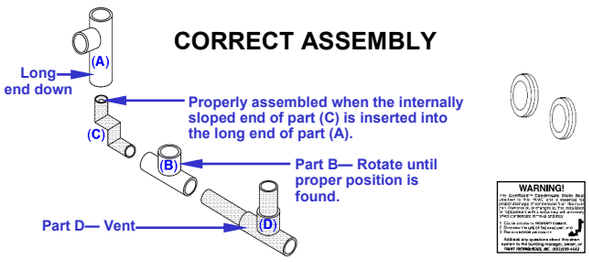
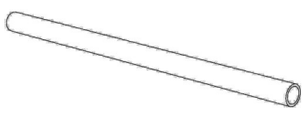
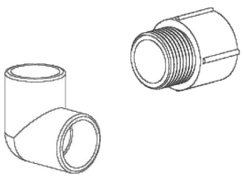
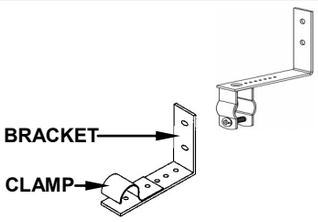
# INSTALLATION INSTRUCTIONS

**CostGard™** Condensate Drain Seal
RTU SYSTEM KIT MODEL# **TP-033-120-77**

**NO TRAP REQUIRED**

| **TRANE PRECEDENT**<br>3/4" Drain – 3.TO 10 TONS – 033-120 | | | |
|---|---|---|---|
| DHC, THC, TSC, TZC, WHC, WSC, YHC, YSC, YZC | | | |
| 033/036/037 | 043/047/048 | 060/063/067 | 072/074 |
| 090/092 | 102 | 120 | |

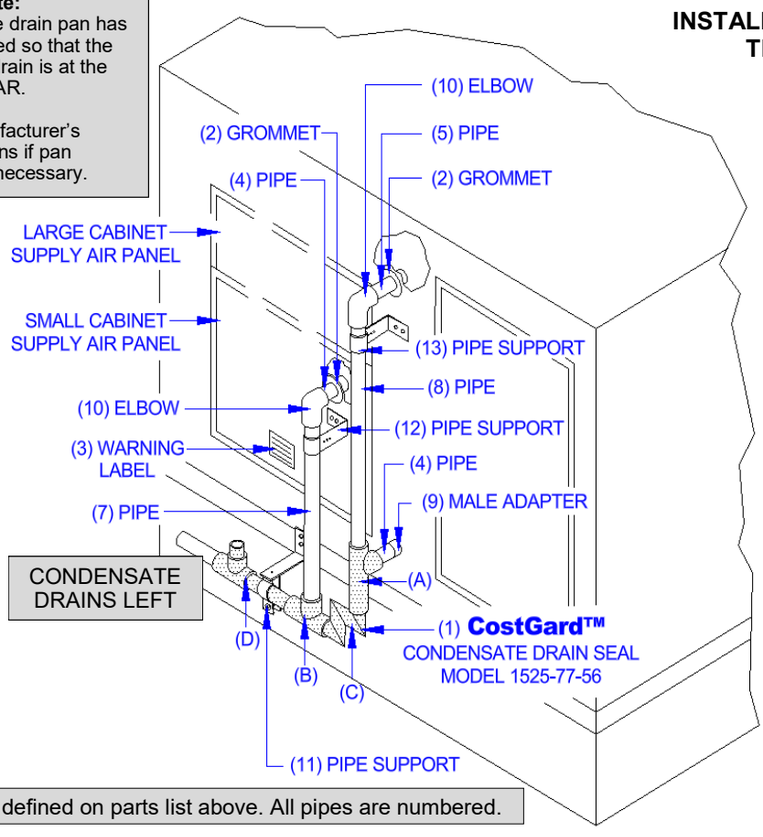
## *PARTS LIST*

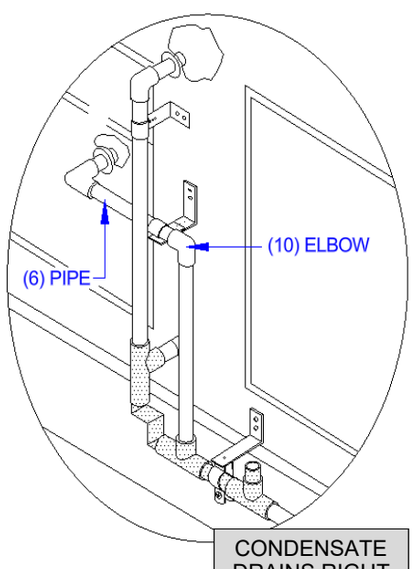
| Identification Symbol & Description | Part # | Qty | Part Name and/or Size |
|---|---|---|---|
|  | 1 | 1 | **CostGard™ Condensate Drain Seal**<br>**Parts A, B, C & D** |
|  | 2 | 2 | **GROMMET – FOR 3/4 INCH PIPE PN. 2277** |
|  | 3 | 1 | **WARNING LABEL & INSTALLATION INSTRUCTIONS** |
|  **SCHEDULE 40 UV STABILIZED PVC PIPE** | 4<br>5<br>*6<br>7<br>8 | 2<br>1<br>1<br>1<br>1 | **3/4 INCH PIPE – 3 INCHES LONG**<br>**3/4 INCH PIPE – 4 INCHES LONG**<br>**3/4 INCH PIPE – 6-1/4 INCHES LONG**<br>**3/4 INCH PIPE – 16-1/2 INCHES LONG**<br>**3/4 INCH PIPE – 23 INCHES LONG**<br>* Pipe #6 used when condensate drains right |
|  **SCHEDULE 40 UV STABILIZED PVC ADAPTER** (MIPT X SLIP) | 9 | 1 | **3/4 INCH MALE ADAPTER** |
| **SCHEDULE 40 UV STABILIZED PVC 90º ELBOW** (SLIP X SLIP) | 10 | 3 | **3/4 INCH ELBOWS** |
|  **PIPE SUPPORT MODIFIED HANGER** (requires screws below) | 11 | 1 | **STEEL BRACKET - PIPE SUPPORTS #108-B**<br>**3/4 INCH PIPE HANGER #2110** |
| **PIPE SUPPORT MODIFIED CLAMP** (requires screws listed below) | 12 | 2<br>2 | **STEEL BRACKET - PIPE SUPPORTS #108**<br>**3/4 INCH CLAMPS** |
|  **SELF TAPPING SCREWS** | 13 | 7 | **#10-16 X 3/4" SELF TAPPING SCREWS** |

**Note:**
The condensate drain pan has been positioned so that the condensate drain is at the REAR.

See manufacturer's instructions if pan rotation is necessary.

## INSTALLATION ILLUSTRATIONS
## TRANE PRECEDENT
## 3 TO 10 TON




Part numbers defined on parts list above. All pipes are numbered.



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# *INSTALLATION INSTRUCTIONS*

## **CostGard™** Condensate Drain Seal

RTU SYSTEM KIT MODEL# **TP-033-120-77**

**NO TRAP REQUIRED**

| **TRANE PRECEDENT**<br>3/4" Drain – 3.TO 10 TONS – 033-120 | | | |
|---|---|---|---|
| DHC, THC, TSC, TZC, WHC, WSC, YHC, YSC, YZC | | | |
| 033/036/037 | 043/047/048 | 060/063/067 | 072/074 |
| 090/092 | 102 | 120 | |

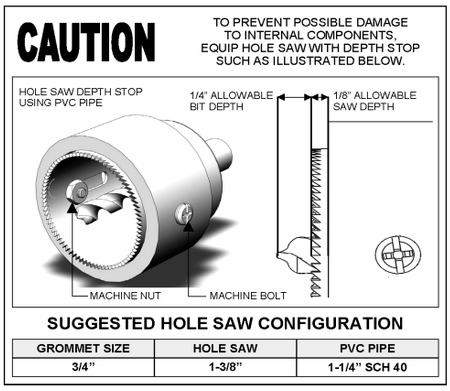
This kit includes all necessary components for installing the CostGard™ Condensate Drain Seal on Trane Precedent 3 to 10 Ton RTU units. The components provided are listed on the back of this page.

**INSTALLATION STEPS**

**Step 1:** Open packages to check for missing or damaged parts. In case of discrepancies, notify Trent Technologies immediately.

**Step 2:** Identify the hole locations in the panels where installation pipes are to be connected; see Points A and B in figure 1. If the HVAC unit is "CostGard™ Ready," the proper hole sizes are pre-cut and protected with a removable cover. In this case, remove the covers and proceed to Step 4. Otherwise, continue to Step 3.

**Step 3:** For units not "CostGard™ Ready," use a 1-3/8" hole saw and cut holes in the panels at the locations defined by the dimensions in Figure 1 to the right at points A and B.




**SUGGESTED HOLE SAW CONFIGURATION**

| GROMMET SIZE | HOLE SAW | PVC PIPE |
|---|---|---|
| 3/4" | 1-3/8" | 1-1/4" SCH 40 |

**Step 4:** Install grommets provided in the holes.

**Step 5:** Assemble the other components as illustrated on the back of this page, and dry-fit all parts together. Note that Parts "A", "B", "C", and "D" of the CostGard™ Condensate Drain Seal are not bonded. This allows rotation for routing, draining condensate to either the left or the right, and attaching the air supply piping. Figure 2 shows installation photos of condensate draining to the left and right. To change drainage from left to the right, rotate part "C" of the CostGard™ Condensate Drain Seal and use pipe (#6) to connect to hole B.

**Step 6:** Once all components are assembled and the pipe is installed, attach the supports and ensure that each connecting joint is bonded securely with PVC cement.

**Step 7:** SYSTEM CHECKOUT

Check system operation as described in the Checkout Procedure below.

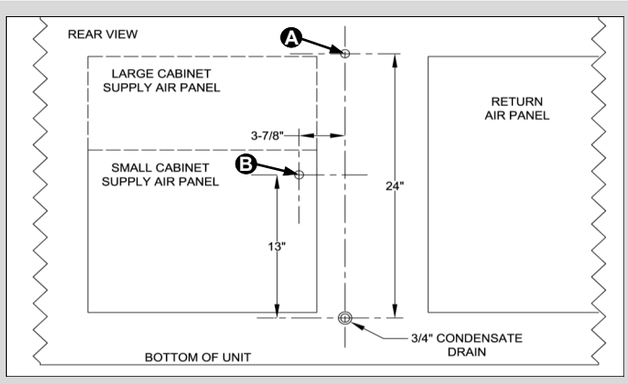
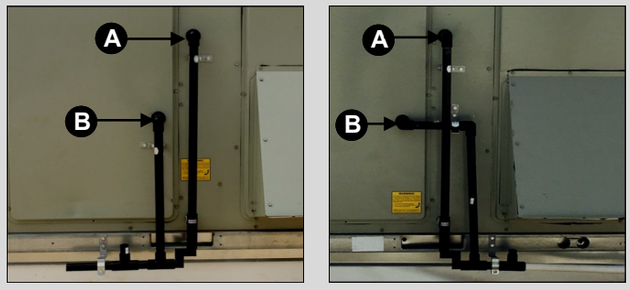



FIGURE 1 HOLE LOCATIONS– TP



Contact Trent Technologies with questions regarding this installation.




CONDENSATE DRAINS LEFT LARGE CABINET

CONDENSATE DRAINS RIGHT LARGE CABINET

FIGURE 2 INSTALLATION PHOTOS

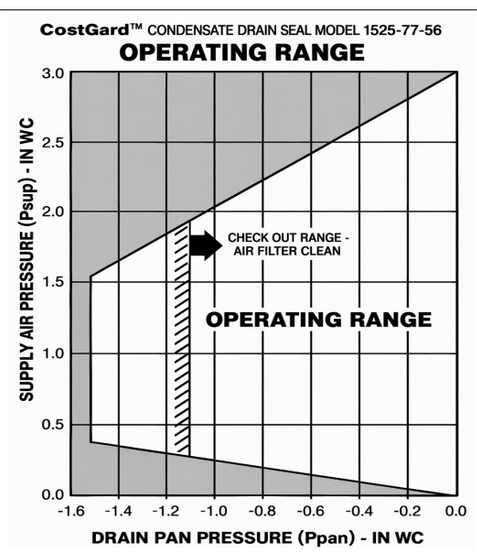
### CHECKOUT PROCEDURE

With the system operating, make the following measurements:

(1) Static pressure in the drain pan compartment, Point A.

(2) Static pressure in the supply air plenum, Point B.

If these pressure values fall within "checkout range-air filter clean," defined on the chart to the right, the system will operate properly. And, it will operate properly when the filter is dirty and ready to be changed (.50 inch wc pressure loss). If the measured pressures are not within the defined operating range, it may still be possible to use the CostGard™ Condensate Drain Seal Model 1525-77-56. Contact Trent Technologies for resolution.






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