

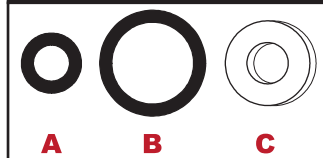


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O-Ring & Seal Sizing Guide



Step 1: Remove and set aside the filter fitting and screen from the input port fitting.

Step 2: Remove the brass input and output fittings with a 9/16" wrench.

KTG535

G5Twin Front Ball Valve Seal Replacement Instructions

Step 3: Using a tool with a small hook on the end (like a dental pick), pull out the white teflon seals and ball valves from each port.

Step 4: Unscrew and remove both knobs from the front panel using a small Phillips screwdriver.

Step 5: Remove the brass manifold fittings underneath using a 3/8" wrench.

Step 6: Push out the valve stems from the brass manifold fittings you just removed.

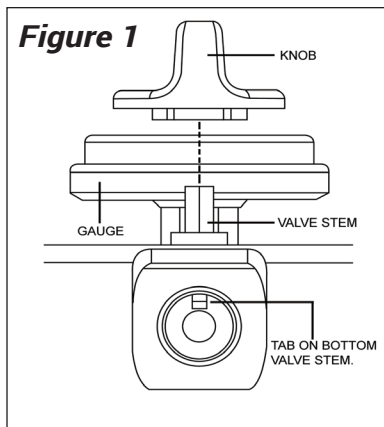


Step 7: Replace the o-rings on all the brass parts with the new ones supplied in the kit. (Apply a small drop of refrigerant oil to them first to lubricate them and provide a better seal.)

Step 8: Place the valve stems back into the brass manifold fittings and screw the fittings back into the front panel and tighten.

Step 9: Look into the input and output ports and turn the valve stems until the small tab on the bottom of the stems are lined up straight with respect to the port openings.

(See Figure 1).

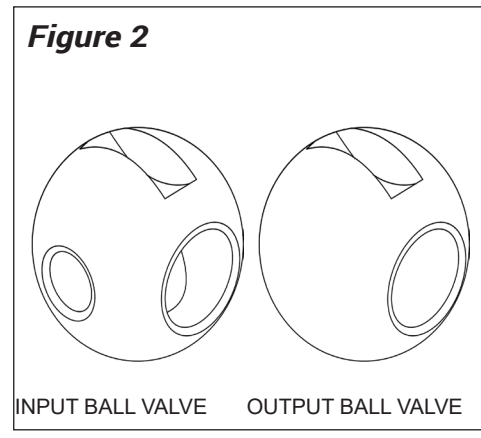


Step 10: Put the knobs back onto the stems so that they are pointed towards the gauges and tighten the screws.

Step 11: Place one new white teflon seal into each port. Make sure it is pushed all the way to the back of the port behind the valve stem.

Step 12: Insert the ball valves back into their respective ports. The ball with the straight-through hole goes into the output port. Make sure the slot on the top of the ball valve is lined up with the tab on the bottom of the valve stem and the large hole in the ball is facing out.

(See Figure 2).



Step 13: Place another new white teflon seal into each port in front of the ball valves.

Step 14: Screw the brass fittings back into the port opening. **Finger Tight Only.** The conical opening on the input fitting should be facing out.

Step 15: Turn the knobs so that both valves are closed, then tighten the brass fittings completely with a 9/16" wrench.

Caution: If the knobs are not closed first before tightening, the teflon seals can be cut by the ball valves which will ruin the seal.

Step 16: Put the filter fitting and screen back onto the input port fitting.

For a video tutorial and more helpful videos visit:
www.YouTube.com/AppionTools