- Swing type check
- Bolted cover
- TFE gasket
- Integral seat
- SS bolting

Specifications:
- Sizes ½ thru 12”*
- Pressures: ANSI Class 150
- Ends: flanged, threaded, socketweld and butt weld
- Materials: cast SS and exotic alloy
- Design: ANSI B16.34 and B16.10

Options:
- Exotic alloys
- Renewable disc
- Jackets
- Special NDT test
- Lift check
- Hardfacing
- Special bolting
- Alloy analyzer test

Sizes available thru 42”. Consult factory.
Check Valves ANSI Class 300

Model 2301 ½ thru 2” (Investment Cast Body)

Model 330 ½ thru 2” (Investment Cast Body)

Model 330 3 thru 10”* (Sand Cast Body)

Size (in.) A B C

A 3 ½ 3 ¾ 3 ½ 5 ¼ 5 ¼
B 3 ½ 3 ¾ 3 ½ 4 ¼ 5 ¼
Weight (lbs.) 9 9 10 25 33

Size (in.) A B C

A 6 7 8 ½ 9 ½ 10 ½ 12 ½ 14 17 ½ 21 24 ½
B 3 ½ 3 ¾ 3 ½ 4 ½ 5 ¼ 6 ¼ 7 ¼ 11 ½ 10 ½ 14 ½
C 3 ½ 4 ½ 4 ¼ 6 ¼ 6 ½ 8 ¼ 10 12 ½ 15 17 ½
Weight (lbs.) 16 18 21 30 60 115 185 230 670 800

Socketweld=2301-X; Screwed End=2301-SE
Raised Face Flange=330-RF; Flat Faced Flange=330-FF; Ring Type Joint Flange=330-RTI; Buttweld=330-BW

Features:
- Swing type check
- Bolted cover
- TFE gasket
- Integral seat
- SS bolting

Specifications:
- Sizes ½ thru 10”*
- Pressures: ANSI Class 300
- Ends: flanged, threaded, socketweld and butt weld
- Material: cast SS and exotic alloy
- Design: ANSI B16.34 and B16.10

Options:
- Exotic alloys
- Lift check
- Renewable disc
- Hardfacing
- Jackets
- Special bolting
- Special NDT test
- Alloy analyzer test

*For larger sizes, consult factory.

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Check Valves

Model 2601
½ thru 2”
(Investment Cast Body)

Model 360
½ thru 2”
(Investment Cast Body)

Model 360
3 thru 6”*
(Sand Cast Body)

Feasures:
- Swing type check
- Bolted cover
- TFE gasket
- Integral seat
- SS bolting

Specifications:
- Sizes ½ thru 6”
- Pressures: ANSI Class 600
- Ends: flanged, threaded, socketweld and butt weld
- Materials: cast SS and exotic alloy
- Design: ANSI B16.34 & B16.10

Options:
- Exotic alloys
- Renewable disc
- Jackets
- Special NDT test
- Lift check
- Hardfacing
- Special bolting
- Alloy analyzer test

For larger sizes, consult factory.
P.O.A.—consult factory.

Socketweld=2601-X; Screwed End=2601-SE

Raised Face Flange=360-RF; Flat Face=360-FF; Ring Joint=360-RJ;
Buttweld=360-BW
# Lift Checks

## ANSI Class 150
### Models LC 2001

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<thead>
<tr>
<th>Size (in.)</th>
<th>1/4</th>
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<th>1</th>
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<td>A</td>
<td>3/8</td>
<td>3/8</td>
<td>4 1/4</td>
<td>5 1/4</td>
<td>5 1/4</td>
</tr>
<tr>
<td>B</td>
<td>3 3/4</td>
<td>3 3/4</td>
<td>3 3/4</td>
<td>4 1/4</td>
<td>5 1/4</td>
</tr>
<tr>
<td>Weight (lbs.)</td>
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<td>5</td>
<td>7</td>
<td>12</td>
<td>17</td>
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Socketweld=2001-X; Screwed End=2001-SE

## ANSI Class 300
### Models LC 2301

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<tbody>
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<td>3/8</td>
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<td>5 1/4</td>
<td>5 1/4</td>
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<tr>
<td>B</td>
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<td>3 3/4</td>
<td>3 3/4</td>
<td>4 1/4</td>
<td>5 1/4</td>
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<td>Weight (lbs.)</td>
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Socketweld=2301-X; Screwed End=2301-SE

## ANSI Class 600
### Models LC 2601

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<td>5 1/4</td>
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<tr>
<td>Weight (lbs.)</td>
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Socketweld=2601-X; Screwed End=2601-SE

## LC 315

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<td>3 3/4</td>
<td>4 1/4</td>
<td>5 1/4</td>
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<tr>
<td>C</td>
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<td>3 3/4</td>
<td>4</td>
<td>5</td>
<td>6</td>
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<td>Weight (lbs.)</td>
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Raised Face Flanged=315-RF; Flat Face Flanged=315-FF; Ring Type Joint Flanged=315-RJ; Butt weld=315-BW

## LC 330

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<th>Size (in.)</th>
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<tbody>
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<td>7</td>
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<tr>
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<td>3 3/4</td>
<td>3 3/4</td>
<td>3 3/4</td>
<td>4 1/4</td>
<td>5 1/4</td>
</tr>
<tr>
<td>C</td>
<td>3 3/4</td>
<td>4</td>
<td>4</td>
<td>6 1/2</td>
<td>6 1/2</td>
</tr>
<tr>
<td>Weight (lbs.)</td>
<td>13</td>
<td>17</td>
<td>25</td>
<td>36</td>
<td>54</td>
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</tbody>
</table>

Raised Face Flanged=330-RF; Flat Face Flanged=330-FF; Ring Type Joint Flanged=330-RJ; Butt weld=330-BW

## Features:
- Inconel X-750 spring
- Bolted cover
- Integral seat
- Teflon gasket
- SS bolting

## Specifications:
- Sizes 1/4 thru 2".
- Pressures: ANSI Class 150–600.
- Ends: flanged, threaded, socketweld and butt weld.
- Materials: cast SS and exotic alloy.
- Design: ANSI B16.34 and B16.10.

## Options:
- Exotic alloys
- Renewable disc
- Hardfacing
- Jackets
- Special NDT test
- Alloy analyzer test
- Special bolting

Cooper lift checks are supplied with an Inconel X-750 spring for extra strength and corrosion resistance. Cooper lift checks have a low differential pressure seal with a cracking pressure of 5 to 10 PSI. They can be supplied with a renewable disc with Teflon insert good for -100°F or KEL-F insert good for -325°F.