VR-150A SERIES

CLASS 150 TRUNNION-MOUNTED FLANGED BALL VALVE

KEY BENEFITS

- API 6D · ANSI Class 150 · trunnion mounted
- Forged A105 body · ENP ball · 4140 stem
- Fire-safe API 607 · NACE MR-0175 · gear operated



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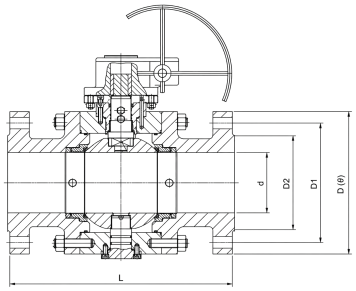
OVERVIEW

The Apache VR-150A Series is an API 6D, ANSI Class 150 trunnion-mounted flanged ball valve with a forged ASTM A105 body. It carries an electroless-nickel-plated (ENP) ball, 4140+ENP stem, and RPTFE seats with PTFE+SS bearings and a 17-7PH spring, and is gear-operated in 8", 10", and 12" sizes. Fire-safe to API 607, anti-static, and NACE MR-0175 compliant.

DIMENSIONAL DATA

NPS	DN	D	L	D	D1	D2	N-Ø	B	TORQUE
8"	200	7.91	18.00	13.50	11.75	10.63	8 × Ø0.91	1.02	540
10"	250	9.92	21.00	16.00	14.25	12.75	12 × Ø1.00	1.20	830
12"	300	11.93	24.00	19.00	17.00	15.00	12 × Ø1.00	1.25	1400

Dimensions in inches; DN in mm. d = bore · L = face-to-face · D = flange OD · D1 = bolt circle · D2 = raised-face OD · n-Ø = bolt count × hole dia · b = flange thickness · Torque = operating torque (N·m). Flanges per ASME B16.5.





STANDARDS & OPTIONS

Design / Manufacture	API 6D
Pressure Rating	ANSI Class 150
Flange	ASME B16.5
Pressure / Temp Rank	ASME B16.34
Fire Safe	API 607, anti-static
Testing	API 6D · shell 3.0 / seat 2.2 / air 0.4–0.7 MPa
Service / Temp	W.O.G · –29 to 120 °C
Operation	Gear operated
Compliance	NACE MR-0175
Sizes	8", 10", 12"

MATERIALS / CONSTRUCTION

#	COMPONENT	MATERIAL
1	Body	ASTM A105 (forged)
2	Bonnet	ASTM A105
3	Ball	A105 + ENP
4	Stem	4140 + ENP
5	Seat	RPTFE
6	Seat Ring	A105 + ENP
7	Bearings	PTFE + SS
8	Spring	17-7PH
9	Anti-Static Device	SS316
10	O-Rings	Viton
11	Sealing Gaskets	Graphite + SS
12	Studs / Bolts	ASTM A193 B7M
13	Nuts	ASTM A194 2HM
14	Yoke / Stuff Box / Cover	ASTM A105
15	Vent / Injection / Drain	CS + Zn
16	Operator	Gear assembly

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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.