

INSTALLATION INSTRUCTIONS BALANCING VALVES WITH PROPRESS/PROPEX FITTINGS CSUA-PP & CSUAS-PP/CSUA-PX & CSUAS-PX

1) Install assembly with proper flow direction as marked on valve body. This is critical with CircuitSolver[®] Union Assemblies that have an integrated check valve.

NOTE: Upon tightening the assembly, verify that the shutoff valves are oriented so that their handles are accessible and can be operated fully without obstruction. If a reorientation after final installation is needed, loosen the **CircuitSolver**[®] Union Nut to rotate the section so as to not disturb the tightened components and possibly cause a leaky connection.



Scan to watch a quick tutorial video on proper reorientation instructions.

- 2a) **CircuitSolver**[®] **Models ending in -PP:** When using Viega ProPress[®] adapters, please consult the Viega ProPress[®] Installation Manual for proper installation, tools, etc.https://www.viega.us/en/products/ProPress/Downloads.html
- 2b) **CircuitSolver® Models ending in -PX:** When using Uponor ProPEX® adapters, please consult the Uponor ProPEX® Installation Manual for proper installation, tools, etc. <u>https://www.uponor.com/en-us/products/fittings/metal-fittings/propex-lead-free-(lf)-brass-male-threaded-adapters</u>
- CircuitSolver[®] Union Assemblies are designed to be installed at the end of each domestic hot water supply just prior to the return line. See diagram to the right.
- For water systems with particulate/dirt problems, consider using a strainer if one is not already used upstream.
 - *Strainer must be maintained in order to avoid flow obstruction.
- 5) A convenient drain port allows for the system branch to be flushed without disconnecting plumbing lines.





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