Model REL-BLFM1 1/4” Full Port Quarter-Turn Ball Valve

cULus Listed

Product Description

Reliable Model REL-BLFM1 full port brass ball valves include a MNPT outlet and FNPT outlet. This valve is suitable for use with pressure gauges that have a 1/4” MNPT threaded connection and can be installed in any 1/4” FNPT threaded outlet. The REL-BLFM1 valve outlets and bore are all 1/4” NPT. This valve features a forged brass alloy body and bonnet / end cap. The REL-BL600 ball valve is designed with a blowout proof stem for an enhanced level of robustness and is rated for 600 psi (41.4 bar) working pressure.

Model REL-BLFM1 1/4” Full Port Quarter-Turn Ball Valve with MNPT x FNPT Outlets

Installation

The Reliable Model REL-BLFM1 1/4” Full Port Quarter-Turn Ball Valve shall be installed in accordance with NFPA 13, “Standard for the Installation of Sprinkler Systems,” as well as the requirements of any authorities having jurisdiction. Verify compatibility of the Full Port Ball Valve materials with the water supply and the environment where the valve will be installed prior to installation.

Maintenance

The owner is responsible for maintaining the fire protection system in proper operating condition. Any system maintenance or testing that involves placing a control valve out of service will eliminate the fire protection that is provided by the fire protection system.

The Reliable Model REL-BLFM1 1/4” Full Port Quarter-Turn Ball Valve shall periodically be given a thorough inspection and test. NFPA 25, “Inspection, Testing and Maintenance of Water Based Fire Protection Systems,” provides minimum maintenance requirements. Inspect the valve for corrosion, damage, and wear as required and replace as necessary. Increase the frequency of inspections when the valve is exposed to corrosive conditions or chemicals that could impact the valve materials.

Guarantee

For The Reliable Automatic Sprinkler Co. Inc. guarantee, terms, and conditions, visit www.reliablesprinkler.com.

Ordering Information

Specify the following when ordering:

Reliable Model REL-BLFM1 1/4” Full Port Quarter-Turn Ball Valve with MNPT x FNPT Outlets for Pressure Gauge Applications

Model REL-BLFM1 1/4” Full Port Quarter-Turn Ball Valve

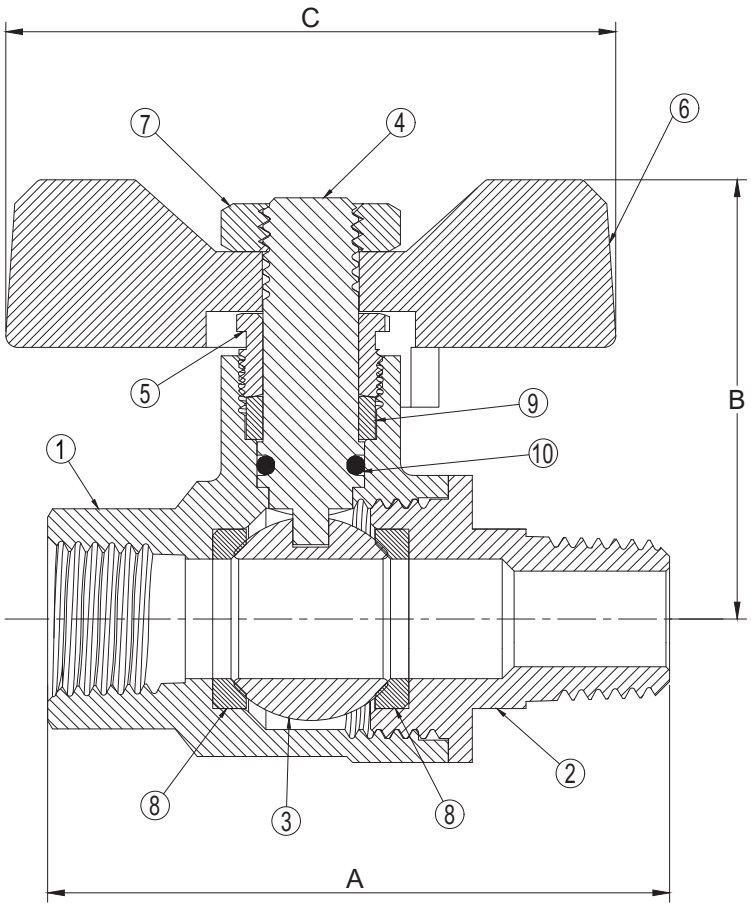
Technical Specifications
Pressure Rating: 600 psi (41.4 bar) CWP
Temperature Rating: -20°F to 300°F (-29°C to 149°C)

Material Specifications
Body: ASTM B171 Gr C46500 Forged Naval Brass Alloy
MNPT Bonnet / End Cap: C37700 Forged Brass Alloy
Seat: Virgin PTFE
Ball: ASTM A276 Gr SS30400 Stainless Steel (SS304)
Stem: C37700 Forged Brass Alloy
Stem Packing: Virgin PTFE
Stem Packing Nut: C37700 Forged Brass Alloy
Stem Secondary Seal (o-ring): Nitrile / Buna-N Elastomer
Handle Lock Nut: EN S235 Carbon steel with zinc electroplating
Valve Handle: EN S235 Carbon steel (painted)

End Connections
Female NPT per ASME B1.20.1
Male NPT per ASME B1.20.1

Model REL-BLFM1 1/4” Full Port Quarter-Turn Ball Valve Dimensions

Figure 1



Item Number	Item Description
1	Valve Body
2	Valve MNPT End Cap / Bonnet
3	Ball
4	Valve Stem
5	Valve Stem Packing Stuffing Nut
6	Valve Handle
7	Valve Handle Lock Nut
8	Valve Seat
9	Valve Stem Packing
10	Valve Stem Secondary O-ring Seal

P/N 999970806

Dimensions in. (mm)

Table A

Valve Size	A	B	C
1/4” (8)	2-1/16” (52)	1-9/16” (39)	2-1/16” (52)