

# Valve Repacking Kit for VG7000 Series Bronze Valves with Brass Trim

## Installation Instructions

Part No. 14-880-184, Rev. D  
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Refer to the [QuickLIT website](http://www.quicklit.com) for the most up-to-date version of this document.

### Kit Contents

**Table 1: VG7000-6001 Kit Contents for 1/4 in. Stem, Single Pack**

Quantity	Description
2	Ring Packs (U-cup with installed O-ring)
1	Stem Guides
1	Insertion/Removal Tool
1	Bullet
1	Grease Tube
1	3-inch Crocus Cloth
1	Instruction Sheet

**Table 4: VG7000-6004 Kit Contents for 3/8 in. Stem, Ten Pack**

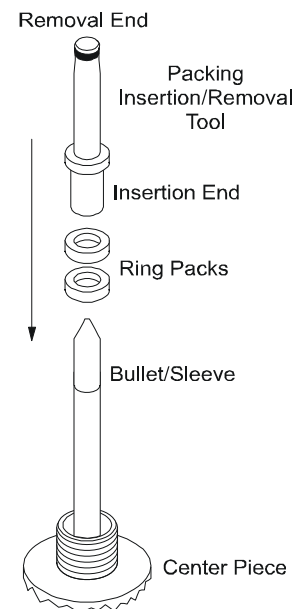
Quantity	Description
20	Ring Packs (U-cup with installed O-ring)
10	Stem Wiper
10	Stem Guide
1	Insertion/Removal Tool
1	Sleeve Packing Installer
2	Grease Tube
1	3-inch Crocus Cloth
1	Instruction Sheet

**Table 2: VG7000-6002 Kit Contents for 3/8 in. Stem, Single Pack**

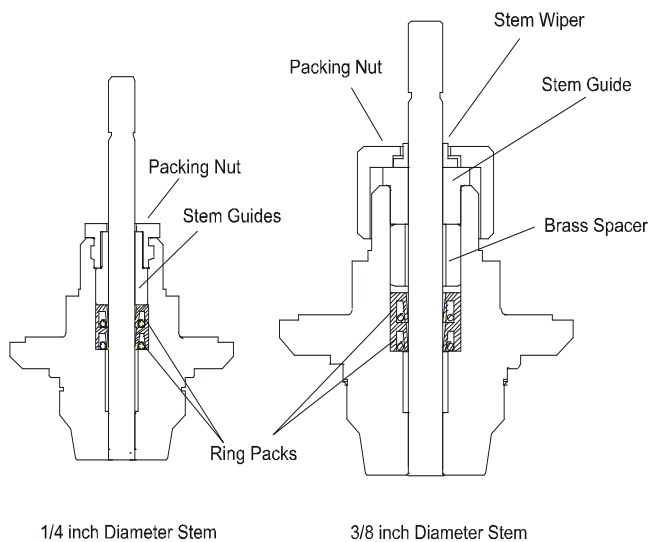
Quantity	Description
2	Ring Packs (U-cup with installed O-ring)
1	Stem Wiper
1	Stem Guide
1	Insertion/Removal Tool
1	Sleeve Packing Installer
1	Grease Tube
1	3-inch Crocus Cloth
1	Instruction Sheet

**Table 3: VG7000-6003 Kit Contents for 1/4 in. Stem, Ten Pack**

Quantity	Description
20	Ring Packs (U-cup with installed O-ring)
10	Stem Guides
1	Insertion/Removal Tool
1	Bullet
2	Grease Tube
1	3-inch Crocus Cloth
1	Instruction Sheet



**Figure 1: Packing Installation**



**Figure 2: Packing Boxes**

## Actuator Removal

1. Disconnect the control signal.
2. Remove the actuator and spring (if present).
3. Refer to the appropriate actuator product bulletin for specific instructions on safe removal of the valve actuator.

## Repacking Procedure

See Figure 1 and Figure 2.

1. Isolate the valve from the system and relieve any pressure.
2. Remove and retain the packing nut.
3. Remove and discard the stem guides.
4. 3/8 in. stems only: Using the small end of the packing insertion/removal tool, remove and retain the brass spacer. Then, use the small end of the tool to remove the old packings.
5. Pull up and clean the accessible portion of the valve stem with the provided crocus cloth.

6. Wipe the stem with a paper towel to remove any grit or debris. If the valve stem is rough or marred, it should not be reused.
7. Apply a small amount of grease to the inside of the stuffing box, the stem, and onto the internal diameter of the ring packs. Make sure that the O-rings are already positioned in the U-cups before applying the grease. (Do not apply grease to the O-rings.)
8. Slide the bullet (1/4 in. stems) or the sleeve (3/8 in. stems) over the stem threads.
9. With the O-rings facing down, slide both ring packs together over the bullet or sleeve and onto the valve stem.
10. Remove the bullet or sleeve.
11. Apply a small amount of grease to the outside of the ring packs.
12. Using the large end of the packing insertion/removal tool, push the ring packs down into the packing box.
13. 3/8 in. stems only: Reinstall the brass spacer, and then install the new stem guide and stem wiper into the stuffing box.
14. Install the packing nut onto the packing box.
15. Tighten the packing nut until fully seated, and make the seating snug using a wrench (no more than 1/8 of a turn).
16. Move the stem up and down by hand to ensure that it operates freely.
17. Assemble the actuator and associated hardware back onto the valve.
18. Reconnect the control signal.

**Note:** The packing nut does not require compression loading from the packing nut. Overtightening the packing nut may cause the stem to bind.



**Building Efficiency**  
507 E. Michigan Street, Milwaukee, WI 53202

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