
CHALLENGER

DHW Flow Restrictor Instructions



NOTICE

The installation of a domestic hot water (DHW) flow restrictor is recommended to ensure a constant supply of hot water especially to tubs where the flow can easily exceed the appliance capabilities. The DHW flow restrictor must be installed in the DHW inlet adapter, refer to Fig. 1, page 2 for proper color (size) of restrictor for any given model and proper installation using the c-clip.

Kit Part Number: CCRKIT39

Kit Includes:

- Red 3.1 GPM Flow Restrictor (CC 125)
- Blue 2.6 GPM Flow Restrictor (CC 105)
- White 2.1 GPM Flow Restrictor (CC 85)
- C Clip

Recommended Tools:

- C Clip Pliers
- Adjustable Wrenches

WARNING

Indicates a potentially hazardous situation which if ignored, can result in serious injury or substantial property damage.

NOTICE

Indicates special instructions on installation, operation or maintenance, which are important to equipment but not related to personal injury hazards.

WARNING

For your safety, turn off electrical power supply at service panel and allow appliance to cool before proceeding. Failure to do so can cause severe personal injury or death.

WARNING

Failure to follow instructions below can result in severe personal injury or damage if ignored.

- Instructions are for a qualified installer/service technician.
- Read all instructions before proceeding.
- Follow instructions in proper order.

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DHW Flow Restrictor Instructions

DHW Flow Restrictor Installation

Installing the DHW Flow Restrictor while installing the boiler only requires steps 6 & 7.

1. Turn off electrical power supply to the unit by disconnecting the main power source.
2. Shut off both domestic hot water isolation valves at the water heater and open both drain valves to drain all water from the water heater.
3. Using two wrenches, disconnect the cold water supply line from the domestic hot water inlet adapter.
4. Using two wrenches, loosen the water heaters domestic hot water inlet adapter from the water heater.
5. Remove the domestic hot water inlet adapter from the piping support bracket by removing the retaining clip.
6. Install the appropriate color flow restrictor for the Challenger model in the bottom of the domestic hot water inlet adapter. See Fig. 1.
7. Install the C Clip into the domestic hot water inlet adapter to hold the flow restrictor in place.
8. Install the domestic hot water inlet adapter in the piping support bracket and attach the retaining clip.
9. Using two wrenches, tighten the boiler side compression nut onto the domestic hot water inlet adapter.
10. Install the cold water supply line onto the domestic hot water inlet adapter and tighten using two wrenches.
11. Close the water heater drain valves and open the domestic hot water isolation valves.
12. Turn on electrical power to the unit and return to service.

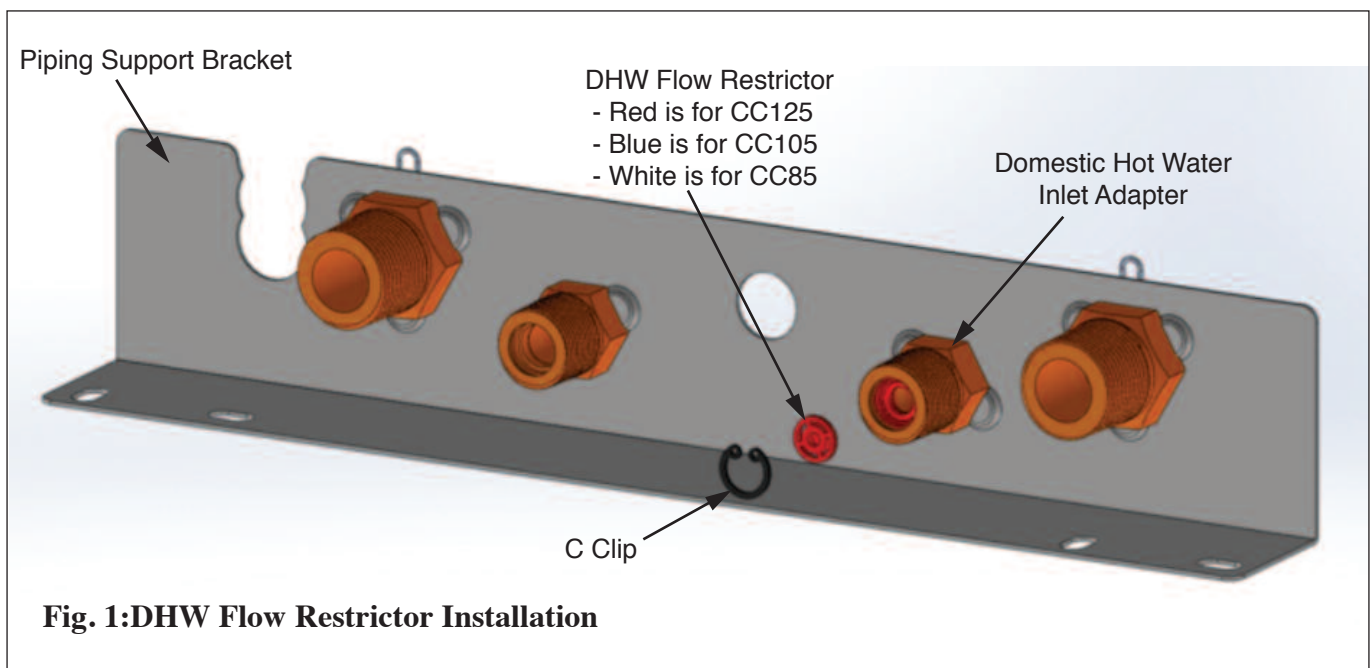


Fig. 1: DHW Flow Restrictor Installation