

## For Residential and Commercial Applications

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

Sizes: ½" – 1"

Series LFFBV-3C-QC 2-piece, Full-Port Lead Free\* copper silicon alloy Quick-Connect Ball Valves are ideal for use in residential and commercial potable water applications. They feature a bottom-loaded blowout proof stem, virgin PTFE seats, thrust washer, and adjustable packing gland, stem packing nut, chrome-plated Lead Free\* brass ball, Lead Free\* copper silicon alloy adapter, and steel handle. The LFFBV-3C-QC features Lead Free\* construction to comply with Lead Free\* installation requirements.

### Features

- Lead Free\* copper silicon alloy body
- Watts integral Quick-Connect inlet and outlet connections
- Can be used with Copper, CPVC, and PEX pipe
- Approved to ASSE 1061
- Comes with pipe stiffeners for use with PEX
- Adjustable stem packing gland
- Virgin PTFE stem packing seal, thrust washer, and seats
- No thread sealants, solders or glues needed
- Can be rotated under pressure
- Bottom loaded blowout proof stem
- Can be removed and reused without the use of tools

### Pressure – Temperature

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

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



LFFBV-3C-QC

### Specifications

Approved valves shall be 2-piece full-port design with integral Watts Quick-Connect inlet and outlet, requiring no tools, thread sealant or solder for installation and/or removal. Lead Free\* 2 piece, full-port, copper silicon alloy ball valves with Watts Quick-Connect technology shall be constructed using Lead Free\* materials. Lead Free\* valve shall comply with state codes and standards, where applicable, requiring reduced lead content. Valve will be constructed of a forged Lead Free\* copper silicon alloy body and end adapter. Seats and stem packing will be virgin PTFE. Stem shall be bottom loaded and blowout proof. Ball shall be chrome plated with an adjustable packing gland. Valve must be approved to ASSE-1061 for use with Copper, CPVC, and PEX pipe.

### 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.

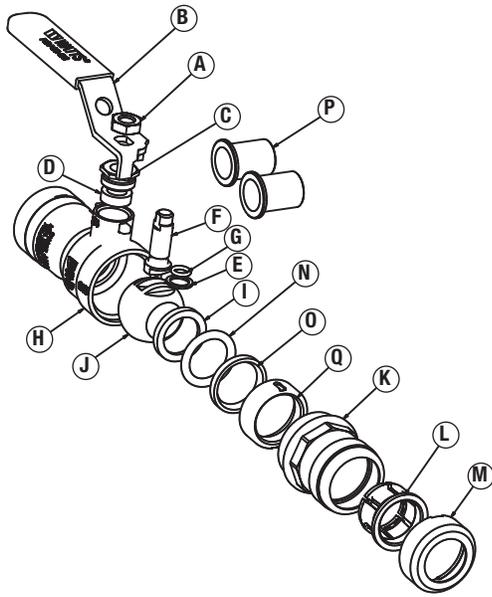
### NOTICE

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.

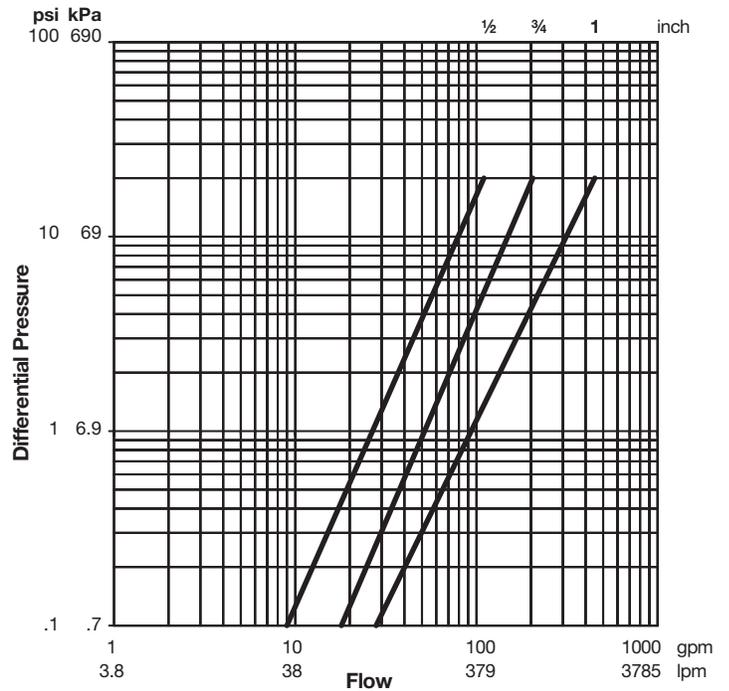
Watts product specifications in U.S. customary units and metric are approximate and are provided for reference only. For precise measurements, please contact Watts Technical Service. Watts reserves the right to change or modify product design, construction, specifications, or materials without prior notice and without incurring any obligation to make such changes and modifications on Watts products previously or subsequently sold.

## Materials



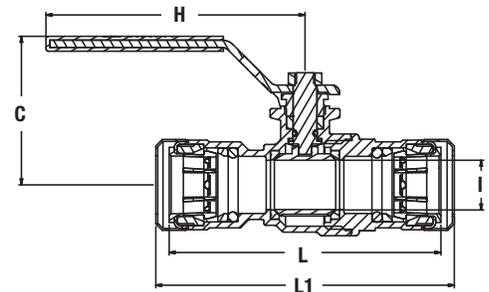
<b>A Handle Nut</b>	Zinc plated carbon steel
<b>B Handle</b>	Zinc plated carbon steel with vinyl insulator
<b>C Packing Nut</b>	Brass
<b>D Stem Packing</b>	Virgin PTFE
<b>E Thrust Washer</b>	Virgin PTFE
<b>F Stem</b>	Brass
<b>G O-Ring</b>	Fluorocarbon elastomer FKM
<b>H Body</b>	Lead Free* copper silicon alloy
<b>I Seat</b>	Virgin PTFE
<b>J Ball</b>	Chrome plated Lead Free* brass
<b>K Adapter</b>	Lead Free* copper silicon alloy
<b>L Collet</b>	Glass-reinforced nylon
<b>M Collet Cover</b>	HPDE
<b>N O-Ring</b>	EPDM - 70 DURO
<b>O O-Ring Guide</b>	Acetal
<b>P PEX Pipe Insert</b>	Glass-reinforced polysulfone
<b>Q Collet Retainer</b>	Acetal

## Flow Curves



## Dimensions - Weights

SIZE	DIMENSIONS								WEIGHT		
	I	C		H		L		L1	lbs.	kg	
in	in	in	mm	in	mm	in	mm	in	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



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