

COOPER[®]

Valves

The Complete Catalog



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COOPER[®] Valves Company Information



Our History

COOPER[®] Valves was founded in 1930 and in 1934 COOPER's foundry developed the first successful technique to pour 304 stainless steel. Since then COOPER has become a well-respected and approved valve manufacturer that specializes in exotic alloys valves, serving the downstream and mid-stream chemical, petrochemical, oil and gas, water, power, mining and refining industries for over 80 years. COOPER's success is derived from its dedication to building dependable valves through advanced engineering, experienced personnel, controlled manufacturing processes, and a wide level of end-users approvals. In 2013 COOPER Valves expanded its product offering and acquired industry leading metal-seated ball valve manufacturer Accuseal.

Our Mission Statement

To manufacture and deliver to our customers the finest valves in the world.

Our motto is "Quality without Compromise". We strive to make every valve we produce "bullet proof" because we know that our quality directly impacts our end users, our community, and our environment.

Cooper's vision is to grow and maintain our market position as the leading manufacturer and supplier of high alloy and nickel valves in a global market, still proudly made in the USA.

We believe through hard work, intelligent decision making and effective management we can deliver the highest quality, shortest lead delivery products to our client base at a fair price.

We believe that our employees and their dedication to preserving and protecting our core values will be our basis for success. We are all like-minded people with shared beliefs in striving to always do the best.

Our Products

COOPER® Valves manufactures a complete line of Gate, Globe, Check and Ball valves from small diameter investment castings to large diameter sand castings, sizes 1/4" thru 24", ASME Class 150 thru 4500, in stainless steel or exotic alloys, or special design upon application. COOPER valves are manufactured to applicable sections of ASME and API standards and are used in almost every critical and severe service application.

COOPER specializes in the manufacture of high and exotic alloy valves featuring a complete product offering of multi-turn gate, globe and check valves and quarter turn floating type ball valves incorporating both resilient and metal seated designs.

COOPER Accuseal is the newest addition to the COOPER Valves lineup. The COOPER Accuseal product line consists of metal-seated ball valves designed for critical and severe service applications. The valve currently offered are Steam Power Valves (SPV), Critical Service Valves (CSV), and Automated Relief Valves (ARV).



Typical Applications

The attention to detail we put into our products ensures a higher standard of dependability. This dependability allows COOPER® Valves to be installed in a wide range of applications and various service extremes.

High Temperature (+1100°F)
Cryogenic Service (-320°F)
Corrosive/Erosive
Toxic/Lethal

Fugitive Emissions
Abrasive/Slurry
Special/Severe
(Autoclave Process-Gold/Nickel Mining)

COOPER Features and Benefits

- Largest Offering of Nickel Alloy Materials
- Wide Range of Severe Service Applications
- Material Test Reports
- International Organization for Standardization (ISO 9001)
- Traceability / Serial Numbers
- RFID Enabled with IDS Tracelt+
- API-591 Tested
- API-598 Tested
- Major End-User Approvals
- Extensive Engineering Capabilities
- Excellent Customer Service
- Extended Warranty Program
- Quick Deliveries & Stock
- Recognized Highest Industry Quality
- Extensive NDE Availability
- Tested for Low Fugitive Emissions

Why should you consider COOPER Valves?

- Highest Quality Products Available
- Friendly and Educated Staff
- Fast and Reliable Service
- Short Lead Times
- Still Proudly Made in the USA

Industries COOPER Valves serves

- Chemical/Petrochemical
- Refining
- Mining
- Slurry/Autoclave
- Power

Available Inventory for Quick Delivery

COOPER maintains an inventory that is ever changing based upon market conditions. If you have any quick delivery or inventory needs please contact the factory at 1-800-480-0832 or sales@coopervalves.com
Quality and Customer Specified Tests

Certifications

ISO 9001:2008



CE/PED



CRN



Services

Manual Operations

- Worm Gears, Spur Gears, Bevel Gears, and Reach Rods
- Table Stands, Extension Systems, and Brackets
- Shop Installation Services

Valve Automation

- Electric, Hydraulic, and Pneumatic Automation
- Multi-turn, Quarter-turn, and Linear
- New Applications

Valve Modification

- By Passes, Bore Changes, Mounting Plates, Stem Extensions, Limit Switches, Trim Changes, etc.

Testing

- Radiography Testing
- Dye Penetrant Testing
- Ferrite Content Testing
- Hardness Testing
- Corrosion Evaluation Testing
- Chlorine Cleaning
- Oxygen Cleaning
- Phosgene Cleaning



Body and Bonnet Materials

COOPER® Valves are available in a wide range of body/bonnet and trim materials. Listed below are some of the more popular materials. Additional materials are available upon request. Please contact COOPER Valves or your local distributor for details.

Cast ASTM's	Wrought Designations -- Cast Designations					
A351 A743 A744	303 SS	CF16F	310 SS	CK20	317L SS	CG3M
	304 SS	CF8	316 SS	CF8M	347 SS	CF8C
	304H SS	CF10	316L SS	CF3M	Alloy 20	CN7M
	304L SS	CF3	317 SS	CG8M	-	-
A351 A494	254 SMO	CK3MCuN	Hastelloy C	CW12MW	Hastelloy C22	CX2MW
	AL6XN	CN3MN	Hastelloy B	N12MV	Inconel 600	CY40-1
	Incoloy 800	CT15C	Hastelloy B2	N7M	Nickel 200	CZ100
	Monel 400	M35-1	Hastelloy C4	CW2M	Inconel 625	CW6MC
	-	-	-	-	Incoloy 825	CU5MCuC
A890 A995	Duplex 2505	CD4MCu**	GR.1A	Duplex 2507	CE3MN	GR.5A
		CD4MCuN	GR.1B		CD3MWCuN	GR.6A
	Duplex 2205	CD3MN	GR.4A	-	-	-
A990	Modified Alloy 20	CN3MCu				
B367	Titanium GR.2			Titanium GR.7B		
	Titanium GR.3			Titanium GR.12		
B752	Zirconium GR.702C					
	Zirconium GR.705C					
Forged ASTM's	Wrought Designations -- Forged Designations					
A182	F316L	F316	F316H	Dual Certification (L)		
	F304L	F304	F304H	Dual Certification (L)		
	-	F347	F347H	Dual Certification (H)		
	-	F317	F317H	-		
	F321L	F321	F321H	Dual Certification (H)		
	F51	F53	F55	-		
B462	N08020					
B564	N04400					
	N10276					
	N06625					
	N08825					
	N06600					

* Limitations are per 2004 Edition of ASME B16.34.

** Per 2007 Edition of ASTM A890

Note: Trim materials are typically same as body/bonnet materials unless requested otherwise.