

February 21, 2024

## Too Much Heat? You Need To “Sweat” The Details!

**Did You Know...** The temperatures associated with soldering can have an impact on the ability of the stem seals to do their job. This is due to the potential expansion and contraction of the metals, as well as distortion of the seals at these elevated temperatures. When soldering (or “sweating”) a ball valve into place, the valve’s packing nut should be inspected during the system test and adjusted as required.



*Milwaukee Valve UltraPure Ball Valve being soldered into a system.*

If adjustments are required, this **IS NOT** indicative of a defective valve, especially if excessive heat is applied during the install. This applies to all Milwaukee Valve brass and bronze ball valves; including the BA-150/450/350 series and the BA-485B, and is referenced in the [Installation and Operation manuals](#) for these solder-end valves.

This potential issue is **not** unique to Milwaukee Valve products. Other manufacturers make similar statements in their IOMs. A comparison follows, pulled from the IOMs:

### **Milwaukee Valve Statement:**

8) Verify the tightness of the packing nut, after installation and valve cools.

### **Statement From Competitor 1:**

8. Heat from soldering, if excessive, may affect stem seal. After completion of soldering, it may be necessary to tighten packing gland. Always check for leakage after installation.

## Statement From Competitor 2

- Tightening of the stem packing after soldering may be required.



*Milwaukee Valve Bronze Ball Valve with Packing Nut Wrench*

For more information on brass and bronze ball solder-end valves, visit [www.MilwaukeeValve.com](http://www.MilwaukeeValve.com) or contact your Milwaukee Valve customer service rep today. A complete listing, by territory, can be searched at our website, at [www.MilwaukeeValve.com/Find-Sales-Rep/](http://www.MilwaukeeValve.com/Find-Sales-Rep/).



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