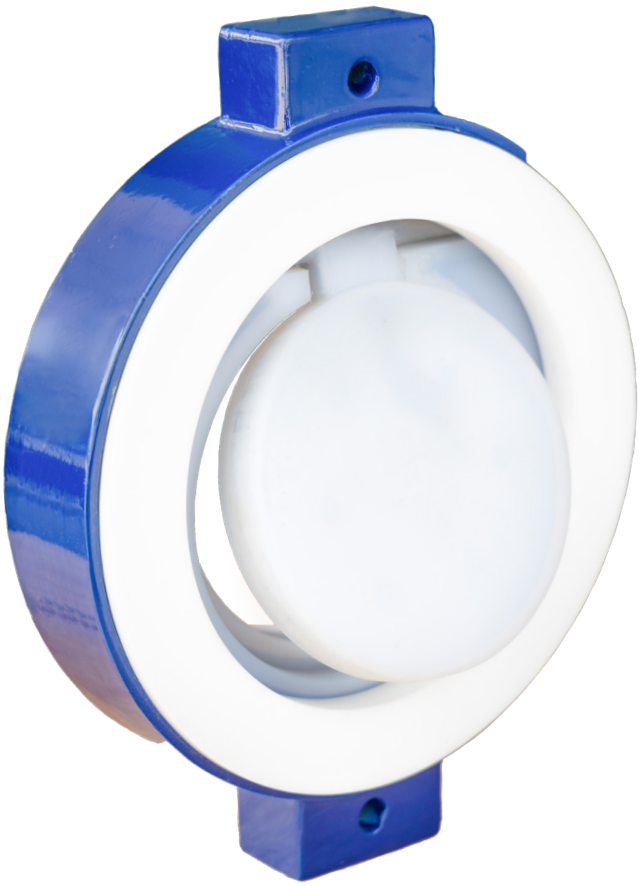
OVERVIEW

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

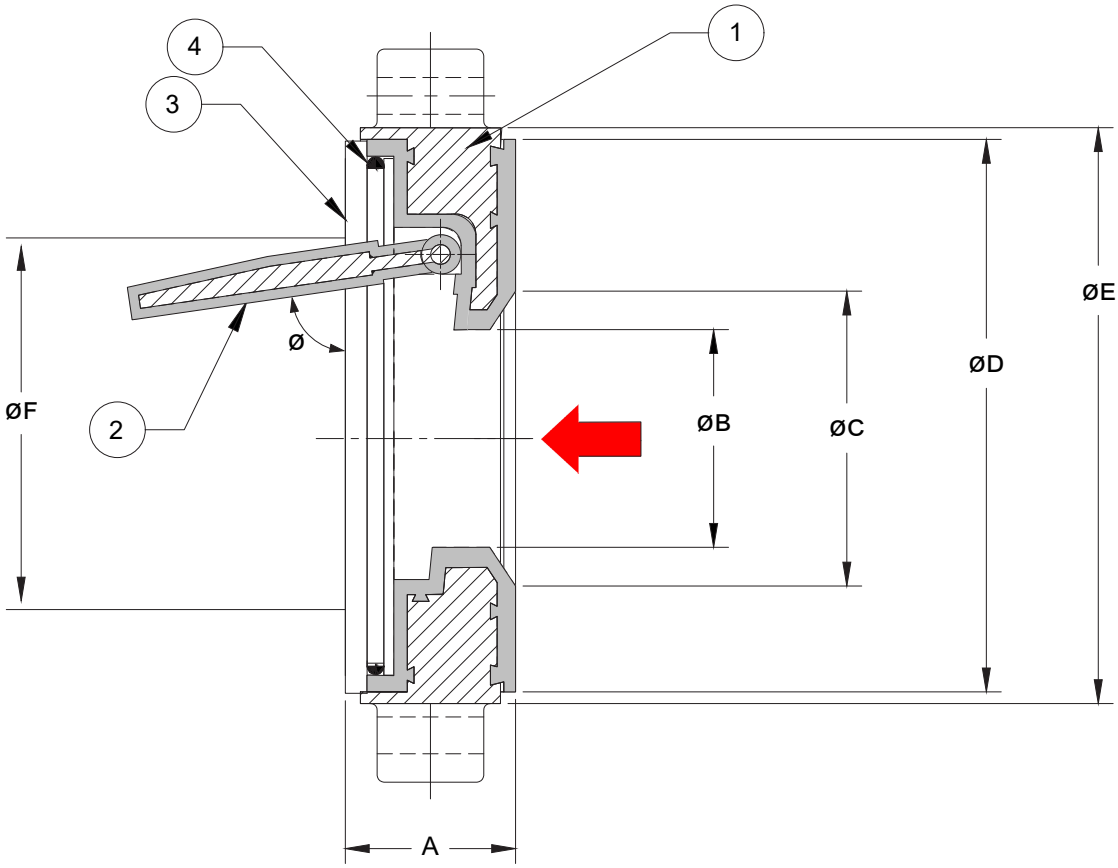
Temperature Range	
ASTM A216 WCB	-20°F to +400°F
ASTM A351 CF8M	-49°F to +400°F

Tests Performed	EN 12266-1	
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	KVDC
Testing Done At	20 KVDC

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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 MPTFE	1
4	D Ring	Viton or EPDM	1



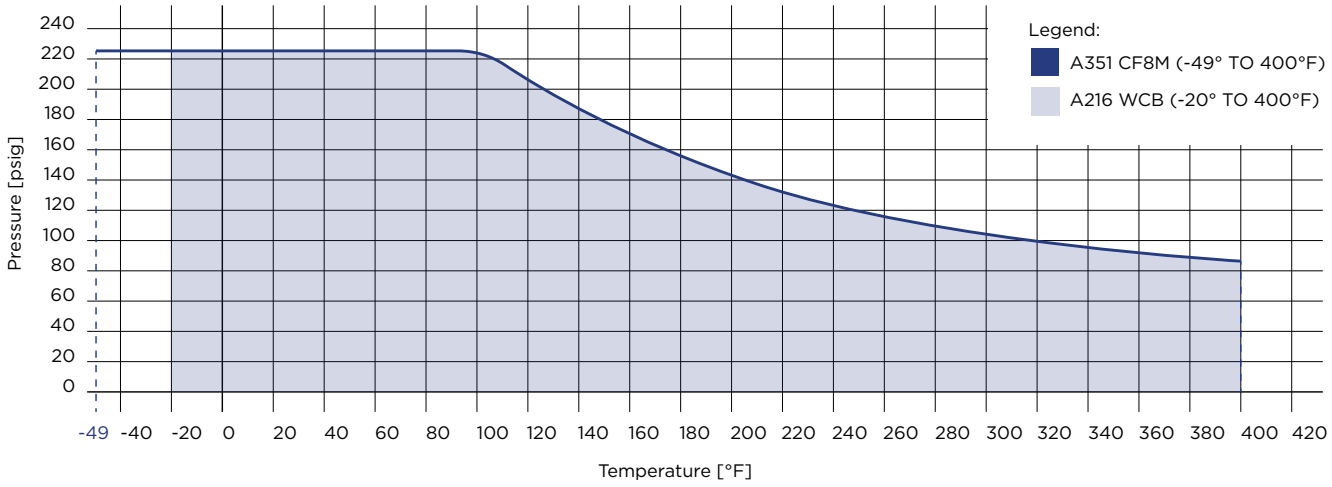
DIMENSIONS (in)/TECHNICAL INFORMATION

Size	A ±0.12	øB ±0.04	øC ±0.04	øD ±0.04	øE ±0.08	øF ±0.04	Cv	Cracking Pressure (PSIG)	Weight (lbs)	ø - Maximum Opening Angle (Degrees)
2 in	1.57	1.06	1.89	3.62	4.00	1.97	40	0.12	4.0	59
3 in	1.81	1.69	2.36	4.96	5.31	3.35	100	0.21	5.6	68
4 in	2.01	2.56	3.15	6.50	6.73	4.33	234	0.21	14.1	75
6 in	2.20	4.37	5.04	8.30	8.62	6.10	667	0.22	20.5	74
8 in	2.40	5.23	6.89	10.60	10.79	7.95	1404	0.35	37.5	70
10 in	2.68	7.24	8.82	12.81	13.19	9.96	1955	0.30	64.0	73
12 in	3.07	9.13	10.71	15.20	15.98	11.97	3106	0.34	104.0	71
14 in	3.46	9.06	10.83	16.73	17.44	12.20	3200	0.44	154.0	75
16 in	4.01	11.80	12.99	18.50	19.29	15.35	5193	0.48	199.0	68
18 in	4.50	13.38	14.74	21.00	20.66	17.32	5652	TBA	262.0	72

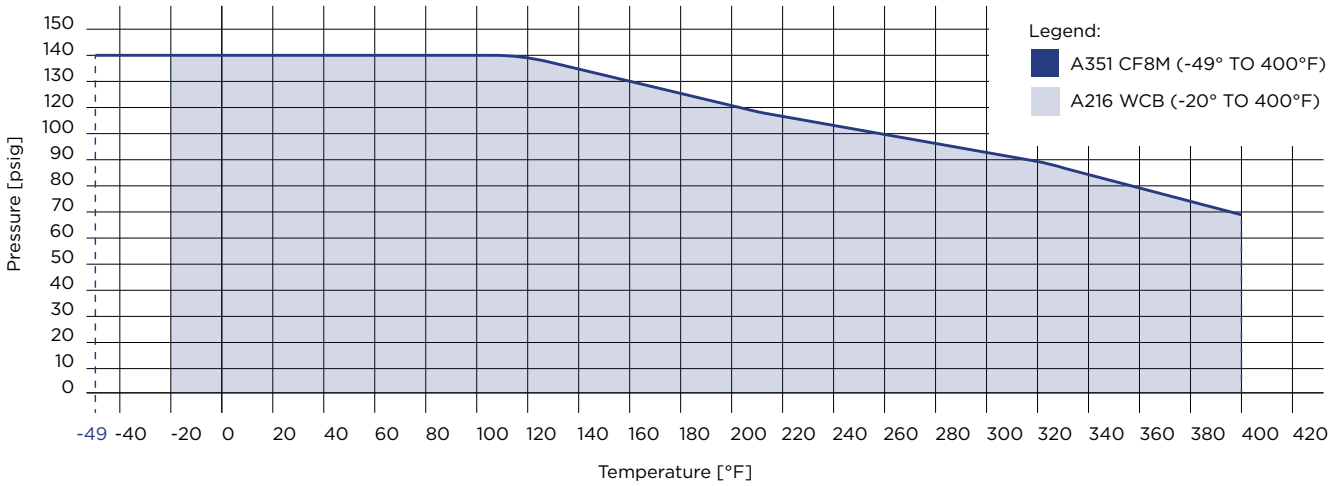
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P-T GRAPH | SWING CHECK VALVE (SCV)

2” - 8”



10” - 18”



SWING CHECK ORDER INFORMATION

MODEL
SCV

SIZE
2 to 18 in

BODY STYLE	
W	Wafer

FLANGE CONNECTION	
A	ASME B16.5 Class 150
D	DIN PN10

BODY MATERIAL	
1f	Carbon Steel (A216 WCB) PFA Lined, Epoxy Coated
6Mf	316 SS (A351 CF8M) PFA Lined

FLAP MATERIAL	
6f	304 SS PFA Lined
6Mf	316 SS PFA Lined

LOCKING RING	
P	PTFE
T	MPTFE

D-RING	
E	EPDM
V	Viton

EXAMPLE

> **4 inch SCV-W-A-1f-6f-P-V** = 4 inch Swing Check Value, ASME Class 150 Connection, Carbon Steel Body - PFA Lined, 304 SS Flap - PFA Lined, PTFE Locking Ring, Viton D-Ring

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