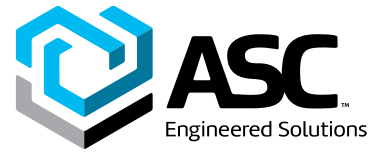
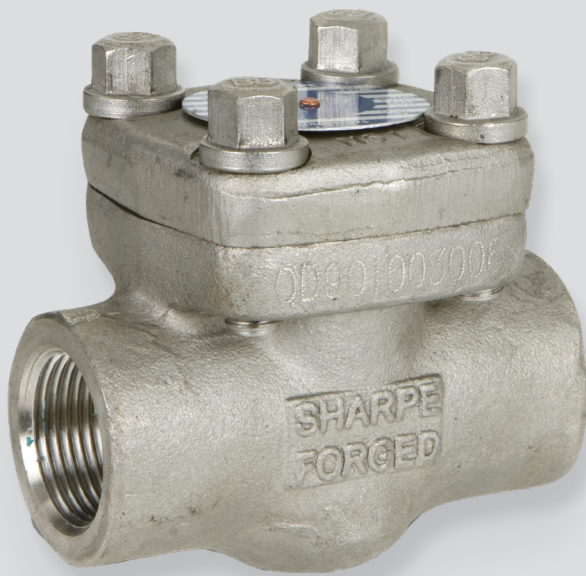


Building connections that last™



Series 24834SC & 24836SC

Forged Swing Check
Valve Datasheet



Forged Swing Check Valve Series 2483SC & 24836SC



Design Features

- Class 800
- Socket weld ends forged steel or 316L stainless steel
- Threaded ends forged steel or 316L stainless steel
- Bolted bonnet
- NACE MR-0175

Applicable Standards

- Basic Design: API 602 (9th Edition)
- Socket Weld: ANSI 16.11
- Threaded: ANSI B1.20.1
- Test: API 598

Technical Information

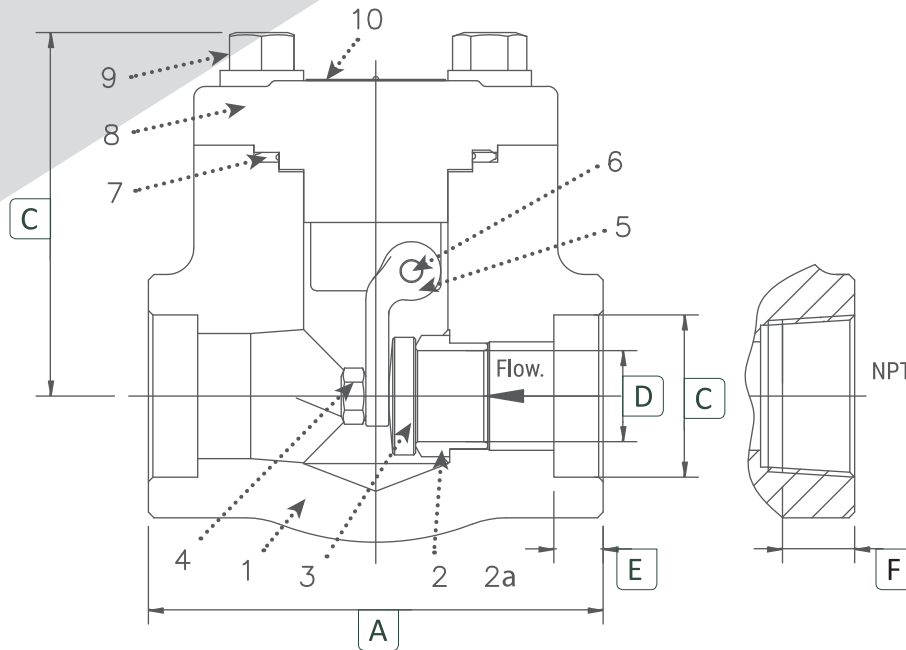
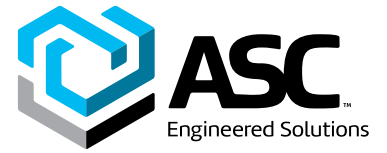
| Temperature °F | 316L Pressure psi | Forged Steel Pressure psi | Size | C _v | Weight (Lbs.) |
|----------------|-------------------|---------------------------|------|----------------|---------------|
| -20 to 100 | 1600 | 1975 | ¼ | 5 | 3.6 |
| 200 | 1365 | 1810 | ⅜ | 6 | 3.3 |
| 300 | 1215 | 1745 | ½ | 9 | 3.3 |
| 400 | 1120 | 1690 | ¾ | 10 | 3.8 |
| 500 | 1050 | 1610 | 1 | 22 | 5.6 |
| 600 | 990 | 1515 | 1-¼ | 55 | 7.9 |
| 650 | 975 | 1465 | 1-½ | 55 | 9.3 |
| 700 | 960 | 1415 | 2 | 82 | 16.1 |
| 750 | 940 | 1350 | | | |
| 800 | 920 | 1100 | | | |
| 850 | 900 | - | | | |



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Forged Swing Check Valve Series 24834SC & 24836SC



Parts & Materials

| No. | Part Name | Qty. | Material |
|-----|------------|------|--|
| 1 | Body | 1 | 316L Stainless Steel ASTM A182 or Forged Steel ASTM A105N* |
| 2 | Seat Ring | 1 | 316 Stainless Steel or 410 Stainless Steel* |
| 2A | Seat | 1 | Stellite |
| 3 | Disc | 1 | 316 Stainless Steel or 410 Stainless Steel* |
| 4 | Nut | 1 | 8M Steel ASTM A194 or 2HM Steel ASTM A194* |
| 5 | Swing Arm | 1 | 316 Stainless Steel or 410 Stainless Steel* |
| 6 | Dowel | 4 | 316 Stainless Steel or 410 Stainless Steel* |
| 7 | Gasket | 1 | 316 + Graphite or 304 + Graphite* |
| 8 | Cover | 1 | 316L Stainless Steel or Carbon Steel ASTM A105N* |
| 9 | Body Bolt | 1 | B8M Steel ASTM A193 or B7M Steel ASTM A193* |
| 10 | Name Plate | 1 | Aluminum |

Note:

*Used on Forged Steel Valves.

Dimensions (Inches)

| Size | A | B | C | D | E | F |
|------|------|------|------|------|------|------|
| ¼ | 3.11 | 2.40 | 0.55 | 0.24 | 0.39 | 0.40 |
| ⅜ | 3.11 | 2.40 | 0.69 | 0.39 | 0.39 | 0.43 |
| ½ | 3.11 | 2.40 | 0.85 | 0.51 | 0.39 | 0.53 |
| ¾ | 3.62 | 2.40 | 1.07 | 0.51 | 0.51 | 0.55 |
| 1 | 4.37 | 3.07 | 1.33 | 0.71 | 0.51 | 0.69 |
| 1-¼ | 4.72 | 3.35 | 1.68 | 0.94 | 0.51 | 0.71 |
| 1-½ | 4.72 | 3.80 | 1.92 | 1.14 | 0.51 | 0.72 |
| 2 | 5.51 | 4.55 | 2.40 | 1.44 | 0.63 | 0.76 |

Note:

Due to continuous development of our product range, we reserve the right to change the dimensions and information for this product as required.

Forged Swing Check Valve Series 24834SC & 24836SC



How to order Series 24834SC & 24836SC

| 1 | 24834SC | | - | TE |
|------|---------|---------------------------|--------------------------------|-------------|
| Size | Series | | End Connections | |
| Size | Series | Body & Trim Materials | End Connections ⁽¹⁾ | |
| ¼ | 24834SC | Forged Steel (Trim 8) | TE | Threaded |
| ⅜ | 24836SC | Stainless Steel (Trim 12) | SW | Socket Weld |
| ½ | | | | |
| ¾ | | | | |
| 1 | | | | |
| 1-¼ | | | | |
| 1-½ | | | | |
| 2 | | | | |

¹ If both ends are the same, select TE or SW. If each end is different, specify Inlet first then Outlet.

Examples:
TE/SW (threaded inlet / socket weld outlet)
SW/TE (socket weld inlet / threaded outlet)

Note:

Responsibility for proper selection, use and maintenance of any product remains solely with the purchaser and end user. We reserve the right to modify or improve the designs or specifications of any product at any time without notice.

About ASC Engineered Solutions

ASC Engineered Solutions is defined by quality—in its products, services and support. With more than 1,400 employees, the company's portfolio of precision-engineered piping support, valves and connections provides products to more than 4,000 customers across industries, such as mechanical, industrial, fire protection, oil and gas, and commercial and residential construction. Its portfolio of leading brands includes ABZ Valve®, AFCON®, Anvil®, Anvil EPS, Anvil Services, Basic-PSA, Beck®, Catawissa, Cooplet®, FlexHead®, FPPI®, Gruklok®, J.B. Smith, Merit®, North Alabama Pipe, Quadrant®, SCI®, Sharpe®, SlideLOK®, SPF® and SprinkFLEX®. With headquarters in Commerce, CA, and Exeter, NH, ASC also has ISO 9001:2015 certified production facilities in PA, TN, IL, TX, AL, LA, KS, and RI.



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FC-DS-Series-2483SC-v02.20230816

