

# 159XU

## Swing Check Valve

Class 300

159XU



GENERAL VALVES

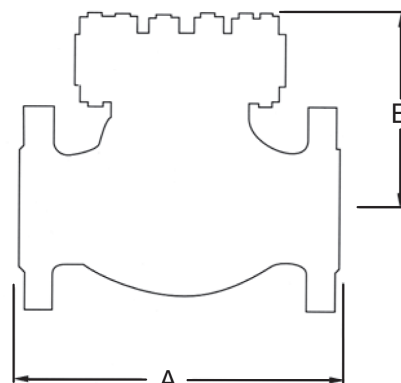
### Features & Benefits

- Cast Steel, bolted cap and flanged
- Swing check valves prevent reversal of flow through the pipeline
- Can be installed in horizontal or vertical, upward flow piping
- Offer low resistance to flow and are particularly suited to low velocity service
- Seat ring is seal welded to eliminate leak paths

### Materials

| PART        | MATERIAL       |
|-------------|----------------|
| Body        | A216 WCB       |
| Bonnet      | A216 WCB       |
| Seat Ring   | Hardfaced      |
| Disc        | 13% CR Overlay |
| Hinge       | WCB            |
| Pins, Hinge | 410 SS         |
| Cap Screw   | A307 Gr. B     |
| Cap Gasket  | Spiral Wound   |
| Cap Studs   | A193 Gr. B7    |
| Cap Nuts    | A194 Gr. 2H    |
| ID Tags     | SS             |
| ID Pins     | Steel          |

### Dimensional Drawing



### Dimensions & Weights

| SIZE (inch) | WEIGHT (lbs) | A (inch) | B VALVE OPEN (inch) |
|-------------|--------------|----------|---------------------|
| 2           | 46           | 10.50    | 6.75                |
| 2½          | 66           | 11.50    | 7.38                |
| 3           | 86           | 12.50    | 8.50                |
| 4           | 154          | 14.00    | 9.25                |
| 6           | 276          | 17.50    | 11.88               |
| 8           | 420          | 21.00    | 13.38               |
| 10          | 640          | 24.50    | 13.88               |
| 12          | 1000         | 28.00    | 16.62               |
| 14          | 1550         | 33.00    | 18.88               |
| 16          | 1700         | 34.00    | 20.50               |
| 18          | 2200         | 38.50    | 23.62               |
| 20          | 2800         | 44.00    | 26.38               |
| 24          | 3650         | 53.00    | 29.62               |

### Industry Standards

|                         |             |
|-------------------------|-------------|
| STEEL VALVES            | ANSI B16.34 |
| FACE-TO-FACE/END-TO-END | ANSI B16.10 |
| FLANGE DIMENSIONS       | ANSI B16.5  |
| TESTING                 | API 598     |
| ACCEPTANCE              | API RP591   |

Intermediate pressure ratings shall be determined by interpolation.

**SIZE RANGE:** 2 - 24 inches

**PRESSURE RATING:** Class 300

Carbon Steel

ASTM A216 Grade WCB

740 psi @ -20°F to 100°F

**SPECIFICATION:** Swing check valves prevent reversal of flow through pipelines.

Most Crane FS swing check valves can be installed in horizontal or vertical upward flow piping. They offer low resistance to flow and are particularly suited to low velocity service.