



# COMPLIANCE STANDARDS

## Ball Valves

### VALVE SPECIFICATIONS

#### SIZE

1/4", 3/8", 1/2", 3/4", 1", 1 1/4", 2" 2 1/2", 3" 4", 6"

#### STYLE

3-piece – 1 piece flanged – nominal port – full port  
optional. Diverter. Blow out proof stem.

#### Body Material

Carbon Steel	ASTM A216-WCB	(Casting)
Carbon Steel	ASTM A105	(Forging)
Stainless Steel	ASTM A351-CF8M	(Casting)
Stainless Steel	ASTM A812-F316	(Forging)
Alloy 20	ASTM A743-CN7M	(Casting)

#### BODY CONNECTOR/END PLUG

Carbon Steel	ASTM A216-WCB	(Casting)
Carbon Steel	ASTM A105	(Forging)
Stainless Steel	ASTM A351-CF8M	(Casting)
Stainless Steel	ASTM A182-316L	(Forging)
Alloy 20	ASTM A743-CN7M	(Casting)

#### BALL

Stainless Steel	ASTM A276-316
Alloy 20	ASTM B473- (UNS NO80200)
Monel	ASTM B164- (UNS N04400)
Hastelloy C	ASTM B574- (UNS N10276)

#### STEM

Stainless Steel	ASTM A276 A276-316
Stainless Steel	ASTM A564-630 (17-4PH)
Alloy 20	ASTM B473- (UNS NO8020)
Hastelloy C	ASTM B574- (UNS N10276)

#### BALL SEAT RING

P.T.F.E	Virgin Teflon
F.T.F.E.	Filled Glass Fibers
N.R.G.	Carbon, Glass, Graphite, Filled P.T.F.E.
DELIN	Acetal Resin
U.H.M.W.P.E	Ultra High Molecular Weight Polyethylene
P.E.E.K.	Poly Ether Ether Ketone

#### BODY SEAL

BUNA N.	Nitrile Rubber
VITON	Fluorocarbon
E.P.D.M.	Ethylene Propylene
P.T.F.E.	Virgin Teflon
GRAPHOIL	Expanded Graphite

#### STEM THRUST BEARING

N.R.G.	Carbon Fiber, Filled T.F.E.
U.H.M.W.P.E.	Ultra High Molecular Weight Polyethylene
NYLATRON	Nylon

#### STEM SEAL

N.R.G.	Carbon Fiber Filled
R.T.F.E.	Glass Fibers, Filled
VITON	Fluorocarbon
E.P.D.M.	Ethylene Propylene
GRAPHOIL	Expanded Graphite
U.H.M.W.P.E.	Ultra High Molecular Weight Polyethylene

In addition to the fore-mentioned, the following  
International Standards are complied with:

ANSI	API	ISO	DIN	B.S.	MSS
B1.20.1	6D	228/1	931	21	SP25
B16.5	607	898	933	5129	SP72
B16.10			4014	934	5351
B16.11			4032	2543	6755
B16.25			4162	2545	
B16.34			4762	2999	
B18.2.4.1.M			5208	3202	
B18.2.3.1			5209	3239	
			5752	3357	
			7005/1	050049.3.1.B	
			7121		

#### High Purity Ball Valves

ASME/BPE-1997  
BSI/CE/PED for clean steam

Contact SVF for other requirements.