



CV-600 SERIES

CLASS 600 FLANGED SWING CHECK VALVE

KEY BENEFITS

- ANSI Class 600 · swing check
- A216 WCB body · A351 CF8M disc
- Bolted bonnet · 2"–4"



CLASS 600 FLANGED SWING CHECK VALVE

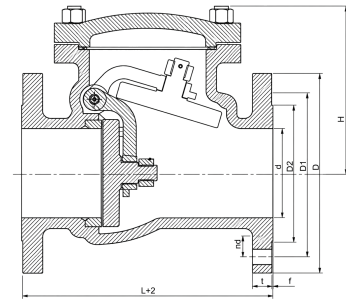
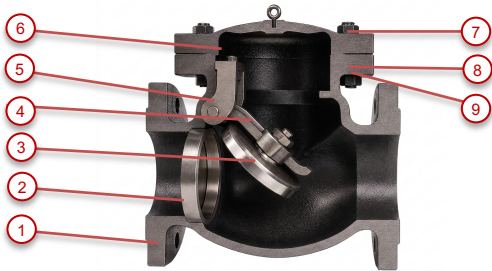
OVERVIEW

The Apache CV-600 Series is a Class 600 flanged swing check valve in ASTM A216 WCB cast steel with an ASTM A351 CF8M stainless disc, A105/Viton seat, and bolted bonnet. Built for high-pressure pipeline and process non-return service in 2", 3", and 4" sizes.

DIMENSIONAL DATA

NPS	L	D	H	D	D1	D2	N-Ø	F	T(MIN)	WT (LB)
2"	11.50	1.97	6.36	6.50	5.00	3.62	8 × Ø0.75	0.28	1.28	47
3"	14.02	2.99	8.07	8.27	6.63	5.00	8 × Ø0.87	0.28	1.54	89
4"	17.01	4.02	9.51	10.83	8.50	6.20	8 × Ø1.02	0.28	1.79	170

Dimensions in inches; weights in lb. L = face-to-face · d = bore · H = overall height · D = flange OD · D1 = bolt circle · D2 = raised-face OD · n-Ø = bolt count × hole dia · f = raised-face height · T(Min) = minimum wall thickness. Flanges per ASME B16.5 Class 600.



STANDARDS & OPTIONS

Pressure Rating	ANSI Class 600
Design	Flanged swing check valve
Body / Bonnet	ASTM A216 WCB (bolted bonnet)
Disc	ASTM A351 CF8M
Seat	ASTM A105 / Viton
End Connections	ANSI Class 600 flanged (raised face)
Sizes	2", 3", 4"

MATERIALS / CONSTRUCTION

#	COMPONENT	MATERIAL
1	Body	ASTM A216 WCB
2	Seat	ASTM A105 / Viton
3	Disc	ASTM A351 CF8M
4	Hinge	ASTM A216 WCB
5	Hinge Pin	ASTM A276 420
6	Gasket	FLEX Graphite / 304
7	Bonnet	ASTM A216 WCB
8	Bonnet Bolt Nut	ASTM A194 Gr. 2H
9	Bonnet Bolt	ASTM A193 Gr. B7

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