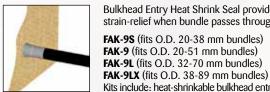
# TubeTrace® Heated Tubing Bundle Connection Kits For Zone Rated Areas



# **Enclosure/Shelter Entry Kits**



Bulkhead Entry Heat Shrink Seal provides an effective transition and strain-relief when bundle passes through a wall 25 mm thick or less.

**FAK-9S** (fits O.D. 20-38 mm bundles) FAK-9 (fits O.D. 20-51 mm bundles) FAK-9L (fits O.D. 32-70 mm bundles)

Kits include: heat-shrinkable bulkhead entry, sealant and "O"ring gasket

FAK-1 Kit for bulkhead entry of TubeTrace bundles. The kit is designed to make a waterproof seal around the bundle.

**FAK-1** (fits O.D. 29-64 mm bundles)

Kits include: UV resistant ABS shell, glass fiber insulation, aluminum heat barrier, SS fasteners and RTV sealant. Tube fittings not



Terminator ZP/FAK-1 Kit for bulkhead entry of electrically heated TubeTrace bundles. The kit is designed to make a waterproof seal over the end of TubeTrace and terminate Thermon electric heat tracing in an approved junction box. Kit will make one connection. (PETK termination kit for electric heat tracing required, order separately).

**FAK-1** (fits O.D. 29-64 mm bundles)



Terminator ZE-B/FAK-1 Kit for bulkhead entry of electrically heated TubeTrace bundles. The kit is designed to make a waterproof seal over the end of TubeTrace and terminate Thermon electric heat tracing in an approved Terminator ZE-B. Kit will make one connection. (PETK termination kit for electric heat tracing required, order separately).

**FAK-1** (fits O.D. 29-64 mm bundles)

# **Accessories for Electric Heat Trace Termination**



PETK circuit fabrication kit includes a power boot, end cap and

**SCTK** splice connection/termination kit includes a power boot, wirenuts and RTV sealant.

PETK-1 / SCTK-1	BSX, RSX, VSX
PETK-2 / SCTK-2	HTSX
PETK-3 / SCTK-3	FP, HPT

### 90° Elbow Transition Kits



90° Elbow Splice Kits are designed to make a waterproof seal over TubeTrace splices.

**FAK-2** (fits O.D. 29-64 mm bundles) **FAK-2L** (fits O.D. 48-89 mm bundles) **FAK-2LHT**<sup>1</sup> (fits O.D. 48-89 mm bundles)

Kits include: UV resistant ABS shell, glass fiber insulation, aluminum heat barrier, SS fasteners & RTV sealant. Tube fittings not included.

**Terminator ZP/FAK-2 Kits** are designed for power connection, in-line splices or end terminations on TubeTrace with electric heat tracing outside the insulation. Tube fittings not included. (PETK termination kit for electric heat tracing required, order separately).

**ZP/FAK-2** (fits O.D. 29-64 mm bundles) **ZP/FAK-2L** (fits O.D. 48-89 mm bundles) **ZP/FAK-2LHT** 1 (fits O.D. 48-89 mm bundles)

**Terminator ZS/FAK-2 Kits** are designed to fabricate accessible in-line splices or end terminations on TubeTrace with electric heat tracing outside the insulation. Tube fittings not included. (SCTK termination kit for electric heat tracing required, order separately).

**ZS/FAK-2** (fits O.D. 29-64 mm bundles) **ZS/FAK-2L** (fits O.D. 48-89 mm bundles) ZS/FAK-2LHT<sup>1</sup> (fits O.D. 48-89 mm bundles)



### **Field Installed Control Sensor Kits**

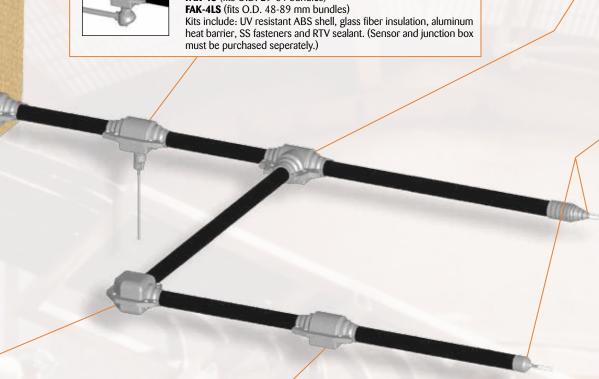
FAK-4T Kits provide a waterproof seal over TubeTrace for field installed

FAK-4T (fits O.D. 29-64 bundles) FAK-4LT (fits O.D. 48-89 mm bundles)

Kits include: UV resistant ABS shell, glass fiber insulation tape, aluminum heat barrier tape, SS fasteners and RTV sealant. (Thermostat must be purchased seperately.)

FAK-4S Kits provide a waterproof seal over TubeTrace for field installed sensor.

**FAK-4S** (fits O.D. 29-64 bundles)

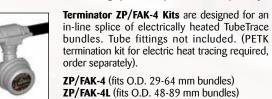


# In-Line Splice Kits



In-line Splice Kits are designed to make a waterproof seal over TubeTrace splices.

FAK-4 (fits O.D. 29-64 mm bundles) FAK-4L (fits O.D. 48-89 mm bundles) **FAK-4LHT** 1 (fits O.D. 48-89 mm bundles) Kits include: UV resistant ABS shell, glass fiber insulation, aluminum heat barrier, SS fasteners and RTV sealant. Tube fittings not included. (If electric heat tracing splice is required, order seperately.)



ZP/FAK-4LHT1 (fits O.D. 48-89 mm bundles)



Terminator ZS/FAK-4 Kits are designed to fabricate outside in-line splices on insulated TubeTrace with electric heat tracing.

In-Line Splice Kits (cont'd.)

**ZS/FAK-4** (fits O.D. 29-64 bundles) ZS/FAK-4L (fits O.D. 48-89 mm bundles) ZS/FAK-4LHT<sup>1</sup> (fits O.D. 48-89 mm bundles) Tube fittings not included. (SCTK termination kit for electric heat tracing required, order separately).

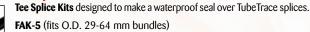


FAK-8 Patch Kits are designed to make a waterproof seal over TubeTrace splices.

FAK-8 (203-203 mm) **FAK-8L** (203-2438 mm)

Kits include: self sealing rubber patch, glass fiber insulation, aluminum heat barrier. Tube fittings not included





FAK-5L (fits O.D. 48-89 mm bundles) FAK-5LHT 1 (fits O.D. 48-89 mm bundles)

Kits include: UV resistant ABS shell, glass fiber insulation, aluminum heat barrier, SS fasteners and RTV sealant. Tube fittings not included. (If electric heat tracing splice is required, order seperately.)



**ZP/FAK-5L** (fits O.D. 48-89 mm bundles) **ZP/FAK-5LHT**<sup>1</sup> (fits O.D. 48-89 mm bundles)

# **Termination and Seal Kits**



FAK-7 Seal Kits are designed to make a waterproof seal over the end of TubeTrace.

FAK-7 is rated -40°C to 204°C. Includes: self vulcanizing tape and RTV sealant. Contain materials for six (6) terminations. FAK-7-HT/HTX is rated -40°C to 593°C. Includes: heat shrink, HT disk

and sealant. Contains material for one (1)termination.



FAK-10 Kits are designed to make a waterproof seal over the end of TubeTrace tubing bundles. Kits include heat shrink seal.

FAK-10A (fits up to 49 mm O.D. bundles) Sleeve FAK-10B (fits up to 49 mm O.D. bundles) 2- Hole

FAK-10C (fits up to 60 mm O.D. bundles) 3- Hole FAK-10AUT (fits up to 89 O.D. bundles) Contact Factory

### **Electronic Controllers**

TraceNet is a control and monitoring system with touch screen Windows CE operating system. The unit provides control and monitoring capabilities via digital information display for up to 180 heat tracing circuits with input from up to 6 RTDs each. Product is rated for exposure temperatures of -40°C to 140°C.



**Terminator ECM** is an adjustable electronic controller that permits two RTD sensors, one for use as a limiter.

The ECM requires  $100\Omega$  RTD (PT100/3 wire) Sensor(s) and can be mounted to TubeTrace using Thermon FAK 1, 2, 4 or 5 kits. Tube fittings not included. (PETK termination kit for electric heat tracing required, order separately).

# **Mechanical Controllers**



The Terminator ZT is designed for use as adjustable control thermostats for freeze protection and temperature maintenance applications requiring pipewall or tankwall sensing. Each thermostat is available in four temperature control and bulb exposure temperature ranges. The Terminator ZT has a flexible capillary and can be mounted to TubeTrace using Thermon FAK 1, 2, 4 or 5 kits. Tube fittings not included. (PETK termination kit for electric heat tracing required, order separately).

