

Draining the Condensate

▲ CAUTION: Condensate is known to be acidic; refer to local, state (provincial) or federal codes for proper handling and discharge methods.

▲ CAUTION: Condensate must drain away from the water heater and should not be allowed to enter the water heater.

▲ WARNING: Failure to provide a vent condensate drain close to the appliance could allow acidic flue gas condensate to enter into appliance flueways, causing premature failure of the water heater.

▲ WARNING: If the condensate collector is not used, the drain fitting must be capped to prevent exhaust gases and condensate from entering the building. The cap is supplied on the water heater.

Provision should be made to collect and dispose of condensate from venting systems.

When a water heater is **vented horizontally**, the vent pipe can have a **DOWNWARD** or **UPWARD** slope towards the termination. If an **UPWARD** slope is used, always attach a drain hose to the drain fitting and plumb the hose to a sanitary sewer drain.

See Examples A and B on pages 13 and 14 for **DOWNWARD** and **UPWARD** slope for horizontally vented water heaters.

When a water heater is **vented vertically**, an **UPWARD** slope must always be used. See the diagram on page 14 showing **UPWARD** slope for vertically vented water heaters.

Always attach a drain hose to the drain fitting and plumb the hose to a sanitary sewer drain.

A high temperature silicone tubing suitable for use with acidic condensate and appropriate for the temperature range should be used.

The drain tube is fashioned into a “pigtail” trap and must be filled with water to prevent flue gases from emitting into the building prior to operating the appliance. (see diagram)

