

Building connections that last™



Series 24834SC & 24836SC

Forged Swing Check Valve Datasheet



Forged Swing Check Valve Series 24834SC & 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

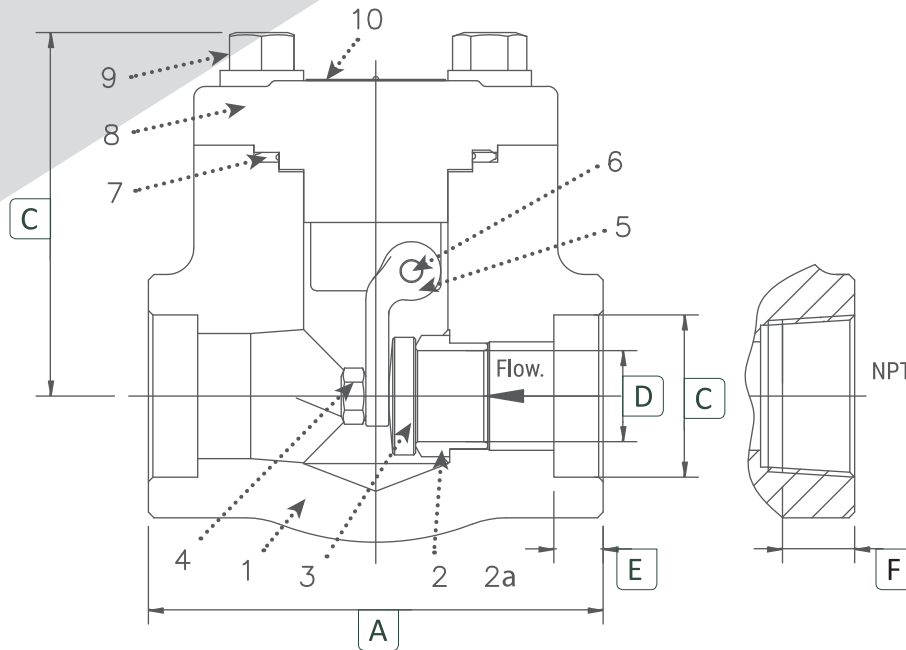
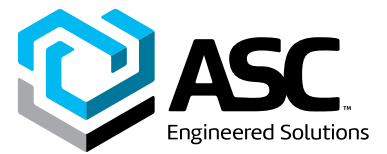
Temperature °F	316L Pressure psi	Forged Steel Pressure psi	Size	C _v	Weight (Lbs.)
-20 to 100	1600	1975	¼	5	3.6
200	1365	1810	⅜	6	3.3
300	1215	1745	½	9	3.3
400	1120	1690	¾	10	3.8
500	1050	1610	1	22	5.6
600	990	1515	1-¼	55	7.9
650	975	1465	1-½	55	9.3
700	960	1415	2	82	16.1
750	940	1350			
800	920	1100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



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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.

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How to order Series 24834SC & 24836SC

1 24834SC - TE = 1" - 1 24836SC - TE
 Size Series Ends Size Size Series Ends

Size	Series	Body	Ends	
1/4	24834SC	Forged Steel (Trim 8)	TE	Threaded
3/8				
1/2	24836SC	Stainless Steel (Trim 12)	SW	Socket Weld
3/4				
1				
1-1/4				
1-1/2				
2				

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®, Gruvlok®, 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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