

HARDBALL

C 8000

Cast-Iron Full Port
Flanged-End Ball Valve



Engineered to replace Class
125 Iron Gate Valves and
Class 150 Plug Valves

www.qcvalve.com



HARDBALL

C 8000

Superior Design, Superior Results

Quality Certified Valve Company's **Hardball C8000 Ball Valve** conforms to ANSI Standard B16.10, to replace gate and eccentric plug valves. The **Hardball C8000** end-to-end and flanged dimensions exactly match cast-iron gate valves and plug valves.

Superior Shut-off

The precision engineering and superior design of the **Hardball C8000** features Class 6 bubble-tight positive shutoff. Gate and plug valves, which are known to leak upon installation, achieve only Class 4 non-positive shutoff.

Superior Flow Rate

Full port design of the **Hardball C8000** yields 50 - 75% greater flow rate compared to the flow rate of conventional gate valves. Example: 6" C8000 Ball Valve flow rate = 5,470 GPM,
6" Gate Valve flow rate = 3,175 GPM.

Superior Seal

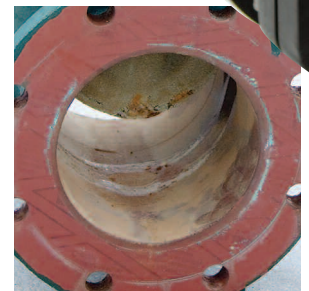
The **Hardball C8000's** blow-out proof Stainless-Steel stem and Chevron PTFE Teflon Stem-Seal packing eliminates leakage of air, fluids and steam. Plus, the **C8000's** reinforced Teflon Seats are not exposed to abrasion or line pressure, unlike the gate's exposed bronze seat. Gate valves require costly on-going maintenance to limit leakage.

Superior Ratings

QC's **Hardball C8000** is NSF 61-8/California Prop65 approved; AWWA C507-99 Proof of Design Tested, Tested to API 598, with an FDA Food-grade Epoxy coated body. Inferior gate valves cannot meet the rigid testing and Safe Drinking Water Standards of the **Hardball C8000**.

Superior Quarter Turn Design

The **Hardball C8000** can be locked either fully open or closed. With its ISO 5211 Mounting Pad, the C8000 can be easily and cost-effectively actuated, whereas multi-turn gate valves cannot be effectively or affordably automated.



It's called *HARDBALL* for a reason!

Superior Materials

Quality Certified Valve Company's **Hardball C8000** Ball Valve—constructed with a FDA food-grade epoxy powder coating body—is twice as strong as the competition's Ball.

Superior Strength

Quality Certified's exclusive, Teflon-fused ductile-iron ball has a tensile strength of 65,000 vs. 31,000 for the competitor's inferior cast-iron ball (figure 1).

The fused Teflon non-stick coating prevents pitting, corrosion, and build-up of calcium, lime and sludge. This significantly increases lubricity while reducing torque and premature failure that normally results.

Superior Performance

QC's **Hardball** features superior stem-to-ball engagement, ensuring positive leak-proof shut-off and control. Traditional cast-iron used in other ball valves is less than half the tensile strength of ductile. Through normal use, cast-iron balls can wear prematurely, damaging the stem-to-ball engagement and the ball's ability to rotate (figure 2).

Superior Specifications

- MSS SP-72
- ANSI B16.10
- FED. SPEC. WW-V-35
- Tested to API 598
- AWWA C507-99 Proof of Design Test
- ANSI/NSF 61-8 / California Prop. 65

Make the Switch

Whether you are specifying new construction or replacing worn leaking valves, choose the **Hardball C8000** by **Quality Certified Valve Company**. It's low profile, superior performance and bubble-tight seal will save you time, money and aggravation over the life of the valve. Contact Quality Certified Valve Company for more information.

407.324.4035 • 888.484.4030 • Fx: 407.324.8105
qcvalve.com • 1101 Cornwall Road • Sanford, FL 32773



Figure 1
QC's ductile ball: secure stem-to-ball engagement, unrestricted flow and positive seal



Figure 2
Inferior cast-iron ball slot can be easily stripped, preventing ball rotation and seal



SPECIFICATIONS

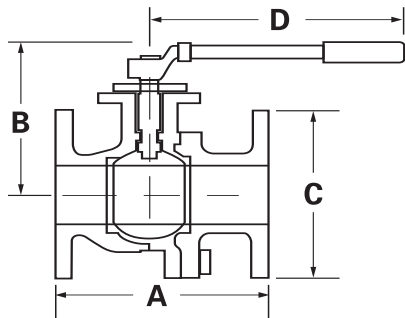
- A126 Class B Cast-Iron Body with FDA food-grade epoxy powder coating
- Engineered to replace Class 125 Iron Gate Valves and Class 150 Plug Valves
- Teflon® Fused Ductile Iron Ball
- Stainless Steel Blow-out Proof Stem
- Reinforced Teflon® Seats
- End-to-End and Flanged Dimensions Conform to ANSI Standard B16.10 which Exactly Match Face-to-Face Dimensions of all Cast Iron Gate Valves and Plug Valves
- Can be Locked in Full Open or Closed Positions
- ISO5211 Actuating Mounting Pad

SPECIFICATIONS:

MSS SP-72
ANSI B16.10
FED. SPEC. WW-V-35
AWWA C507-99 Proof of Design Test
ANSI/NSF 61-8 / California Prop. 65
Tested to API 598

RATING:

125 psi WSP
200 psi WOG
353° F



PART	MATERIAL
Body	Cast Iron/A126 Class B
Ball	Ductile Iron/Teflon® Fused
Stem	Stainless Steel
Gland Plate	Steel
Handle	Steel
Handle Bracket	Ductile Iron
Packing Follower	Stainless Steel
Stem Indicator	Steel
Handle Bracket Clip	Steel
Stem Stud	Carbon Steel
Gland Stud	Carbon Steel
Body Stud	Carbon Steel
Body Nut	Carbon Steel
Handle Bracket Bolt	Carbon Steel
Packing	PTFE (Chevron)
Body Gasket	PTFE
Seat Ring	RPTFE 15% GF
Handle Grip	Vinyl Rubber Foam

Teflon® is a registered trademark of DuPont.

DIMENSIONS	2	2 1/2	3	4	6
A End to End	7	7 1/2	8	9	10 1/2
B Center of Port to Top	5 1/2	7	7 1/2	8 1/2	13
C Flange Diameter	6	7	7 1/2	9	11
D Center of Valve to Handle End	12	13 1/2	13 1/2	15 1/2	30
Port Diameter	2	2 1/2	3	4	6
Bolt Holes	4	4	4	8	8
Weight lbs.	24	40	51	82	144
CV*	500	750	1245	2500	5470

*CV Coefficient is defined as the flow of water in gallons per minute with a pressure drop of 1 psi across the valve.

Dimensions and weights are given as approximates; consult factory for details.



407.324.4035 • 888.484.4030 • Fx: 407.324.8105

qcvalve.com • 1101 Cornwall Road • Sanford, FL 32773