

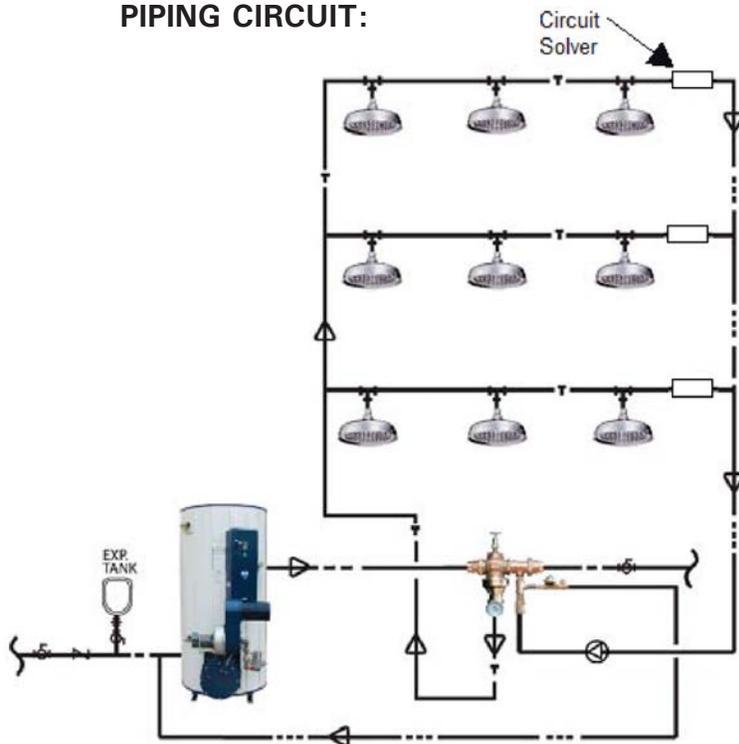
INSTALLATION INSTRUCTIONS

BALANCING VALVES WITH PROPRESS/PROPEX FITTINGS

CS-PP & CSU-PP/CS-PX & CSU-PX

- 1) We recommend that you use a shut off valve before and after the **CircuitSolver[®]**. A union should be used after the CS-type **CircuitSolver[®]**. See schematic diagram below.
- 2) Install valve with proper flow direction as marked on valve body. This is critical with valves that have an integrated check valve.
- 3a) **CircuitSolver[®] Models ending in -PP:** When using Viega ProPress[®] adapters, please consult the Viega ProPress Installation Manual for proper installation, tools, etc. Visit <https://www.viega.us/en/products/ProPress/Downloads.html>
- 3b) **CircuitSolver[®] Models ending in -PX:** When using Uponor ProPEX[®] adapters, please consult the Uponor ProPEX[®] Installation Manual for proper installation, tools, etc. [https://www.uponor.com/en-us/products/fittings/metal-fittings/propex-lead-free-\(lf\)-brass-male-threaded-adapters](https://www.uponor.com/en-us/products/fittings/metal-fittings/propex-lead-free-(lf)-brass-male-threaded-adapters)
- 4) CircuitSolver[®] valves are designed to be installed at the end of each domestic hot water supply just prior to the return line. See diagram below.
- 5) 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.

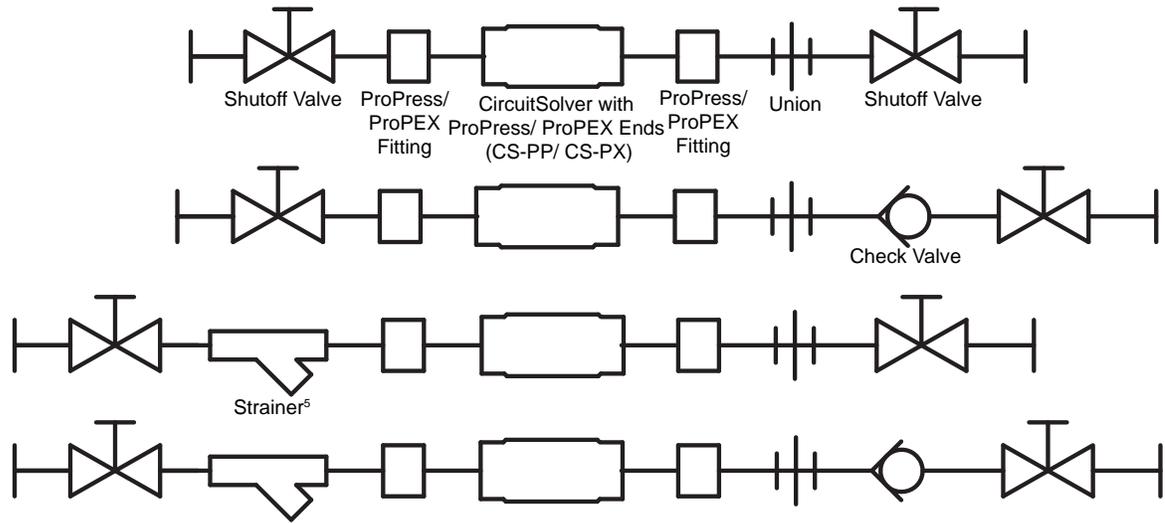
MULTI-BRANCH PARALLEL PIPING CIRCUIT:



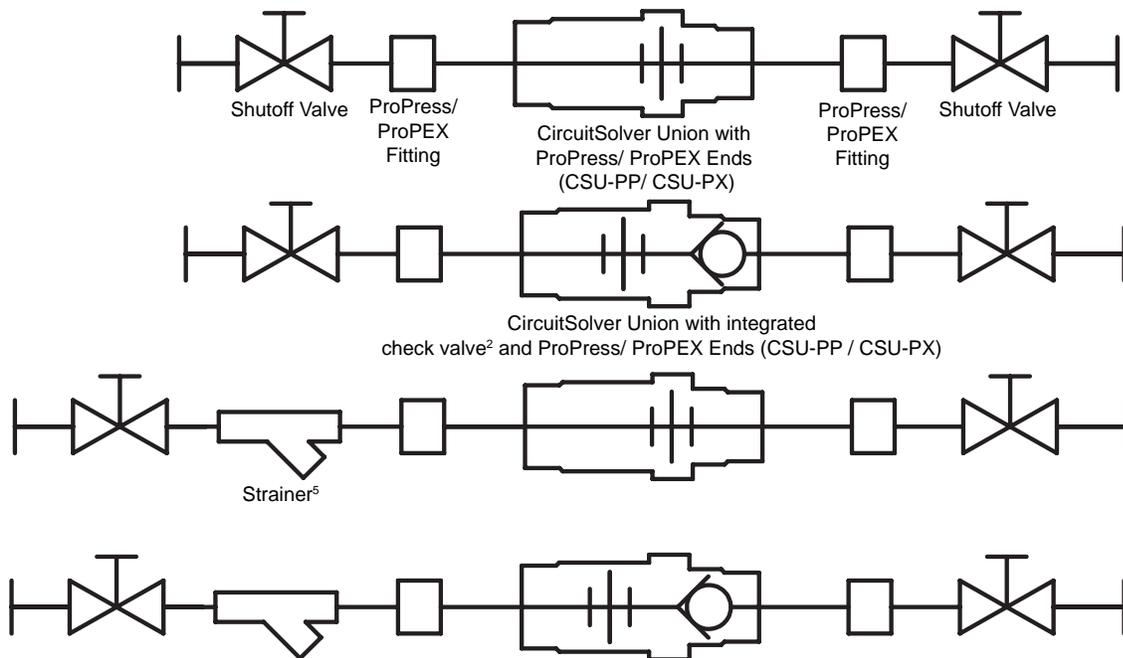
Buy American to Build America[®]

SCHEMATIC DIAGRAMS

CircuitSolver® with ProPress/ ProPEX Ends (CS-PP/ CS-PX)



CircuitSolver® Union with ProPress/ ProPEX Ends (CSU-PP/ CSU-PX)



WARNING: This product can expose you to chemicals, for example lead, nickel, acrylonitrile, which are known to the State of CA to cause cancer, birth defects, or reproductive harm. For more information, go to www.P65Warnings.ca.gov

Warranty information disclosed at www.thermomegatech.com/terms-conditions/

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CS-PP & CSU-PP/
CS-PX & CSU-PX_IMI
REV: 4/24/24