

Codes & Standards

CODES & STANDARDS

	ALC®	Basic-Check®	BNC®	DLC®	DSV®	Excalibur®	FBC®	GLC & GLC-Cast Iron	PDC®	Restrictor Check	SCV®	SCV-R®	TLW®	Vacuum Breaker	WLC & WLC-Cast Iron	Y-Calibur®
ASME/ANSI																
B1.1	X										X	X	X		X	
B1.20.1		X								X	X	X		X		
B16.5	X			X		X		X	X				X		X	X
B16.10				X		X			X							X
B16.11		X								X	X	X		X		
B16.20						X		X	X						X	
B16.25			X			X					X	X				X
B16.34	X		X	X		X	X	X	X		X	X	X		X	X
MSS																
SP-6	X			X		X	X	X	X				X		X	
SP-25	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
SP-61	X		X	X	X	X	X	X (1)	X		X	X	X		X (1)	X
SP-125								X (2)							X (2)	
SP-126				X		X		X (3)	X		X	X			X (3)	X
SP-144																X
ASTM																
A126 CLASS B								X							X	
A216GR WCB	X		X			X		X	X				X		X	X
A351GR CF8M	X		X	X		X		X	X		X	X	X		X	X
A351 CF3M			X		X											
API 6D*																
6FA						X (4)(9)		X (5)(9)	X							
594	X												X		X (6)	
598	X		X		X	X		X(1)					X		X (1)	X
PED	X					X		X (3)	X		X		X		X (3)	
3A 58-02																
CRN	X	X (7)		X		X	X	X	X	X (7)	X		X	X (7)	X	X
NACE	X (8)			X (8)		X (8)		X (8)	X (8)		X (8)	X (8)	X (8)		X (8)	X (8)

ASME B1.1	Unified Inch Screw Threads	ASTM A126	CLASS B Grey Iron Castings
ASME B1.20.1	Pipe Threads, General Purpose	ASTM A216 GR WCB	Carbon Steel Castings
ASME 16.5	Pipe Flanges & Flanged Fittings.	ASTM A351 GR CF8M	Austenitic Steel Castings
ASME 16.10	Face-to-Face & End-to-End Dimensions of Valves	API Q1	Quality Management System specification for manufacturing organizations for the petroleum and natural gas industry.
ASME 16.11	Forged Fittings, Socket-Welding and Threaded	API 6D	Pipeline and Piping Valves
ASME 16.20	Ring-Joint Gaskets & Grooves for Steel Pipe Flanges	API 6FA	Standard for Fire Test Valves
ASME 16.25	Buttwelding Ends	API 594	Wafer & Wafer-Lug Check Valves
ASME 16.34	Valves - Flanged, Threaded & Welding Ends	API 598	Valve Inspection and Testing
ISO 9001-2015	Quality Management System requirements to consistently provide products and services that meet customer and applicable statutory and regulatory requirements.	PED	Pressure Equipment Directive #2014/068/EU
MSS SP-6	Standard finishes for contact faces of pipe flanges and connecting end flanges of valves & fittings	3A	Standard 58-02: Vacuum Breakers and Check Valves
MSS SP-25	Standard marking system for valves, fittings, flanges and unions	CRN	Canadian Registration Number
MSS SP-61	Pressure testing of steel valves	NACE MR 0175 / ISO 15156	Petroleum and Natural Gas Industries-Materials for use in H2S Containing Environments in Oil and Gas Production
MSS SP-125	Grey Iron & Ductile Iron In-Line Check Valves	NACE MR 0103 / ISO 17945	Material resistant to sulfide stress cracking in corrosive petroleum refining environments
MSS SP-126	Steel In-Line Spring-Assisted Center Guided Check Valves		
MSS SP-144	Pressure Seal Bonnet Valves		

Notes:

1. Class 125 and 250 Cast Iron valves are leak tested in accordance with AWWA.
2. Cast Iron Valves only.
3. Except Cast Iron Valves.
4. Contact DFT for API 6FA qualified size/class.
5. ASME Class 150 & 300, 2" to 24" only.
6. ANSI Class 600 RF and 900/1500 RF valves meet face-to-face dimensions.
7. Contact DFT for acceptable materials.
8. Contact DFT for NACE.
9. NAB Valves do not meet API requirements.

* Contact DFT for current codes and standards.