Dedicated Recirculation Valve
For Rinnai Tankless Water Heaters

SPECIFICATIONS

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<th>Item</th>
<th>Dedicated Recirculation Valve (DRV)</th>
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<td>Part Number</td>
<td>107000450</td>
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<td>Purpose</td>
<td>To simplify tankless water heater installations that use a dedicated return line for recirculation</td>
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| Designed For          | • Tankless water heaters with recirculation capability  
                        • Plumbing systems that use a dedicated circulation return line  
                        (Not intended for plumbing systems using a thermal bypass valve/ crossover valve for recirculation) |
| Tankless Water Heater Models | RL75i/e, RL94i/e, RLX94i/e, RU130i/e, RU160i/e, RU180i/e, RU199i/e, RU160i/e, and RU199i/e |
| Dimensions            | Width: 5-7/8 in.  Height: 6-1/8 in. |
| Weight                | 2 lb / 0.9 kg (Assembled)           |
| Material              | Lead-Free Brass                     |
| Connection Size       | 3/4 in. NPT                         |

Valve Components
The Dedicated Recirculation Valve consists of the following two components:

**Return Line Valve**
- Includes integrated check valve
- Integrated check valve on the recirculation port prevents backflow into the return line.
- Dedicated return line drain/hose bib allows for easy air purging of the dedicated return line.

**Cold Water Valve**
- Drain/Service Valve
- Isolation Valve
- Integrated isolation valve and drain valve allow for isolation and draining of the tankless water heater.

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Assembly

You Will Need:
- Return Line Valve and Cold Water Valve (included with purchase)
- Teflon Tape (field-supplied)

1. Apply Teflon tape to the threads on the Return Line Valve.

2. Thread the Return Line Valve into the Cold Water Valve (to form the Dedicated Recirculation Valve).

3. Thread the Dedicated Recirculation Valve onto the cold water inlet of the tankless water heater.

Parts Overview

1. Water Heater Drain/Service Connection
2. Recirculation Return Line Connection (3/4 in. NPT)
3. Recirculation Return Line Drain Valve
4. Dedicated Return Line Drain
5. Cold Water Inlet Connection (3/4 in. NPT)
6. Cold Water Isolation Valve
7. Drain/Service Valve

Installation must conform to the “Rinnai Tankless Water Heater Installation and Operation Manual” that is shipped with the unit, local codes, or in the absence of local codes, with the National Fuel Gas Code, ANSI Z223.1/NFPA 54.