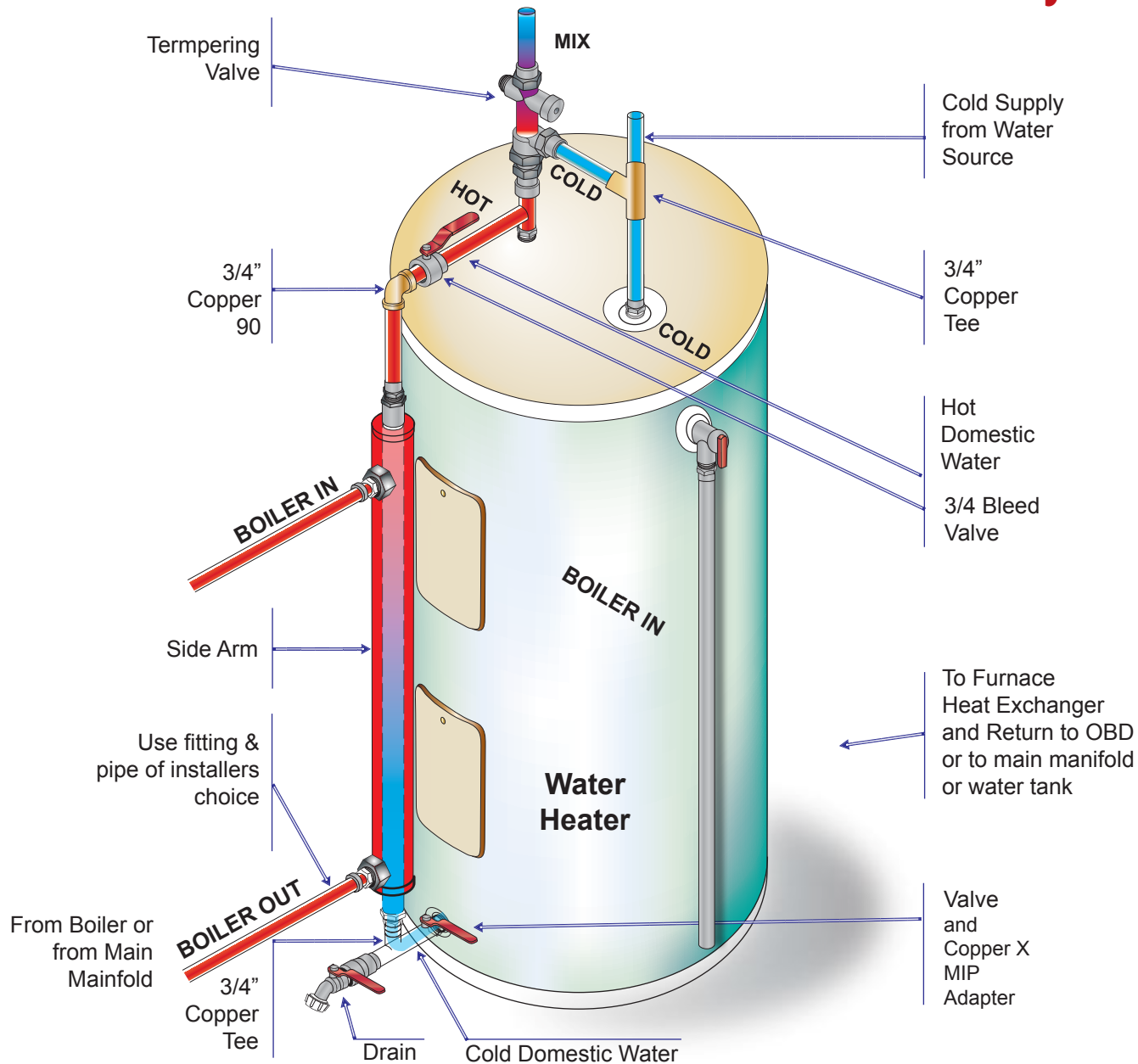


Side Arm Assembly

Water - to - Water Heat Exchanger



Water -to- Water Heat Exchanger Side Arm Assembly Parts List

- 1x Side Arm (Part #)
- 1x Tempering Valve
- 1x Copper X MIP Adapter (Part #)
- 1x Drain (Part #)
- 2x 3/4" Bleed Valve (Part #)
- 3x 3/4" Copper Tee (Part #)
- 1x 3/4" Copper 90
- 1x Air Bleed

Side arm works with the principle of hot water rising. The side arm heat exchanger consists of a tube inside a larger tube - the larger tube will have OWB water pumped through it continuously, the inner tube will have DHW potable water inside it. As the hot water from OWB heats up the DHW, the DHW rises and returns in to top of DHW tank. The thermal cycle continues . The water in the tank may get very HOT - this is why a tempering valve may be required for safety.

The tempering valve mix 's some cold DHW with the very hot water stored in the DHW tank to a safe temperature usually around 120 degrees F to 140 degree F.