

VENDOR CATALOG / AVCO VALVE

AVCO Valve Catalog

Ball valves, knife gate valves, high-performance butterfly valves, and a dedicated Chlorine Service Ball Valve — forged/cast, engineered in the USA.

CHEMISTRY-SPECIFIC VALVE

Chlorine Service Ball Valve

Complies with Chlorine Institute Pamphlet 6, appropriate for Chlorine Service Classes I & IV — a real, named industry chlorine-handling standard.



Chlorine Service Ball Valve

1/4"–4" • Class 300 or 2000 WOG

Carbon steel (WCB) body and ends; ball, stem, and retainers in Monel 400 or Hastelloy C (full-Monel or full-Hastelloy also offered). Ball is vented to provide pressure relief during operation. B7 body bolts and 2H nuts. 1100 Series (full port) or 1900 Series (V-ball, throttling) configuration. Seats: 25% Carbon Filled Teflon or Teflon.

BALL VALVE FAMILIES

1100 • HP1100 • 1500 • 9100

Model	Size Range	Rating	Notable
1100 Series	1/4"–4"	Class 600, 3000 WOG opt.	Fire-safe (API 607), floating full-port ball
HP1100 Series	1/2"–2"	Class 2500, 6000 WOG	Highest pressure rating of any AVCO ball valve
1500 Series	1/4"–4"	Class 600, 2000 WOG	Cryogenic bonnet extension; Hastelloy C/Monel 400; LNG, liquid oxygen
9100 Series	1/2"–12"	Class 150/300	Flanged; 316SS, Carbon Steel, Hastelloy C, or Alloy 20





SOLIDS-HANDLING & LARGE-DIAMETER ISOLATION

6100 Series Knife Gate • BFV HP Butterfly



6100 Series Knife Gate Valve

2"-24" • Class 150, 150# lug ends

304SS, 316SS, or Hastelloy body/shim. Gates polished/lapped on both sides with a machined bevel to cut through solids — purpose-built for slurry/solids-laden service. Meets MSS-SP-81 and TAPPI TIS 405-8. Named industries: food & beverage, paper & pulp, chemical, wastewater.



BFV HP High Performance Butterfly Valve

Class 150: 2"-60" • Class 300: 2"-36"

Real size ceiling: 60" at Class 150, the largest single valve size found from AVCO. Double offset disc for bi-directional bubble-tight shut-off. Meets API 609 Type B, API 598, ASME B16.5/B16.47.

ACTUATION & INSTRUMENTATION

Electric & Pneumatic Actuators, Flow Measurement

Seal-by-service-temperature matrix: Buna standard → Viton for high temperature → LNBR for cryogenic service — the correct spec when pairing an AVCO actuator with a cryogenic valve series.

Product	Range	Notable
Electric Actuators (P/PS Series)	135–40,000 in.lbs	–40°F to 150°F, NEMA 4/4X, field-convertible 2-position/proportional
Pneumatic Actuators (C/AA Series)	195–28,500 in.lbs	–30°F to 300°F, Buna/Viton/LNBR seal options
Pneumatic Actuators (Q Series, Compact)	169–15,900 in.lbs	~79% higher torque per footprint, rated 2M+ cycles
Orifice Plates & Venturi	1/2"–24"	ASME MFC-3M/AGA 3/ISO 5167-2; Venturi ±1-2% uncalibrated accuracy

NEXT STEP

Send LibertyCES the process data, not a part number.

Ball valves, knife gate valves, high-performance butterfly valves, chlorine service valves, and actuation — real AVCO model specs, but your actual application still has a specific chemical, pressure class, and size that determines the correct model.

Fluid, chemistry, concentration, temperature, pressure class, and line size — that's what a real spec review needs to start.

Request a spec review

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