

VG7000 Series

# **Bronze Globe Valves, Maintenance and Repair**

### Description

The packing and reconditioning kits in the selection chart include all components necessary to return a VG7000 series brass globe valve to near new condition.

## **Selection Chart**

#### Maintenance and Repair Parts for VG7000 Series Bronze Globe Valves (Part 1 of 2)

Code Number	Description
Packing Kits	
VG7000-6001	Ring Pack, Single Pack, for Brass Trim Valves with 1/4 in. Stem (1/2 or 3/4 in. Valves). Kit Includes: Two Ring Packs (U-Cup with Installed O-Ring), One Stem Guide, One Insertion/Removal Tool, One Bullet, One Grease Tube, and One 3 in. Strip of Crocus Cloth.
VG7000-6002	Ring Pack, Single Pack, for Brass Trim Valves with 3/8 in. Stem (1 through 2 in. Valves). Kit Includes: Two Ring Packs (U-Cup with Installed O- Ring), One Stem Wiper, One Stem Guide, One Insertion/Removal Tool, One Sleeve Packing Installer, One Grease Tube, and One 3 in. Strip of Crocus Cloth.
VG7000-6003	Ring Pack, Ten Pack, for Brass Trim Valves with 1/4 in. Stem (1/2 or 3/4 in. Valves). Kit Includes: Twenty Ring Packs (U-Cup with Installed O-Ring), Ten Stem Guides, One Insertion/Removal Tool, One Bullet, Two Grease Tubes, and One 24 in. Strip of Crocus Cloth.
VG7000-6004	Ring Pack, Ten Pack, for Brass Trim Valves with 3/8 in. Stem (1 through 2 in. Valves). Kit Includes: Twenty Ring Packs (U-Cup with Installed O- Ring), Ten Stem Wipers, Ten Stem Guides, One Insertion/Removal Tool, One Sleeve Packing Installer, Two Grease Tubes, and One 24 in. Strip of Crocus Cloth.
VG7000-6011	PTFE V-Ring Pack for Stainless Steel Trim Valves with 1/4 in. Stem (1/2 or 3/4 in. Valves). Kit Includes: Two Teflon® V-Rings, One Rubber V-Ring, Two Teflon Stem Wipers, One Teflon Stem Guide, One Teflon Bushing, One Steel Washer, One Spring, One Insertion/Removal Tool, One Bullet, One Grease Tube, and One 3 in. Strip of Crocus Cloth.
VG7000-6012	PTFE V-Ring Pack for Stainless Steel Trim Valves with 3/8 in. Stem (1 through 2 in. Valves). Kit Includes: Two Teflon® V-Rings, One Rubber V-Ring, Two Teflon Stem Wipers, One Teflon Stem Guide, One Teflon Bushing, One Steel Washer, One Spring, One Insertion/Removal Tool, One Sleeve Packing Installer, One Grease Tube, and One 3 in. Strip of Crocus Cloth.
Valve Reconditioning Kits <sup>1</sup>	
VG72K1CS	Reconditioning Kit for 1/2 in., 0.73 Cv, Two-Way N.O./Push-Down-to-Close Valves, Brass Trim, Equal Percentage Flow Characteristics with Slotted Stem for Use with V-3801 or VA-8x2x Series Actuators.
VG72K1CT	Reconditioning Kit for 1/2 in., 0.73 Cv, Two-Way N.O./Push-Down-to-Close Valves, Brass Trim, Equal Percentage Flow Characteristics with Threaded Stem for Use with All Actuators Except V-3801, VA-8x2x, V-500, or MP84.
VG72K1ES	Reconditioning Kit for 1/2 in., 1.8 Cv, Two-Way N.O./Push-Down-to-Close Valves, Brass Trim, Equal Percentage Flow Characteristics with Slotted Stem for Use with V-3801 or VA-8x2x Series Actuators.
VG72K1ET	Reconditioning Kit for 1/2 in., 1.8 Cv, Two-Way N.O./Push-Down-to-Close Valves, Brass Trim, Equal Percentage Flow Characteristics with Threaded Stem for Use with All Actuators Except V-3801, VA-8x2x, V-500, or MP84.
VG72K1GS	Reconditioning Kit for 1/2 in., 4.6 Cv, Two-Way N.O./Push-Down-to-Close Valves, Brass Trim, Equal Percentage Flow Characteristics with Slotted Stem for Use with V-3801 or VA-8x2x Series Actuators.
VG72K1GT	Reconditioning Kit for 1/2 in., 4.6 Cv, Two-Way N.O./Push-Down-to-Close Valves, Brass Trim, Equal Percentage Flow Characteristics with Threaded Stem for Use with All Actuators Except V-3801, VA-8x2x, V-500, or MP84.
VG72K1LS	Reconditioning Kit for 3/4 in., 7.3 Cv, Two-Way N.O./Push-Down-to-Close Valves, Brass Trim, Equal Percentage Flow Characteristics with Slotted Stem for Use with V-3801 or VA-8x2x Series Actuators.
VG72K1LT	Reconditioning Kit for 3/4 in., 7.3 Cv, Two-Way N.O./Push-Down-to-Close Valves, Brass Trim, Equal Percentage Flow Characteristics with Threaded Stem for Use with All Actuators Except V-3801, VA-8x2x, V-500, or MP84.
VG72K1NT	Reconditioning Kit for 1 in., 11.6 Cv, Two-Way N.O./Push-Down-to-Close Valves, Brass Trim, Equal Percentage Flow Characteristics with Threaded Stem for Use with All Actuators Except V-3801, VA-8x2x, V-500, or MP84.
VG72K1PT	Reconditioning Kit for 1-1/4 in., 18.5 Cv, Two-Way N.O./Push-Down-to-Close Valves, Brass Trim, Equal Percentage Flow Characteristics with Threaded Stem for Use with All Actuators Except V-3801, VA-8x2x, V-500, or MP84.
VG72K1RT	Reconditioning Kit for 1-1/2 in., 28.9 Cv, Two-Way N.O./Push-Down-to-Close Valves, Brass Trim, Equal Percentage Flow Characteristics with Threaded Stem for Use with All Actuators Except V-3801, VA-8x2x, V-500, or MP84.
VG72K1ST	Reconditioning Kit for 2 in., 46.2 Cv, Two-Way N.O./Push-Down-to-Close Valves, Brass Trim, Equal Percentage Flow Characteristics with Threaded Stem for Use with All Actuators Except V-3801, VA-8x2x, V-500, or MP84.
VG72K3LT	Reconditioning Kit for 3/4 in., 7.3 Cv, Two-Way N.O./Push-Down-to-Close Valves, Stainless Steel Trim, Equal Percentage Flow Characteristics with Threaded Stem for Use with All Actuators Except V-3801, VA-8x2x, V-500, or MP84.
VG72K3NT	Reconditioning Kit for 1 in., 11.6 Cv, Two-Way N.O./Push-Down-to-Close Valves, Stainless Steel Trim, Equal Percentage Flow Characteristics with Threaded Stem for Use with All Actuators Except V-3801, VA-8x2x, V-500, or MP84.
VG72K3PT	Reconditioning Kit for 1-1/4 in., 18.5 Cv, Two-Way N.O./Push-Down-to-Close Valves, Stainless Steel Trim, Equal Percentage Flow Characteristics with Threaded Stem for Use with All Actuators Except V-3801, VA-8x2x, V-500, or MP84.
VG72K3RT	Reconditioning Kit for 1-1/2 in., 28.9 Cv, Two-Way N.O./Push-Down-to-Close Valves, Stainless Steel Trim, Equal Percentage Flow Characteristics with Threaded Stem for Use with All Actuators Except V-3801, VA-8x2x, V-500, or MP84.
VG72K3SL	Reconditioning Kit for 2 in., 46.2 Cv, Two-Way N.O./Push-Down-to-Close Valves, Stainless Steel Trim, Equal Percentage Flow Characteristics with Large Threaded Stem for Use with V-500 Actuator Only.
VG74K1CS	Reconditioning Kit for 1/2 in., 0.73 Cv, Two-Way N.C./Push-Down-to-Open Valves, Brass Trim, Equal Percentage Flow Characteristics with Slotted Stem for Use with V-3801 or VA-8x2x Series Actuators.
VG74K1CT	Reconditioning Kit for 1/2 in., 0.73 Cv, Two-Way N.C./Push-Down-to-Open Valves, Brass Trim, Equal Percentage Flow Characteristics with Threaded Stem for Use with All Actuators Except V-3801, VA-8x2x, V-500, or MP84.
VG74K1ES	Reconditioning Kit for 1/2 in., 1.8 Cv, Two-Way N.C./Push-Down-to-Open Valves, Brass Trim, Equal Percentage Flow Characteristics with Slotted Stem for Use with V-3801 or VA-8x2x Series Actuators.

The performance specifications are nominal and conform to acceptable industry standards. For applications at conditions beyond these specifications, consult the local Johnson Controls office. Johnson Controls, Inc. shall not be liable for damages resulting from misapplication or misuse of its products. © 2011 Johnson Controls, Inc. www.johnsoncontrols.com



# Bronze Globe Valves, Maintenance and Repair (Continued)

#### Maintenance and Repair Parts for VG7000 Series Bronze Globe Valves (Part 2 of 2)

Code Number Description VG74K1ET Reconditioning Kit for 1/2 in., 1.8 Cv, Two-Way N.C./Push-Down-to-Open Valves, Brass Trim, Equal Percentage Flow Characteristics with Threaded Stem for Use with All Actuators Except V-3801, VA-8x2x, V-500, or MP84. VG74K1GS Reconditioning Kit for 1/2 in., 4.6 Cv, Two-Way N.C./Push-Down-to-Open Valves, Brass Trim, Equal Percentage Flow Characteristics with Slotted Stem for Use with V-3801 or VA-8x2x Series Actuators. VG74K1GT Reconditioning Kit for 1/2 in., 4.6 Cv, Two-Way N.C./Push-Down-to-Open Valves, Brass Trim, Equal Percentage Flow Characteristics with Threaded Stem for Use with All Actuators Except V-3801, VA-8x2x, V-500, or MP84. VG74K1LS Reconditioning Kit for 3/4 in., 7.3 Cv, Two-Way N.C./Push-Down-to-Open Valves, Brass Trim, Equal Percentage Flow Characteristics with Slotted Stem for Use with V-3801 or VA-8x2x Series Actuators. VG74K1LT Reconditioning Kit for 3/4 in., 7.3 Cv, Two-Way N.C./Push-Down-to-Open Valves, Brass Trim, Equal Percentage Flow Characteristics with Threaded Stem for Use with All Actuators Except V-3801, VA-8x2x, V-500, or MP84. VG74K1NT Reconditioning Kit for 1 in., 11.6 Cv, Two-Way N.C./Push-Down-to-Open Valves, Brass Trim, Equal Percentage Flow Characteristics with Threaded Stem for Use with All Actuators Except V-3801, VA-8x2x, V-500, or MP84. VG74K1PT Reconditioning Kit for 1-1/4 in., 18.5 Cv, Two-Way N.C./Push-Down-to-Open Valves, Brass Trim, Equal Percentage Flow Characteristics with Threaded Stem for Use with All Actuators Except V-3801, VA-8x2x, V-500, or MP84. VG74K1RT Reconditioning Kit for 1-1/2 in., 28.9 Cv, Two-Way N.C./Push-Down-to-Open Valves, Brass Trim, Equal Percentage Flow Characteristics with Threaded Stem for Use with All Actuators Except V-3801, VA-8x2x, V-500, or MP84. VG74K1RT+W Reconditioning Kit for 1-1/2 in., 28.9 Cv, Two-Way N.C./Push-Down-to-Open Valves, Brass Trim, Equal Percentage Flow Characteristics with Threaded Stem for Use with All Actuators Except V-3801, VA-8x2x, V-500, or MP84. Includes VG74K1RT Reconditioning Kit Plus Bottom Cap with Stem Guide Reconditioning Kit for 2 in., 46.2 Cv, Two-Way N.C./Push-Down-to-Open Valves, Brass Trim, Equal Percentage Flow Characteristics with Threaded Stem for Use with All Actuators Except V-3801, VA-8x2x, V-500, or MP84. VG74K1ST VG74K1ST+W Reconditioning Kit for 2 in., 46.2 Cv, Two-Way N.C./Push-Down-to-Open Valves, Brass Trim, Equal Percentage Flow Characteristics with Threaded Stem for Use with All Actuators Except V-3801, VA-8x2x, V-500, or MP84. Includes VG74K1ST Reconditioning Kit Plus Bottom Cap with Stem Guide. VG74K3CT Reconditioning Kit for 1/2 in., 0.73 Cv, Two-Way N.C./Push-Down-to-Open Valves, Stainless Steel Trim, Equal Percentage Flow Characteristics with Threaded Stem for Use with All Actuators Except V-3801, VA-8x2x, V-500, or MP84. VG74K3ET Reconditioning Kit for 1/2 in., 1.8 Cv, Two-Way N.C./Push-Down-to-Open Valves, Stainless Steel Trim, Equal Percentage Flow Characteristics with Threaded Stem for Use with All Actuators Except V-3801, VA-8x2x, V-500, or MP84. VG74K3LT Reconditioning Kit for 3/4 in., 7.3 Cv, Two-Way N.C./Push-Down-to-Open Valves, Stainless Steel Trim, Equal Percentage Flow Characteristics with Threaded Stem for Use with All Actuators Except V-3801, VA-8x2x, V-500, or MP84. VG74K3PT Reconditioning Kit for 1-1/4 in., 18.5 Cv, Two-Way N.C./Push-Down-to-Open Valves, Stainless Steel Trim, Equal Percentage Flow Characteristics with Threaded Stem for Use with All Actuators Except V-3801, VA-8x2x, V-500, or MP84. VG74K3SL Reconditioning Kit for 2 in., 46.2 Cv, Two-Way N.C./Push-Down-to-Open Valves, Stainless Steel Trim, Equal Percentage Flow Characteristics with Threaded Stem for Use with V-500 Actuator Only. VG78K2CS Reconditioning Kit for 1/2 in., 0.73 Cv, Three-Way Mixing Valves, Brass Trim, Linear Flow Characteristics with Slotted Stem for Use with V-3801 or VA-8x2x Series Actuators. VG78K2CT Reconditioning Kit for 1/2 in., 0.73 Cv, Three-Way Mixing Valves, Brass Trim, Linear Flow Characteristics with Threaded Stem for Use with All Actuators Except V-3801, VA-8x2x, V-500, or MP84. Reconditioning Kit for 1/2 in., 1.8 Cv, Three-Way Mixing Valves, Brass Trim, Linear Flow Characteristics with Slotted Stem for Use with V-3801 or VG78K2ES VA-8x2x Series Actuators. VG78K2ET Reconditioning Kit for 1/2 in., 1.8 Cv, Three-Way Mixing Valves, Brass Trim, Linear Flow Characteristics with Threaded Stem for Use with All Actuators Except V-3801, VA-8x2x, V-500, or MP84. VG78K2GS Reconditioning Kit for 1/2 in., 4.6 Cv, Three-Way Mixing Valves, Brass Trim, Linear Flow Characteristics with Slotted Stem for Use with V-3801 or VA-8x2x Series Actuators VG78K2GT Reconditioning Kit for 1/2 in., 4.6 Cv, Three-Way Mixing Valves, Brass Trim, Linear Flow Characteristics with Threaded Stem for Use with All Actuators Except V-3801, VA-8x2x, V-500, or MP84. VG78K2LS Reconditioning Kit for 3/4 in., 7.3 Cv, Three-Way Mixing Valves, Brass Trim, Linear Flow Characteristics with Slotted Stem for Use with V-3801 or VA-8x2x Series Actuators. VG78K2LT Reconditioning Kit for 3/4 in., 7.3 Cv, Three-Way Mixing Valves, Brass Trim, Linear Flow Characteristics with Threaded Stem for Use with All Actuators Except V-3801, VA-8x2x, V-500, or MP84. VG78K2NT Reconditioning Kit for 1 in., 11.6 Cv, Three-Way Mixing Valves, Brass Trim, Linear Flow Characteristics with Threaded Stem for Use with All Actuators Except V-3801, VA-8x2x, V-500, or MP84. VG78K2PT Reconditioning Kit for 1-1/4 in., 18.5 Cv, Three-Way Mixing Valves, Brass Trim, Linear Flow Characteristics with Threaded Stem for Use with All Actuators Except V-3801, VA-8x2x, V-500, or MP84. VG78K2RT Reconditioning Kit for 1-1/2 in., 28.9 Cv, Three-Way Mixing Valves, Brass Trim, Linear Flow Characteristics with Threaded Stem for Use with All Actuators Except V-3801, VA-8x2x, V-500, or MP84. VG78K2RT+4 Reconditioning Kit for 1-1/2 in., 28.9 Cv, Three-Way Mixing Valves, Brass Trim, Linear Flow Characteristics with Threaded Stem for Use with All Actuators Except V-3801, VA-8x2x, V-500, or MP84. Includes VG78K2RT Reconditioning Kit Plus Lower Valve Body with Stem Guide. VG78K2ST Reconditioning Kit for 2 in., 46.2 Cv, Three-Way Mixing Valves, Brass Trim, Linear Flow Characteristics with Threaded Stem for Use with All Actuators Except V-3801, VA-8x2x, V-500, or MP84. VG78K2ST+4 Reconditioning Kit for 2 in., 46.2 Cv, Three-Way Mixing Valves, Brass Trim, Linear Flow Characteristics with Threaded Stem for Use with All Actuators Except V-3801, VA-8x2x, V-500, or MP84. Includes VG78K2ST Reconditioning Kit Plus Lower Valve Body with Stem Guide.

1. For brass trim kits, the reconditioning kits include a bonnet, packing, and a stem and plug assembly.

For stainless steel kits, the reconditioning kits include a bonnet, packing, and a stem and plug assembly.

The performance specifications are nominal and conform to acceptable industry standards. For applications at conditions beyond these specifications, consult the local Johnson Controls office. Johnson Controls, Inc. shall not be liable for damages resulting from misapplication or misuse of its products. © 2011 Johnson Controls, Inc. www.johnsoncontrols.com