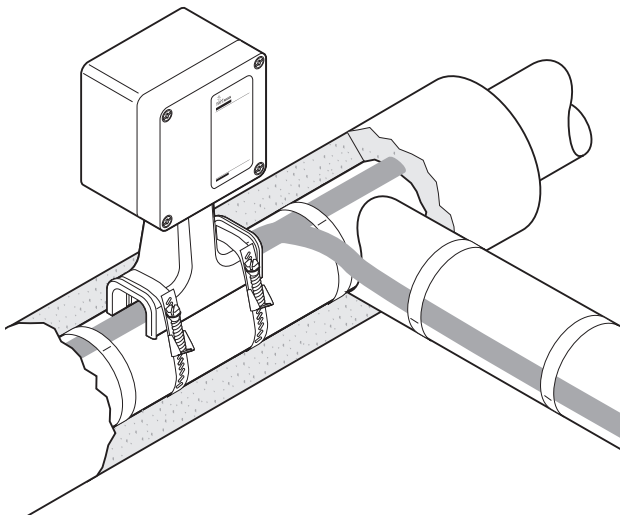


## SPLICE OR TEE CONNECTION KIT



The nVent RAYCHEM T-100 is an above-insulation splice or tee kit, designed for use with up to three nVent RAYCHEM BTV, QTVR, XTV, KTV or VPL industrial parallel heating cables. It is approved for use in hazardous locations.

The rugged stand protects the heating cable and allows for up to 100 mm (4") of thermal insulation.

The core sealing boot does not require a heat gun or torch for the installation (no hot work permit necessary).

The non-curing sealant (silicone free) in the boot allows easy installation and facilitates maintenance.

The T-100 significantly reduces installation and maintenance time and effort.

### DESCRIPTION

This kit is an above-insulation splice/tee, appropriate for use worldwide with no requirements for local customization.

### KIT CONTENTS



- 1 splice/tee enclosure and lid
- 1 stand assembly
- 3 core sealers
- 3 green/yellow earthing sleeve
- 3 compression crimps
- 3 crimping insulating tubes
- 1 polywater sachet
- 1 spanner
- 1 strain relief assembly
- 2 grommet plugs
- 1 installation instruction

### APPROVALS

#### Hazardous locations



Class I, Div. 2, Groups A, B, C, D  
Class II, Div. 1 & 2, Groups E, F, G  
Class III

PTB 09 ATEX 1043 U  
 II 2 G Ex eb IIC T\* Gb  
 III 2 D Ex tb IIIC T\* Db  
IECEx PTB 09.0023U  
Ex eb IIC T\* Gb  
Ex tb IIIC T\* Db



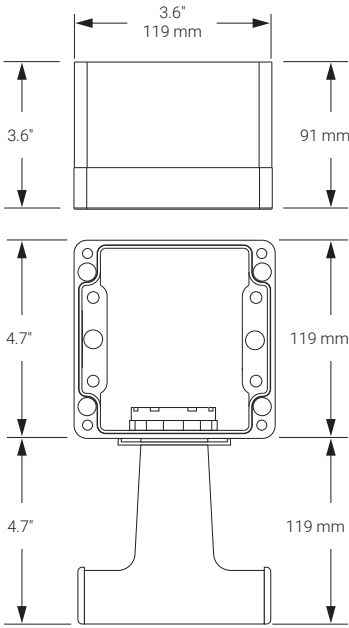
Class I, Zone 1, AEx e IIC

DNV approval  
DNV-GL TAE00000TV and DNV-GL TAE00000TU



RU C-BE.IM43.B.01712  
Ex e IIC Gb U Ex tb IIIC Db U  
Ta -55°C...+56°C IP66/67

DIMENSIONS (IN MM)



PRODUCT SPECIFICATIONS

Heating cable capability	BTV-CR, BTV-CT, QTVR-CT, XTV-CT, KTV-CT, VPL
Ingress protection	NEMA Type 4X IP66 and IP67
Min. installation temperature	-50°C
Max. pipe temperature	Refer to heating cable specification
Ambient temperature range:	-50°C to +56°C
Max. operating voltage	277 Vac for FM, CSA, 480 Vac for PTB
Max. continuous operating current	50 A heating cable circuit for FM, CSA 40 A heating cable circuit for PTB

MATERIALS OF CONSTRUCTION

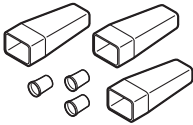
Enclosure, lid, and stand	Electrostatic charge-resistant glass-filled engineered polymer, black
Lid screws	Stainless steel
Lid gasket	Silicone rubber

ORDERING DETAILS

Part description	T-100
PN (Weight)	447379-000 (2.5 lb /1.2 kg)

ACCESSORIES

Crimp tool	T-100-CT (not included in the kit, equivalent to Panduit: CT-1570)
PN	954799-000
Spare crimps and insulating tubes	T-100-CRIMP-KIT (spare part only)



PN	577853-000
Small pipe adaptor	JBM-SPA, required for pipes ≤ 1" (DN 25), D55673-000 (bag of 5 adaptors)

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