GBCV SERIES

GRAVITY BALL CHECK VALVE

KEY BENEFITS

- Gravity ball design — no springs or hinges to wear
- 2000 / 5000 PSI NSCWP · NACE MR-0175
- Teflon seat · Viton O-ring · 1″ & 2″ NPT



GRAVITY BALL CHECK VALVE

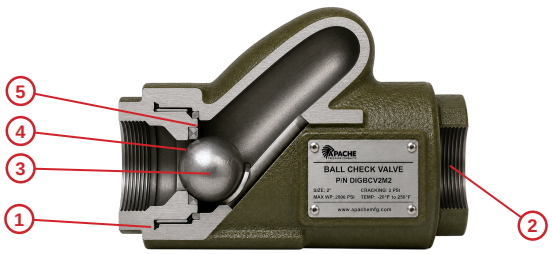
OVERVIEW

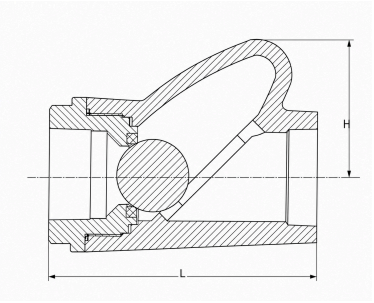
The Apache GBCV Series is a gravity-operated ball check valve for dependable reverse-flow prevention. The angled body seats a stainless ball on a Teflon seat by gravity — no springs, hinges, or discs to wear — making it well suited to sandy, abrasive, and intermittent-flow service. Offered in ductile iron (2000 PSI NSCWP) and carbon steel or 316 stainless (5000 PSI NSCWP) with 1″ and 2″ threaded NPT ends.

DIMENSIONAL DATA

PART #	NPS	BODY	WP (PSI)	THREAD	L	H	WT (LB)
DIGBCV2M1	1″	A395 Ductile Iron	2000	1″-11.5 NPT	4.49	2.08	4.13
DIGBCV2M2	2″	A395 Ductile Iron	2000	2″-11.5 NPT	6.62	3.35	12.17
CSGBCV5M1	1″	A216 WCB Carbon Steel	5000	1″-11.5 NPT	4.49	2.08	4.13
CSGBCV5M2	2″	A216 WCB Carbon Steel	5000	2″-11.5 NPT	6.62	3.35	12.17
SSGBC5M1	1″	A351 CF8M (316SS)	5000	1″-11.5 NPT	4.49	2.08	4.13
SSGBC5M2	2″	A351 CF8M (316SS)	5000	2″-11.5 NPT	6.62	3.35	12.17

Dimensions in inches; weights in lb. L = end-to-end length · H = centerline-to-top height, per factory drawing. WP = non-shock cold working pressure (NSCWP). 1″ and 2″ bodies are shared across materials. Shell / seat tested per API 598. * Ductile Iron is outside of ASME B16.34's scope.





STANDARDS & OPTIONS

Pressure Rating	2000 / 5000 PSI NSCWP
Valve Style	Gravity ball check · Teflon seat
Design & Manufacture	ASME B16.34*
Thread Ends	ANSI/ASME B1.20.1 NPT
Pressure Test	API 598
Compliance	NACE MR-0175
Sizes	1″, 2″

MATERIALS / CONSTRUCTION

#	COMPONENT	MATERIAL
1	Body	A395 DI / A216 WCB / A351 CF8M
2	Cap	A395 DI / A216 WCB / A351 CF8M
3	Ball	Stainless Steel
4	Seat	Teflon
5	O-Ring	Viton

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The information presented here reflects our current design specifications. Apache Pressure Products may change design and/or material specifications without prior notice. Please consult with our sales experts for specific requirements.