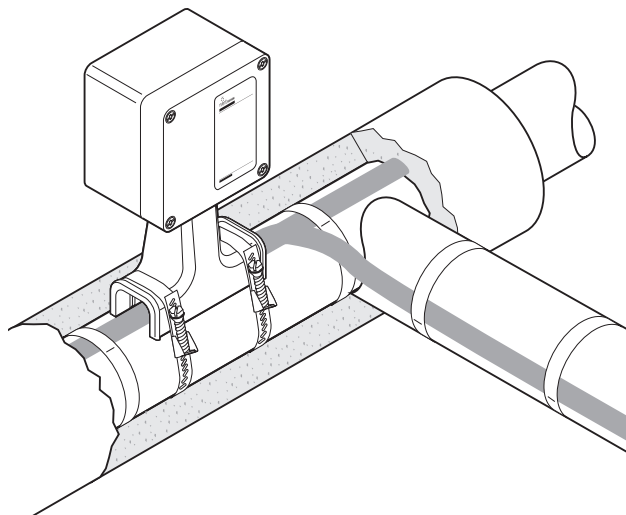


T-100

CONNECT AND PROTECT

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, HTV 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

PTB 20 ATEX 1008 U

Ex II 2 G Ex eb mb IIC Gb

Ex II 2 D Ex tb mb IIIC Db

IECEX PTB 20.0014U

Ex eb mb IIC Gb

Ex tb mb IIIC Db

Ex (3) TC RU C-BE.MЮ62.B.00054/18
Ex e IIC Gb U Ex tb IIIC Db U
Ta -55°C...+56°C IP66
OOO "TexИмпорт"

DNV-GL Approval for use on ships and mobile offshore units.

When used with BTV, QTVR Heating systems: DNV certificate number TAE00000TU

When used with XTV, KTV Heating systems: DNV certificate number TAE00000TV

IEC (1)(2)(4) BTV - IEx 09.0004X Ex e IIC T* Gb
QTVR - IEx 09.0006X
XTV - IEx 09.0005X
VPL - IEx 09.0007X

FM (1)(2) Class I, Div. 2, Groups A,B,C,D
Class II, Div. 1 and 2, Groups E,F,G
Class III

FM (1)(2) Zone 1 AEx eb IIC T*Gb
Zone 21 AEx tb IIIC T*°C Db

SP (2) Type 4X Temp Code T*

SP (2) Ex eb IIC T* Gb
Ex tb IIC T*°C Db

FM Class I, Div. 2, (Zone 2⁽⁵⁾)
Groups A, B, C, D
Class I Zone 2 GROUP IIC
Zone 2
(HTV heating cables only)

CCC (3) Ex e IIC Gb
Ex tD A21 IP66

* For systems Temperature Code, see heating cable or design documentation.

(1) Except VPL

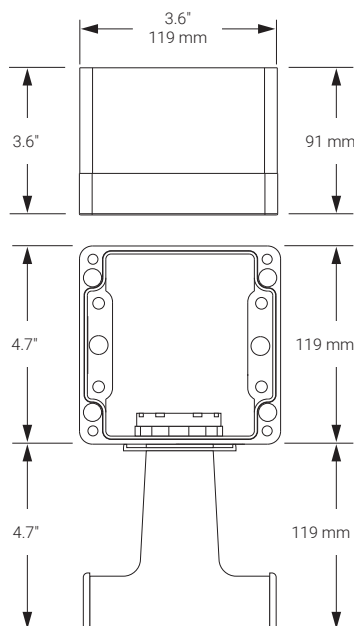
(2) Except HTV heating cable

(3) Approval pending for HTV heating cable

(4) Except KTV

(5) Per C22.1 Table 18

DIMENSIONS (IN MM)



PRODUCT SPECIFICATIONS

Heating cable capability	BTV-CR, BTV-CT, QTVR-CT, XTV-CT, KTV-CT, HTV-CT, VPL
Ingress protection	NEMA Type 4X IP66
Min. installation temperature	-55°C
Max. pipe temperature	Refer to heating cable specification
Ambient temperature range:	-55°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 NEC/CEC as approved by CSA and FM 40 A heating cable circuit for IEC as approved by PTB

MATERIALS OF CONSTRUCTION

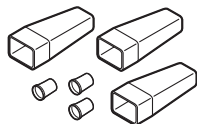
Enclosure, lid, and stand	Electrostatic charge-resistant glass-filled engineered polymer, black
Lid screws	Stainless steel
Lid gasket	Silicone rubber

ORDERING DETAILS

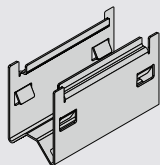
Part description	T-100
PN (Weight)	447379-000 (2.5 lb /1.2 kg)

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 $\leq 1"$ (DN 25), D55673-000 (bag of 5 adaptors)
T-100 stand off	JBM-100 STANDOFF P000003624 For insulation $120 \geq 180$ mm



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