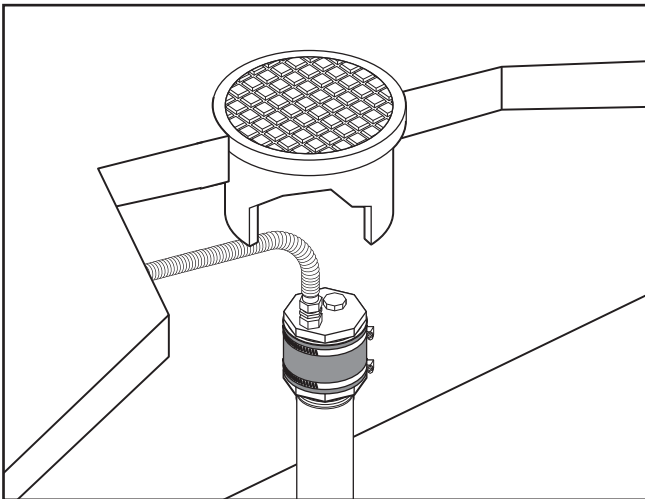# TT-TK

nVent RAYCHEM TraceTek Tank Kit Installation Instructions

DESCRIPTION

The nVent RAYCHEM TraceTek TT-TK Tank Kit is designed for use as an entry port for installing TraceTek sensing cables in the interstitial space of a double wall tank. The TT-TK can be used with two different configurations depending on the TraceTek system employed. (See figures 1 and 2 on page 2.)

TOOLS REQUIRED

- Screwdriver
- Adjustable wrench
- Strap wrench or C wrench
- nVent RAYCHEM heat gun or flameless heating tool

ADDITIONAL MATERIALS REQUIRED

- Teflon sealing tape

For configuration shown in Figure 1:

- nVent RAYCHEM TraceTek TT-MBC-MC Modular Branching Connector

For configuration shown in Figure 2:

- nVent RAYCHEM TraceTek TT-PFT-3/4-MC Pressure Feedthrough Fitting

INSTALLATION NOTES

- Use Teflon tape to seal all threaded surfaces.
- Do not use pipe dope.

KIT CONTENTS

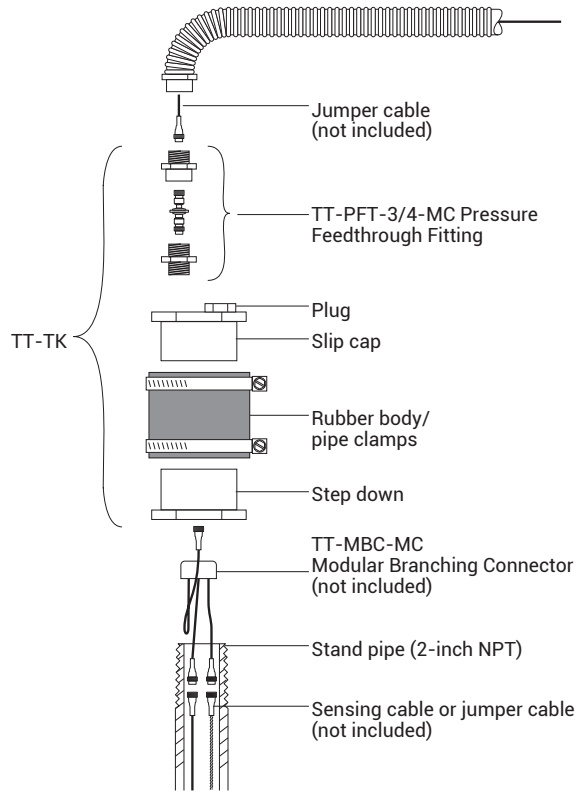| Item	Qty	Description
1		TT-PFT-3/4-MC Pressure Feedthrough Fitting
1		3/4-inch NPT plug (PVC)
1		3-inch slip cap (PVC)
1		Fuel resistant rubber body
2		Pipe clamps (stainless steel)
1		3-inch step-down (PVC)

⚠ **WARNING:**

Fire Hazard. Heat guns and flameless heating tools can cause fire or explosion in hazardous areas.
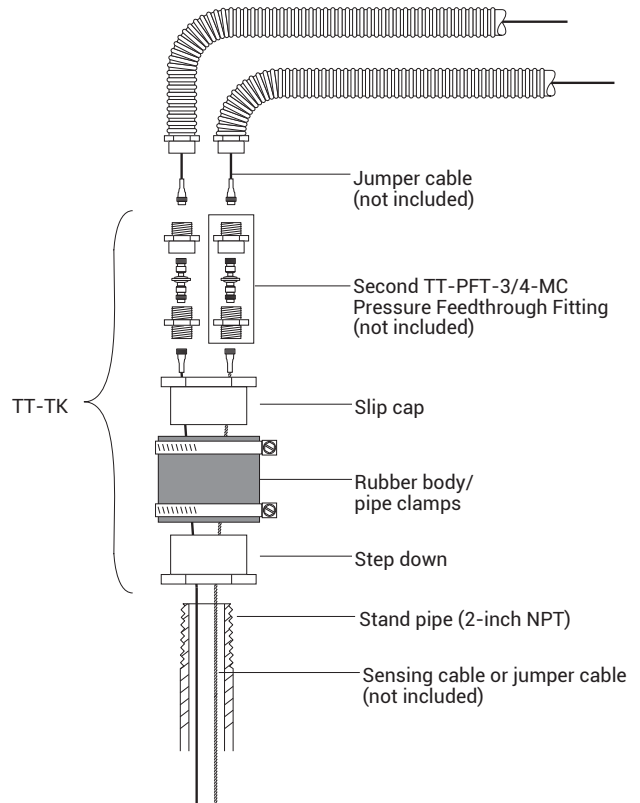
Be sure there are no flammable materials or vapors in the area before using these tools. Follow all site safety guidelines when working in hazardous areas.

- Overheating heat-shrinkable tubing or solder sleeves will produce fumes that may cause irritation. Use adequate ventilation and avoid charring or burning. Consult MSDS RAY/3122 and RAY/5104 for further information.

Figure 1. Installation of two sensing cables using a Modular Branching Connector (for use with locating systems). If only one sensing cable is installed, the MBC is not required.

Jumper cable (not included)

TT-PFT-3/4-MC Pressure Feedthrough Fitting

TT-TK

Plug

Slip cap

Rubber body/ pipe clamps

Step down

TT-MBC-MC Modular Branching Connector (not included)

Stand pipe (2-inch NPT)

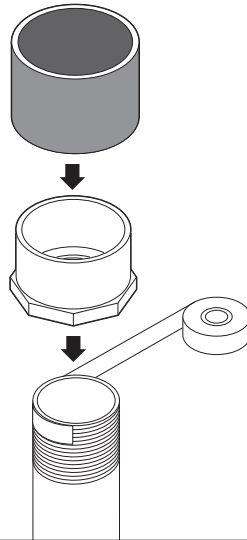Sensing cable or jumper cable (not included)

Figure 2. Installation of two sensing cables using an additional Pressure Feedthrough Fitting (for use with single or multiple channel alarm-only systems).

Jumper cable (not included)

Second TT-PFT-3/4-MC Pressure Feedthrough Fitting (not included)

TT-TK

Slip cap

Rubber body/ pipe clamps

Step down

Stand pipe (2-inch NPT)

Sensing cable or jumper cable (not included)

1

- Apply Teflon tape to the outer threads on the standpipe.
- Screw the step-down onto the standpipe.
- Using a strap wrench or a C wrench, tighten to one-half turn past hand tight.
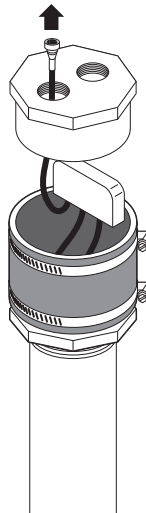- Slide rubber body onto step down

2

- Assemble the TraceTek jumper cable, sensing cable, and end termination in accordance with the instructions supplied with the sensing cable.
- Install sensing cable assemblies into the tank interstitial space.
- Attach sensing cables to Modular Branching Connector TT-MBC-MC, if used, at this point. Remember to install the heat-shrinkable tubing over all mated metal connectors.
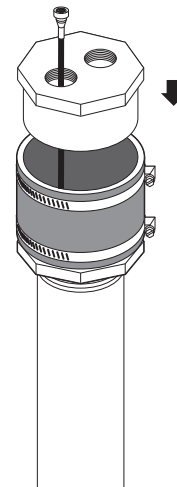
3

- Place clamps loosely over rubber body.
- Draw the pin type connector of the jumper cable, sensing cable or branch connector up through the underside of the slip cap.
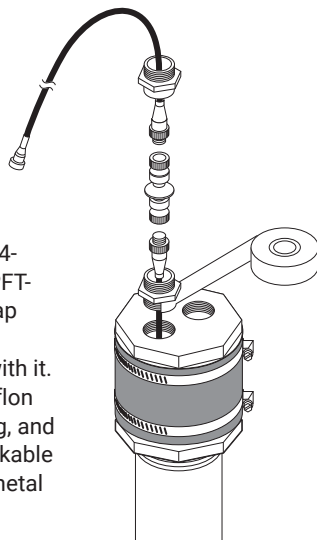- Gently place the MBC and any extra jumper cable inside the riser and TT-TK rubber body.

4

- Slide the slip cap into the rubber body.
- Position the two pipe clamps 1/4-inch from the top and bottom of the rubber body and tighten with a screwdriver.
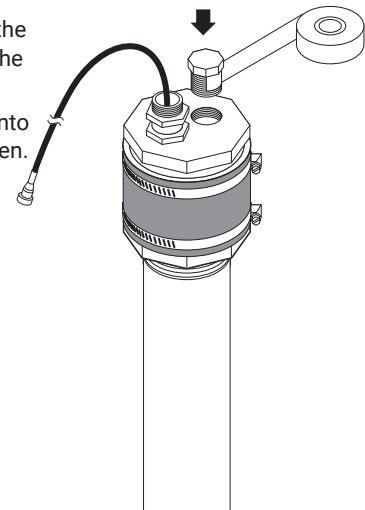
5

- Connect to the jumper cable via the TT-PFT-3/4-MC and install the TT-PFT-3/4-MC onto the slip cap in accordance with the instructions supplied with it. Remember to apply Teflon tape to the screw fitting, and to install the heat-shrinkable tubing over all mated metal connectors.

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- Apply Teflon tape to the threaded surface of the 3/4-inch plug.
- Screw the PVC plug into the slip cap and tighten.

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