



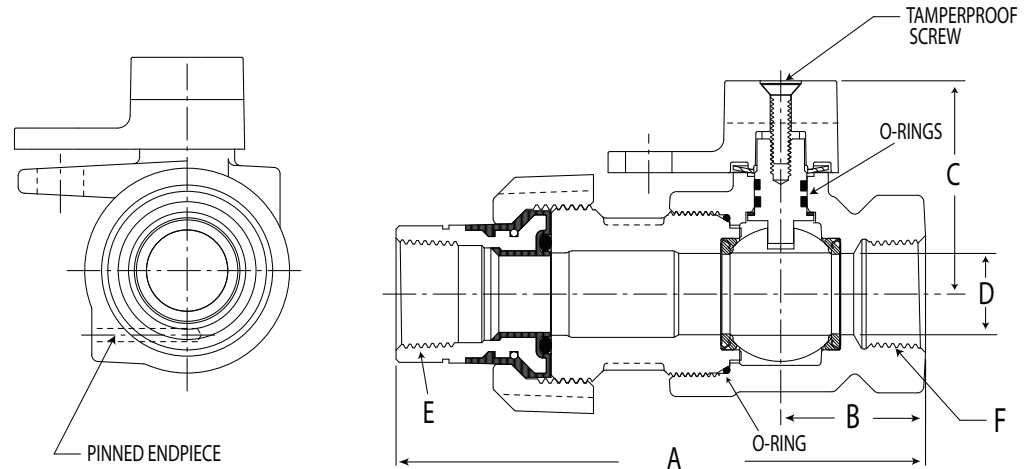
# SUBMITTAL DATA

## 8276 HIGH PRESSURE METER BALL VALVE

MADE IN THE USA

SIZE	A	B	C	D	E	F	WT
3/4	5	1 3/8	2	3/4	3/4	3/4	2.5
1	5 3/4	1 11/16	2 1/8	1	1	1	3.4
1 1/4	7	1 7/8	2 5/8	1 1/4	1 1/4	1 1/4	5.65
2	8 7/16	2 7/16	3 1/8	2	2	2	12.50

A.Y. McDONALD CONSIDERS THE INFORMATION ON THIS ASSEMBLY DRAWING CORRECT WHEN PUBLISHED. ITEM AND OPTION AVAILABILITY, INCLUDING SPECIFICATIONS, ARE SUBJECT TO CHANGE WITHOUT NOTICE. PLEASE VERIFY THAT PRODUCT INFORMATION IS CURRENT.



- A.Y. McDonald 175 PSIG rated Iron Ball Valves have metal reinforced rubber port seals that provide a leak-proof condition by sealing against a corrosion resistant brass ball.
- A.Y. McDonald's Iron Body, Brass Ball Valve is designed and tested to comply with ANSI/ASME B16.33 American National Standard for "Manually Operated Metallic Gas Valves for use in Gas Piping Systems up to 125 PSIG".
- Pressure rating is 175 PSIG.
- Soft seat design does not rely on grease to prevent leakage to the atmosphere or through the valve seats. Sealing capability is maintained even after many cycles.
- Tamper-resistant (Tamperproof) design makes the A.Y. McDonald Ball Valve virtually impossible to disassemble without making the valve unusable, i.e. pinned end piece requires excessive force to remove and valve cannot be reassembled if forcefully disassembled.
- Breaking torques are closely controlled in excess of what can be turned "by hand" and yet low enough to ensure easy turning with a small wrench. Easy turning remains for normal life of valve.
- The 90° rotation provides complete shut-off from open position. Valve can be rotated full 360°.
- Pressure may be applied in either direction as A.Y. McDonald's Ball Valve is a non-directional valve.
- Traditional locking design easily accommodates standard "Barrel-Locks" or padlocks.
- Port openings accommodate the best known stop changers and yet provide less flow restriction than non-circular openings or valves with reduced ports.
- Internally loaded stem is blowout proof.
- Port seals have metal reinforcement to keep seals in position and provide support for the rubber thereby limiting ball blow down (patented).
- Ball Valve design isolates operating stem seals and main shell from internal line pressure when the valve is in the normal used, full open position. Sealing against external leakage during this normal service is thereby doubly-provided and the stem seals do provide the necessary external leak protection during cycling.
- In the normal open position, the sealing surface of A.Y. McDonald's Brass Ball is isolated from the probable contaminants by the port seals. This results in a more reliable shut off over the life of the valve.
- In addition to an O-ring, metal-to-metal positive seating of the end piece limits the squeeze on port seals, and serves as back-up seal, if necessary.
- No field adjustment or maintenance required.
- Each valve is pressure tested in both directions electronically or with air under water.
- Temperature Range: -20° to +150°F.
- N.P.T. x N.P.T. Threads per ANSI/ASME B1.20.1.
- Valves are intended for use with natural, manufactured and L.P. gas.
- Fire safe design.

**A.Y. McDONALD MFG. CO. • P.O. BOX 508 • DUBUQUE, IA 52004-0508**  
**800-292-2737 • FAX 800-832-9296 • sales@aymcdonald.com • www.aymcdonald.com**