Notes:

1. Size the pump to provide a maximum of 2.0 GPM through the system at 10 ft of head plus piping losses. Adjust the flow using a globe valve and verify the flow rate with the maintenance monitors.
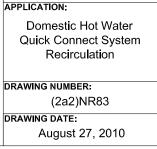
2. For residential products, the use of an aquastat is the minimum pump control requirement in order to maintain the full 12-year (or 6500 operational hours) recirculation warranty. An additional timer is also recommended to further reduce the operational hours. See Noritz limited warranty for complete details. Set the aquastat to 10°F below the set output temperature of the water heater.

3. Quick Connect Cable is only available for 2 unit Multi-System. When Quick Connect Cable is in use, pump control and tub alarm features are disabled.

4. When connecting 2 devices, use only a single remote controller. Disconnect the Remote Controller from the secondary unit.

5. Size the piping to allow for the maximum flow rates of the units.

6. Noritz recommends the use of Isolation Kit (IK-WV-7) with installation. Connections are available in Threaded or Sweat. These kits include an integrated shut-off and service valve with unions and a pressure relief valve.

Quick Connect Cable (*3)

Isolation Kit (*6)

Expansion Tank (Install according to local code)

Cold Water Supply

Aquastat (*2)

Hot Water Return

Globe Valve
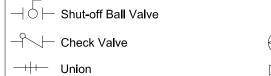
Pump (*1)

Gas Supply

Hot Water Supply (*5)

Fixtures

![Noritz Logo] **NORITZ**

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Fountain Valley, California 92708
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www.noritz.com

MODEL:
NR83 Series
APPLICATION:
Domestic Hot Water Quick Connect System Recirculation
DRAWING NUMBER:
(2a2)NR83
DRAWING DATE:
August 27, 2010

Noritz Accessories

QC-2 (Quick Connect Cable, for 2 unit Multi-System)

Note: This diagram is for reference only. Installation must comply with State and Local Code, all gas and water pipe must be sized correctly to specific length, according to accepted engineering methods or the UPC Code for Noritz Water Heaters to operate correctly.

Shut-off Ball Valve

Check Valve

Union

Pressure Relief Valve (Watts 3L, Zurn P1000A, Cash Acme FWL-82)

Aquastat (Honeywell Model #L6006A or L6006C)

Pump

Mixing Valve

Thermal Expansion Tank