Eastman™ Tankless Water Heater Isolation Valve Kit

INSTALLATION, USE & CARE GUIDE

PART #60205	COPPER SWEAT	3/4 IN. NOMINAL

Provides hot- and cold-water isolation, service access, flushing and draining capability, and a pressure-relief connection for tankless water heater installations.

IMPORTANT SAFETY INFORMATION

WARNING: Installation must be performed by a qualified plumbing professional and must comply with the water-heater manufacturer instructions and applicable local codes.

- Shut off the water supply and water-heater energy source. Allow hot components and water to cool.
- Do not install a shutoff valve, plug, cap, or restriction between the heater and pressure relief valve or in the discharge line.
- Route relief discharge to an approved termination where hot water cannot contact people or damage property.
- Support the valve body when tightening connections. Do not overtighten unions, threaded parts, service caps, or the relief valve.
- Do not install damaged components or missing union seals.

KIT ORIENTATION

- Install the red isolation/service valve at the heater hot-water outlet.
- Install the blue isolation/service valve at the heater cold-water inlet.
- Install the included pressure relief valve in the designated hot-valve relief port.
- Keep handles and service ports accessible for operation, hose connection, and drainage.

ASSEMBLY AND INSTALLATION

1. Isolate the system. Shut off water and the heater energy source. Open a hot-water fixture to relieve pressure and drain as needed.

2. Install the hot valve. Confirm the union gasket is seated. Attach the red valve to the hot-water outlet without applying sealant to the gasketed union face.

3. Install the cold valve. Confirm the union gasket is seated. Attach the blue valve to the cold-water inlet.

4. Install pressure relief. Apply approved thread sealant to male threads only. Install the relief valve in the hot-valve relief port. Do not plug, cap, alter, or isolate it.

5. Connect the discharge. Route an approved 3/4 in. discharge line continuously to an approved termination. Do not reduce, trap, obstruct, or valve the line.

6. Connect the Copper Sweat piping. Use an approved lead-free soldering procedure. Protect heat-sensitive valve components and seals from flame and excess heat. Clean, flux, and join the copper tube; allow the assembly to cool before applying pressure.

7. Set valve positions. Close both service valves and hand-tighten their caps. Place the main hot and cold isolation valves in the normal operating position.

8. Test. Open the water supply slowly, purge air, and inspect every union, joint, service port, cap, and relief connection. Correct leaks before restoring energy.

9. Commission. Follow the tankless water-heater manufacturer startup procedure.

USE AND CARE

PART #60205 | COPPER SWEAT

NORMAL OPERATION

- Main isolation valves open.
- Service valves closed with caps hand-tight.
- Pressure relief valve and discharge line unobstructed.

Never rely on a service-port cap as the primary shutoff. Close the service valve before removing its cap.

FLUSHING OR DESCALING

- Shut off the heater energy source and let the unit cool.
- Close the hot and cold isolation valves.
- Confirm service valves are closed, then slowly remove the service-port caps.
- Connect service hoses and follow the heater manufacturer cleaning procedure and cleaning-solution instructions.
- Flush with clean water as directed by the heater manufacturer.
- Close service valves, disconnect hoses, reinstall caps, reopen isolation valves, purge air, check for leaks, and recommission the heater.

ROUTINE INSPECTION

- Check for leakage, corrosion, mineral buildup, damaged handles, loose caps, degraded seals, and unsupported piping.
- Keep service ports, handles, relief valve, and discharge termination accessible.
- Replace a valve assembly that leaks or does not operate correctly. Do not force or modify it.
- Have the relief valve inspected or replaced as required by its manufacturer and local code.

PRODUCT INFORMATION

Minimum rated flow	68 L/min (18 gpm) at 140 kPa (20 psi)
Ball-valve listings	ASME A112.4.14/CSA B125.14; IAPMO/ANSI Z1157; NSF/ANSI/CAN 61; NSF/ANSI/CAN 372
Relief-valve listings	ANSI Z21.22/CSA 4.4; NSF/ANSI/CAN 372; ASME BPVC Section XIII for Section IV, HV Designator applications
Customer service	1-877-700-4242 | eastmanplumbing.com

California Proposition 65: WARNING: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, visit P65Warnings.ca.gov.

DRAFT DOCUMENT CONTROL: Final connection instructions, relief discharge requirements, warranty language, and artwork require RWC Engineering, Quality, Regulatory, Legal, and Brand approval before publication.