



REVISIONS			
REV.	DESCRIPTION	DATE	APPRVD.

- Notes:**
1. Size the pump to provide a maximum of 2 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. Pump Control Signal is Noritz's preferred method to control the recirculation pump. For pumps larger than 85W, relay connection should be used. If Noritz pump control is not used, an aquastat may be used to control pump.
 3. Set the aquastat to 15°F below the set output temperature of the water heater.
 4. 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.
 5. Use condensate pump when drain is located far away from water heater and size for desired lift distance. For the condensate drain line, use 1/2" PVC pipe. Slope horizontal pipe downwards 1/4" per foot towards drain or condensate pump. Do not submerge or block end of drain pipe.

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MODEL: NRC111 Series
APPLICATION: Domestic Hot Water Recirculation
DRAWING NUMBER: (2a1)NRC111
DRAWING DATE: February 25, 2011

- Noritz Accessories**
- RC-7649M (Remote Controller)
 - RC-CORD10 (10' Remote Controller Cord, optional in 26')
 - VC-4C (Outdoor Vent Cap for -SV model only)

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.

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| Shut-off Ball Valve | Aquastat (Honeywell Model #L6006A or L6006C) |
| Check Valve | Pump |
| Union | Mixing Valve |
| Pressure Relief Valve (Watts 174A, Zurn P3000BR, Cash Acme F-82) | Thermal Expansion Tank |