

Engineering Specification

Job Name _____

Contractor _____

Job Location _____

Approval _____

Engineer _____

Contractor's P.O. No. _____

Approval _____

Representative _____

LEAD FREE*

Series LFFBV-3C-QC

2 Piece, Full-Port
Brass Ball Valves with
Watts Quick-Connect Technology

1/2" – 1"

Series LFFBV-3C-QC 2-piece, full-port Lead Free* copper silicon alloy ball valves with Quick-Connect technology are ideal for residential and commercial potable water applications. They feature a bottom-loaded, blowout-proof stem, virgin PTFE seats and thrust washer, an adjustable packing gland and stem packing nut, a chrome-plated Lead Free* brass ball, a Lead Free* copper silicon alloy adapter, and a steel handle.

The LFFBV-3C-QC features Lead Free* construction and complies with applicable Lead Free* installation requirements.

Features

- Lead Free* copper silicon alloy body
- Integral Watts Quick-Connect inlet and outlet connections
- Compatible with copper, CPVC, and PEX pipe
- ASSE 1061 approved
- Includes pipe stiffeners for PEX applications
- Adjustable stem packing gland
- Virgin PTFE stem packing seal, thrust washer, and seats
- No thread sealants, solder, or glue required
- Rotatable under pressure
- Bottom-loaded, blowout-proof stem
- Removable and reusable without tools

Pressure – Temperature

Temperature Range: 0°F to 180°F (-18°C to 82°C)

Pressure Rating: 200 psi at 180°F (13.8 bar at 82°C)



Specification

The approved valve shall be of 2-piece, full-port design with integral Watts Quick-Connect inlet and outlet connections that require no tools, thread sealant, or solder for installation or removal. Lead Free* copper silicon alloy ball valves with Watts Quick-Connect technology shall be constructed of Lead Free* materials and comply with applicable state codes and standards requiring reduced lead content. The valve body and end adapter shall be forged Lead Free* copper silicon alloy. Seats and stem packing shall be virgin PTFE. The stem shall be bottom-loaded and blowout-proof. The ball shall be chrome-plated, and the valve shall include an adjustable packing gland. Valves shall be approved to ASSE 1061 for use with copper, CPVC, and PEX pipe. The valve shall be Watts Series LFFBV-3C-QC.

Approvals



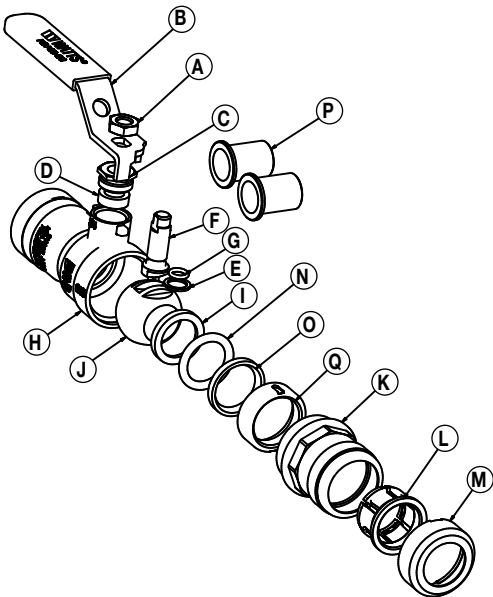
NOTICE

The information contained herein is not intended to replace the full product installation and safety information available or the experience of a trained product installer. You are required to thoroughly read all installation instructions and product safety information before beginning the installation of this product.

Inquire with governing authorities for local installation requirements

*The wetted surface of this product contacted by consumable water contains less than 0.25% of lead by weight.

Materials



- A

Handle Nut

Zinc-plated carbon steel
- B

Handle

Zinc-plated carbon steel with vinyl insulator
- C

Packing Nut

Brass
- D

Stem Packing

Virgin PTFE
- E

Thrust Washer

Virgin PTFE
- F

Stem

Brass
- G

O-Ring

Fluorocarbon elastomer FKM
- H

Body

Lead Free* copper silicon alloy
- I

Seat

Virgin PTFE
- J

Ball

Chrome-plated Lead Free* brass
- K

Adapter

Lead Free* copper silicon alloy
- L

Collet

Glass-reinforced nylon
- M

Collet Cover

HPDE
- N

O-Ring

EPDM - 70 DURO
- O

O-Ring Guide

Acetal
- P

PEX Pipe Insert

Glass-reinforced polysulfone
- Q

Collet Retainer

Acetal

Dimensions - Weights

Call customer service if you need assistance with technical details.

SIZE			DIMENSIONS						WEIGHT	
in	I	C	mm	H	mm	L	mm	L1	mm	
1/2	1/2	1 13/16	46	3 3/8	86	3 1/2	89	3 13/16	97	0.5 0.2
3/4	3/4	2 1/4	58	4	101	4 3/16	106	4 9/16	116	0.9 0.4
1	1	2 5/8	67	4 1/4	107	4 9/16	116	5	127	1.4 0.6



Flow Curves

