COLLECTANDRAIN®

Model 5100ALBV to 5150ALBV

Water Detector Field Modification

To add a Model 5150 Reversible Tee to an existing Model 5100AL Water Detector on an installed COLLECTANDRAIN Model 5300ALBV or 5100ALBV please follow the instructions below and then refer to the enclosed Owner's Manual for operating instructions.

PROCEDURE

STEP 1:

Isolate the auxiliary drain that the new COLLECTANDRAIN Model 5150 Reversible Tee is to be installed on by closing the supply valve (upper).

STEP 2:

Remove the drain plug and open the drain valve (lower) to empty any condensate that may have collected in the auxiliary drain and to relieve any air pressure.

STEP 3:

Remove the existing 5100AL Water Detector, union (if applicable), and nipple from the valve using the brass hex with a 3/4" wrench.

CAUTION: ***DO NOT*** use the alarm box to loosen the water detector from the valve as damage to the water detector will occur.

STEP 4:

Remove the drain valve.

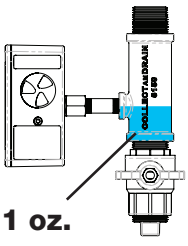
STEP 5:

Apply PTFE tape to both ends of the included 1" nipple and hand-tighten one end into the auxiliary drain assembly.

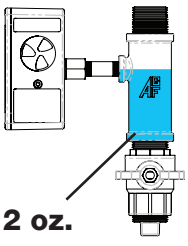
STEP 6:

Determine desired collection volume and hand-tighten the Model 5150 Tee onto the bottom of the 1" nipple.

- Branch of 5150 tee at the bottom allows for 1 oz. of accumulation.
- Branch of 5150 tee at the top allows for 2 oz. of accumulation.



Minimum Volume Installation



Maximum Volume Installation

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STEP 7:

Apply PTFE tape or appropriate sealant to the male threads of the 1” ball valve and thread it into the bottom of the Model 5150 Tee.

STEP 8:

Tighten the assembly with a wrench so that the branch of the Model 5150 Tee will accommodate the installation of the alarm enclosure and so that the handle of the ball valve is easily accessible.

NOTE: If the rear of the auxiliary drain is close to a wall or other obstruction you may leave the branch of the 5150 Tee facing out to allow the alarm enclosure to be easily threaded into the tee prior to final positioning.

STEP 9:

Apply new PTFE tape or appropriate sealant to the exposed threads of the alarm enclosure’s brass nipple taking care to not get sealant or other foreign matter on the water sensing probe.

STEP 10:

Using a 3/4” open end wrench on the hex adapter of the alarm enclosure, tighten the alarm’s nipple into the branch of the Model 5150 Tee.

CAUTION: ***DO NOT*** use the alarm box to tighten the water detector to the Model 5150 Tee as damage to the water detector will occur.

Ensure that access is available to the wiring knockout if system is to be hardwired (top knockout is preferred position) and that enough space is available to remove the front cover of the alarm enclosure. The LED and speaker should also be visible when finished.

STEP 11:

Apply PTFE tape to the drain valve and thread it into the bottom of the Model 5150 Tee.

STEP 12:

Apply PTFE tape to the included 1/4” brass plug and thread it into the side port where the alarm was located and tighten.

STEP 13:

Apply PTFE tape to the 1” drain plug and thread it into the outlet of the drain valve. Confirm that the new drain **valve is closed** and the drain plug is tight.

STEP 14:

Refer to Model 5150ALBV Owner’s Manual - Wiring and Operating Instructions (pg. 5) to provide the required power for alarm activation.

STEP 15:

After required power is supplied to the alarm enclosure return system back to normal operating condition by opening the supply valve (upper). The auxiliary drain is now ready to collect condensation and the alarm is ready to notify when condensation has accumulated to its desired volume.