

OVERVIEW

PFA Lined Swing Check Valve (SCV)

Amresist fully lined swing check valves offer a reliable solution in demanding corrosive and ultrapure applications where prevention of backflow of process media within the piping system is required.

Amresist fully lined swing check valves offer unsurpassed resistance to corrosion, permeation and microbial contamination for maximum purity and reliability with minimal maintenance.

SPECIFICATIONS

Design Parameters	Standard
Shell Design	ASME B 16.34
Face To Face Dimensions	ASME B16.10 (wafer)
Flange Connection Rating	ASME B 16.5 150# / DIN PN 10
Testing Standard	BS EN 12266-1
Connection	WAFER, RF

Pressure / Temperature Ratings

2" - 8"	225 psig at 104°F 85 psig at 400°F
10" - 18"	140 psig at 120°F 70 psig at 400°F

Temperature Range

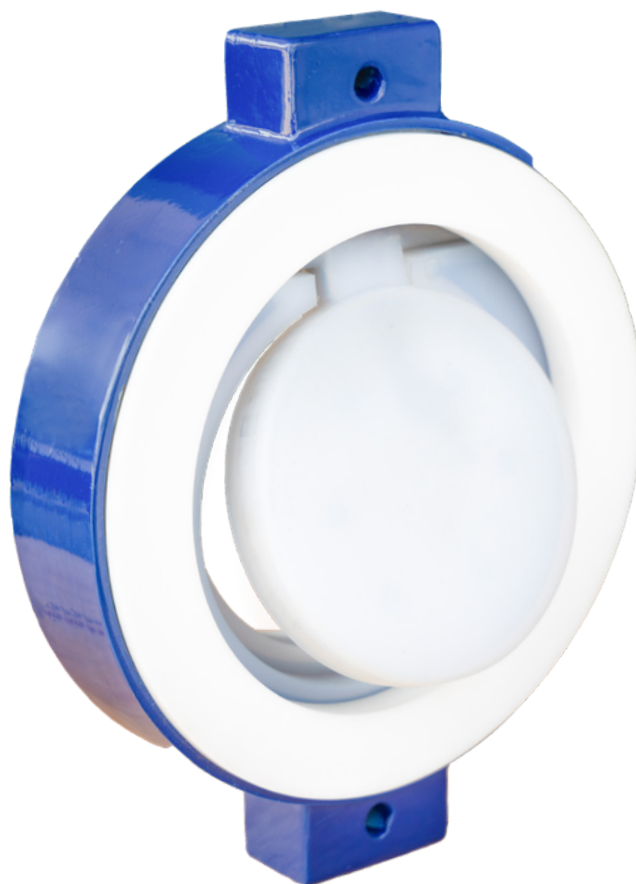
ASTM A216 WCB	-20°F	to
ASTM A351 CF8M	+400°F	-49°F to +400°F

Tests Performed

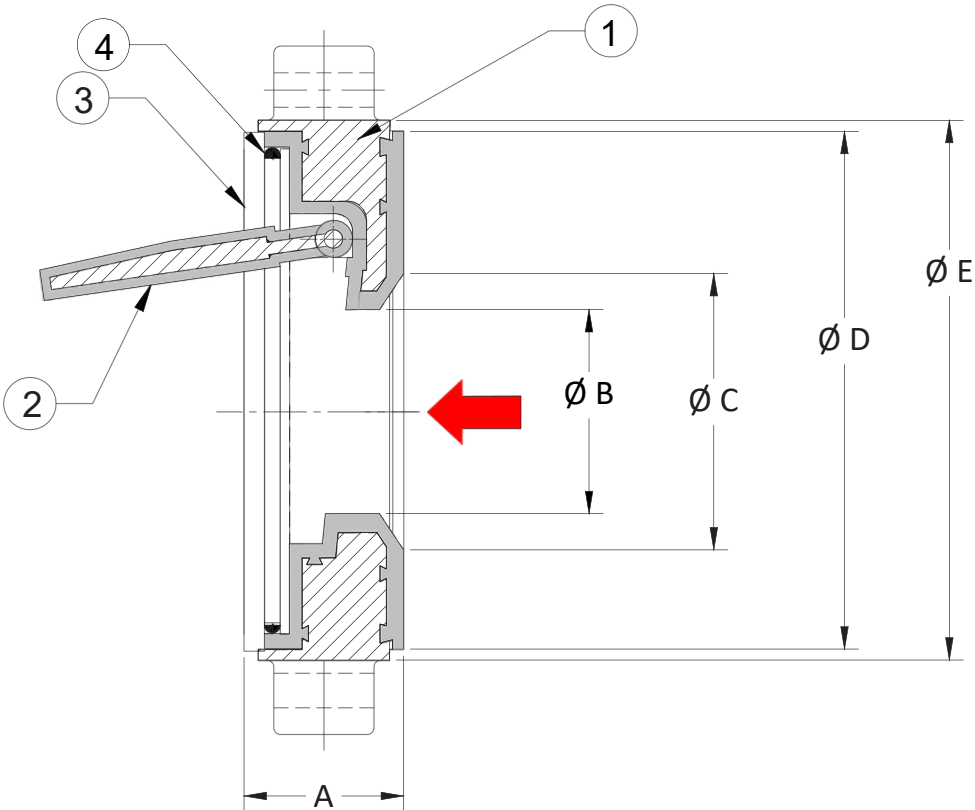
Sizes	2" - 18"	
High Pressure Shell Test Hydro	2" - 8"	340 psig
	10" - 18"	213 psig
High Pressure Seat Test Hydro	2" - 8"	250 psig
	10" - 18"	156 psig
Low Pressure Seat Test Pneumatic	45 PSI	

Spark Test

Testing Done At	KVDC
	20 KVDC



Part No.	Description	Materials of Construction	Qty
1	Body	ASTM A 216 GR WCB or A351 CF8M PFA LINED, 3mm minimum thickness	1
2	Flap	ASTM A 351 CF8 or A351 CF8M PFA LINED, 3mm minimum thickness	1
3	Locking Ring	PTFE or TFM	1
4	D Ring	Viton	1

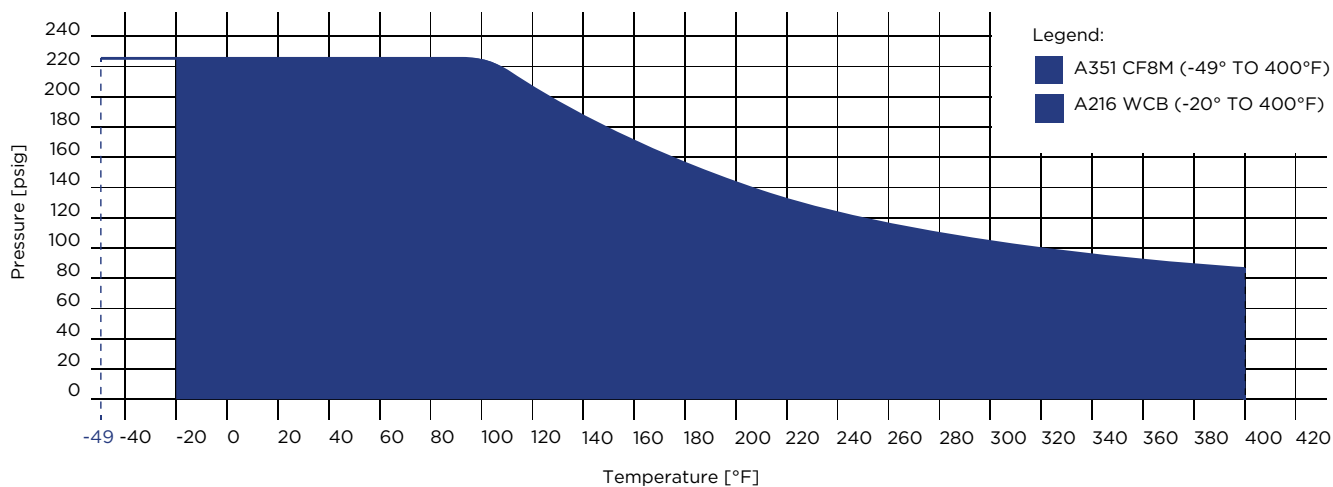


DIMENSIONS (in)

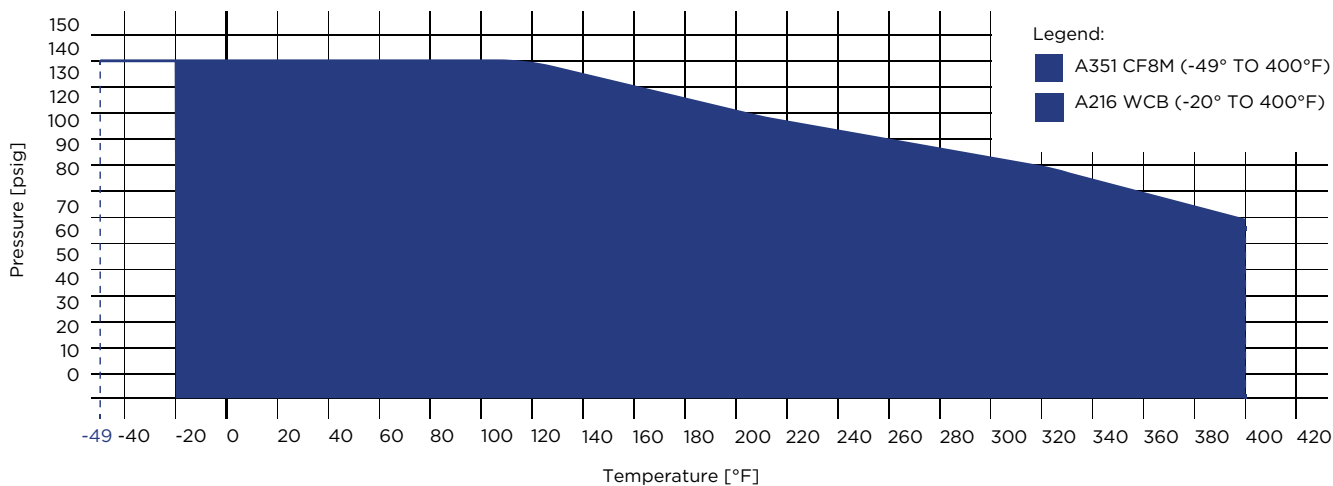
Size	A ±0.12	øB ±0.04	øC ±0.04	øD ±0.04	øE ±0.08
2 in	1.57	1.06	1.89	3.62	4.00
3 in	1.81	1.69	2.36	4.96	5.31
4 in	2.01	2.56	3.15	6.50	6.73
6 in	2.20	4.37	5.04	8.30	8.62
8 in	2.40	5.23	6.89	10.60	10.79
10 in	2.68	7.24	8.82	12.81	13.19
12 in	3.07	9.13	10.71	15.20	15.98
14 in	3.46	9.06	10.83	16.73	17.44
16 in	4.01	11.80	12.99	18.50	19.29
18 in	4.50	13.38	14.74	21.00	20.66

P-T GRAPH | SWING CHECK VALVE (SCV)

2" - 8"



10" - 18"



DISCOVER HOW ACRIS® VALVES INCREASE RELIABILITY AND REDUCE TOTAL COST OF OWNERSHIP FOR YOUR CRITICAL APPLICATIONS.

VISIT [AMRESIST.COM](https://www.amresist.com) TO LEARN MORE ABOUT PRODUCTS AND LOCATIONS NEAR YOU.

HEADQUARTERS

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As members of the Chlorine Institute, Amresist is committed to promoting best practices for safe production, handling, and distribution of chlorine and related products.

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