# 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

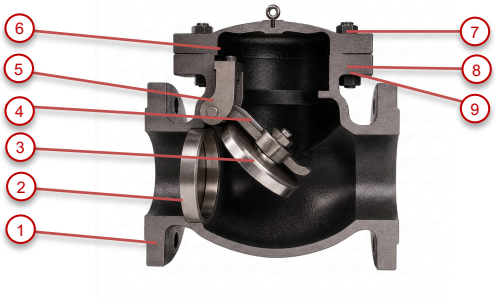
### OVERVIEW

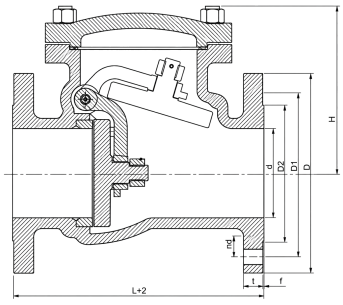
The Apache CV-600 Series is a Class 600 flanged swing check valve in ASTM A216 WCB cast steel with an ASTM A351 CF8M stainless disc, A105/Viton seat, and bolted bonnet. Built for high-pressure pipeline and process non-return service in 2", 3", and 4" sizes.

### 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" |
| **Testing** | API 6D |

### 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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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.