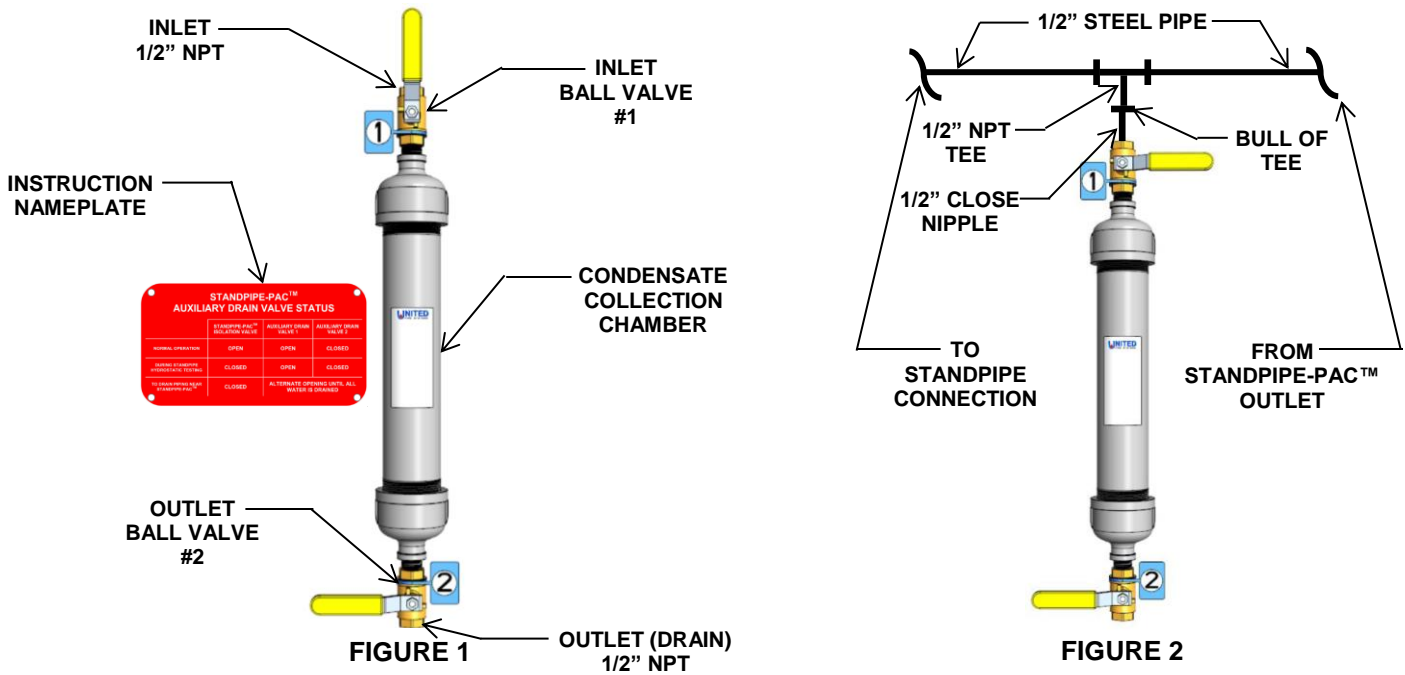


INSTRUCTION SHEET

STANDPIPE-PAC™ Auxiliary Condensate Drain Device Kit
P/N 10-220000-100



DESCRIPTION

The **UNITED Fire Systems STANDPIPE-PAC™ Auxiliary Condensate Drain Device** permits manual draining of water in the piping near the STANDPIPE-PAC™ unit, to help prevent water entry into the unit and pipe blockage without removing all air from the standpipe.

It is important to remove all water from dry standpipes after use or hydrostatic testing. Additionally, temperature changes can cause condensation within the standpipe. While a low-point main drain should be installed and used, there is the possibility of water accumulation near the STANDPIPE-PAC™ outlet. The Auxiliary Condensate Drain Device should be used to remove this water accumulation, without resorting to depressurizing the entire standpipe. The outlet may be left plugged, or piped to a water drain.

When properly installed and used, the STANDPIPE-PAC™ unit is protected from inadvertent water infiltration, resulting in longer component life and less internal damage from water.

SPECIFICATIONS

Inlet	Outlet (Drain)	Temperature Range	Maximum Pressure
1/2" NPT Female	1/2" NPT Female (Plugged)	32°F to 120°F (0°C to 49°C)	175 PSIG



The Auxiliary Condensate Drain Device does NOT take the place of a standpipe system main drain. Ensure that a main drain valve is properly installed at the lowest point of the standpipe, in an accessible area, where all the water from the standpipe may be properly drained.

INSTALLATION INSTRUCTIONS – READ AND UNDERSTAND BEFORE INSTALLATION

1. Determine the installation location of the Auxiliary Condensate Drain Device:
 - a. Locate the device in close proximity to the outlet of the STANDPIPE-PAC™.
 - b. The location of the STANDPIPE-PAC™ and the Auxiliary Condensate Drain Device MUST be in an area protected from freezing temperatures (over +32°F (0°C)).
 - c. The device MUST be installed vertically – see Figure 1.
 - d. No separate bracket is necessary – the inlet piping connection should be satisfactory to hold the device in place.

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INSTRUCTION SHEET

STANDPIPE-PAC™ Auxiliary Condensate Drain Device Kit P/N 10-220000-100



INSTALLATION INSTRUCTIONS – CONTINUED

2. Remove and discard plastic plug from device inlet (Valve 1).
3. See Figure 2. Attach a 1/2 inch close pipe nipple and the bull of a 1/2 inch pipe tee to device inlet (Valve 1).
4. Install a convenient length of 1/2 inch threaded pipe between the outlet of the STANDPIPE-PAC™ and the run of the tee attached to device inlet.
5. See Figure 3. Connect 1/2 inch pipe to the remaining run of the tee attached to the device and the inlet to the dry standpipe. Pitch the pipe to drain away from the device.
6. See Figure 1. Attach Instruction Nameplate to wall in close proximity to device.

COMMISSIONING – Follow STANDPIPE-PAC™ commissioning instructions in applicable manual. Operate Auxiliary Condensate Drain Device to ensure that water is properly drained from standpipe BEFORE standpipe is pressurized with air by STANDPIPE-PAC™.

OPERATION – To drain water from piping in vicinity of STANDPIPE-PAC while standpipe is pressurized with air by STANDPIPE-PAC™:

1. Unlock and close STANDPIPE-PAC™ outlet valve.
2. Remove and retain steel plug from device outlet (Valve 2).
3. Open Valve 1 of Auxiliary Condensate Drain Device, allowing water to drain into device.
4. Close Valve 1 BEFORE opening Valve 2.
5. Open Valve 2 of Auxiliary Condensate Drain Device, allowing water to drain from device.
6. Close Valve 2, and re-open Valve 1. Repeat until no additional water drains from device outlet.
7. Replace steel plug in device outlet (Valve 2).

IMPORTANT

Although the STANDPIPE-PAC™ is equipped with an inlet check valve, it is important to take precautions to prevent inadvertent water entry into the STANDPIPE-PAC piping and components. To prevent such water entry, **always remember** to do the following:

- ALWAYS unlock and close STANDPIPE-PAC outlet valve BEFORE testing standpipe by flooding with water.
- ALWAYS completely drain standpipe at main drain after testing standpipe by flooding with water, and operate Auxiliary Condensate Drain Device until no water drains from device.
- ALWAYS open and re-lock STANDPIPE-PAC™ outlet valve after completely draining water.
- NEVER flood standpipe with water when STANDPIPE-PAC™ outlet valve is closed, UNLESS standpipe is being used by fire department.
- NEVER expose STANDPIPE-PAC™ or Auxiliary Condensate Drain Device to freezing temperatures. Ice can block STANDPIPE-PAC™ outlet and / or standpipe, possibly inhibiting standpipe use by Fire Department in case of emergency.

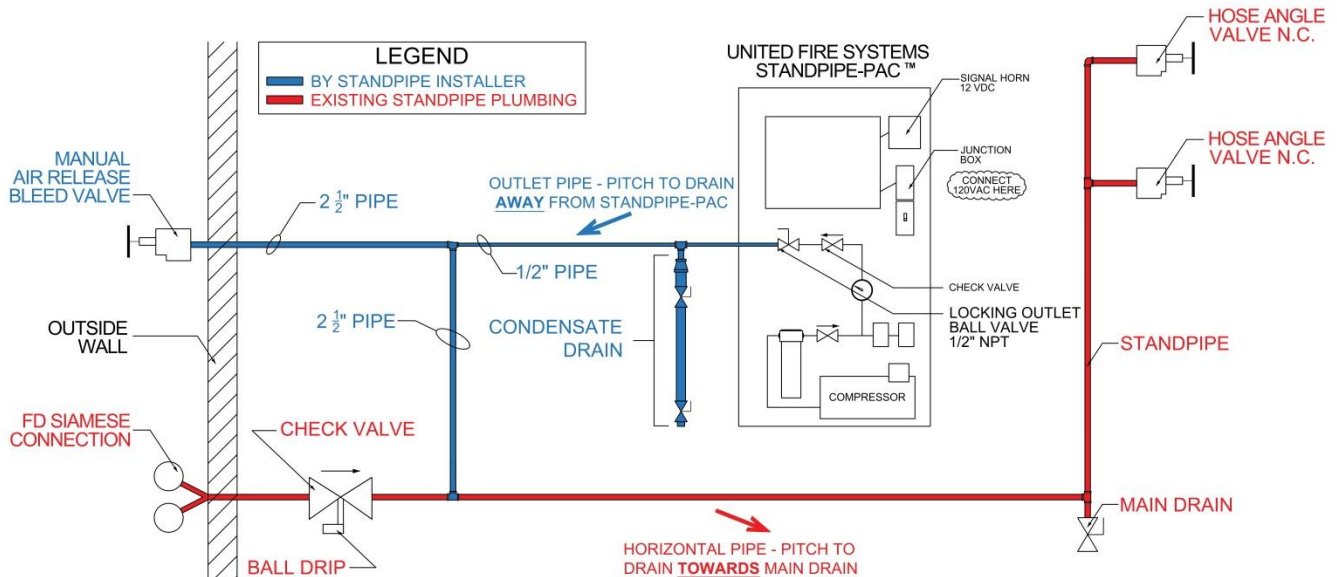


FIGURE 3

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