

SPECIFICATIONS

Design Parameters	Standard
Shell Design	ASME B 16.34
Face To Face Dimensions	ASME B 16.10 UP TO 4" 6" and larger MFR'S STANDARD ¹
Flange Connection Rating	ASME B 16.5 150# / DIN PN 10
Testing Standard	BS EN 12266-1
Connection	FLANGED, RF

Pressure / Temperature Ratings

½" - 4"	225 psig at 104°F 85 psig at 400°F
6" - 8"	85 psig at 140°F 28 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	½" - 4"	6" - 8"
High Pressure Shell Test Hydro	340 PSI	128 PSI
High Pressure Seat Test Hydro	250 PSI	94 PSI
Low Pressure Seat Test Pneumatic	45 PSI	45 PSI

Spark Test **KVDC**

Testing Done At	20 KVDC
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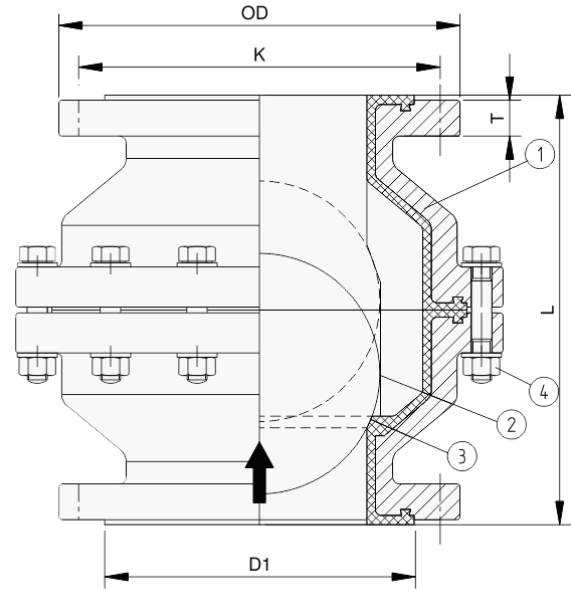
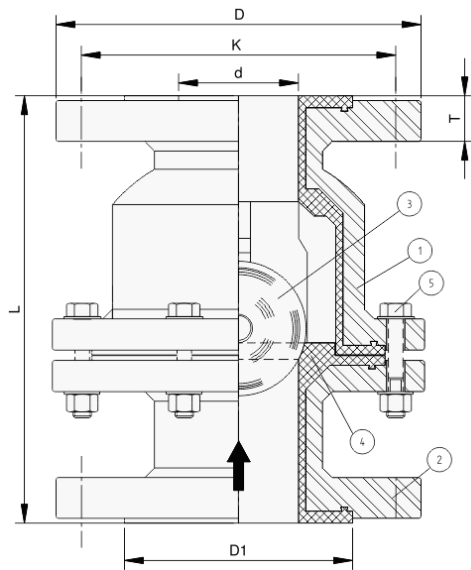
Notes:

¹ ¾, 1 ¼, 2 ½, 6 and 8 inch per manufacturers standard face to face.



FLANGED ENDS
BALL CHECK VALVE (BCV)

Part No.	Description	Materials of Construction	Qty
1	Body	ASTM A 216 GR. WCB or A351 CF8M PFA LINED, 3mm minimum thickness	1
2	Side Piece	ASTM A 216 GR. WCB or A351 CF8M PFA LINED, 3mm minimum thickness	1
3	Ball	SOLID PTFE / TFM	1
4	Seat	INTEGRAL PFA	1
5	Fasteners	ASTM A 193 GR. B7 / 2H	4-8

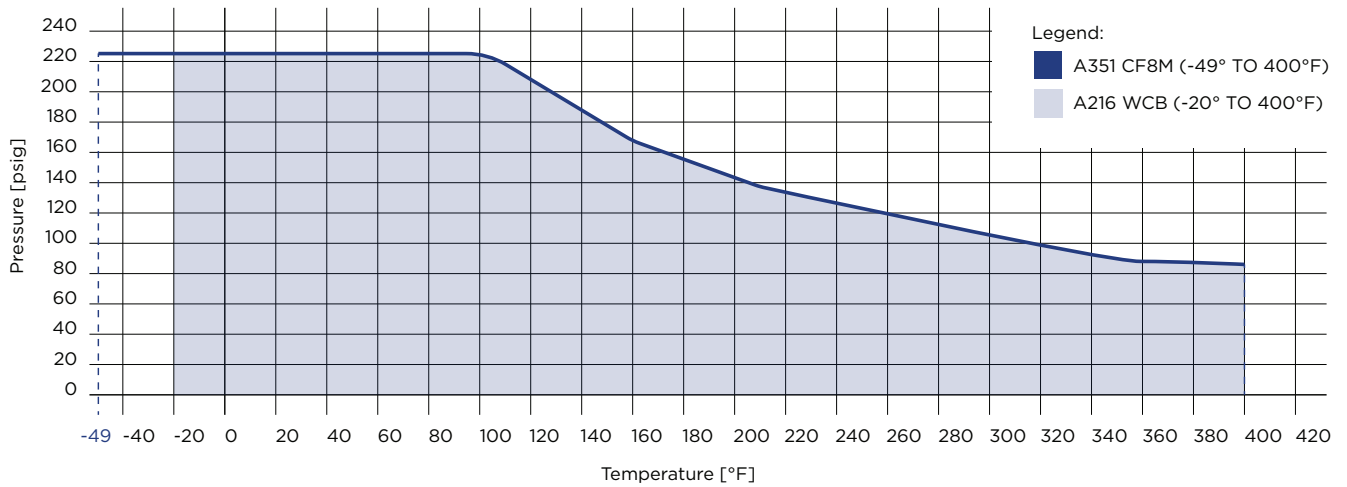


DIMENSIONS (in)

Size	L ±0.12	d ±0.04	D ±0.03	D1 ±0.03	T ±0.11 / -0.00	K ±0.06	Bolt Hole ø	n
½ in	4.25	0.49	3.54	1.38	0.47	2.36	⅝	4
¾ in	5.00	0.70	4.25	1.69	0.59	2.71	⅝	4
1 in	5.00	0.90	4.25	2.00	0.59	3.11	⅝	4
1 ¼ in	6.49	1.20	5.00	2.51	0.74	3.50	⅝	4
1 ½ in	6.49	1.49	5.00	2.87	0.74	3.86	⅝	4
2 in	7.00	1.96	5.98	3.62	0.80	4.76	¾	4
2 ½ in	7.99	2.55	7.51	4.13	0.98	5.51	¾	4
3 in	7.99	2.95	7.51	5.00	0.98	5.98	¾	4
4 in	9.01	3.93	9.00	6.18	0.98	7.51	¾	8
6 in	11.90	5.90	11.02	8.50	0.98	9.48	⅞	8
8 in	16.70	7.87	14.60	10.60	1.10	11.70	⅞	8

P-T GRAPH | BALL CHECK VALVE (BCV) & PISTON CHECK VALVE (PCV)

1/2" - 4"



6" - 8"

