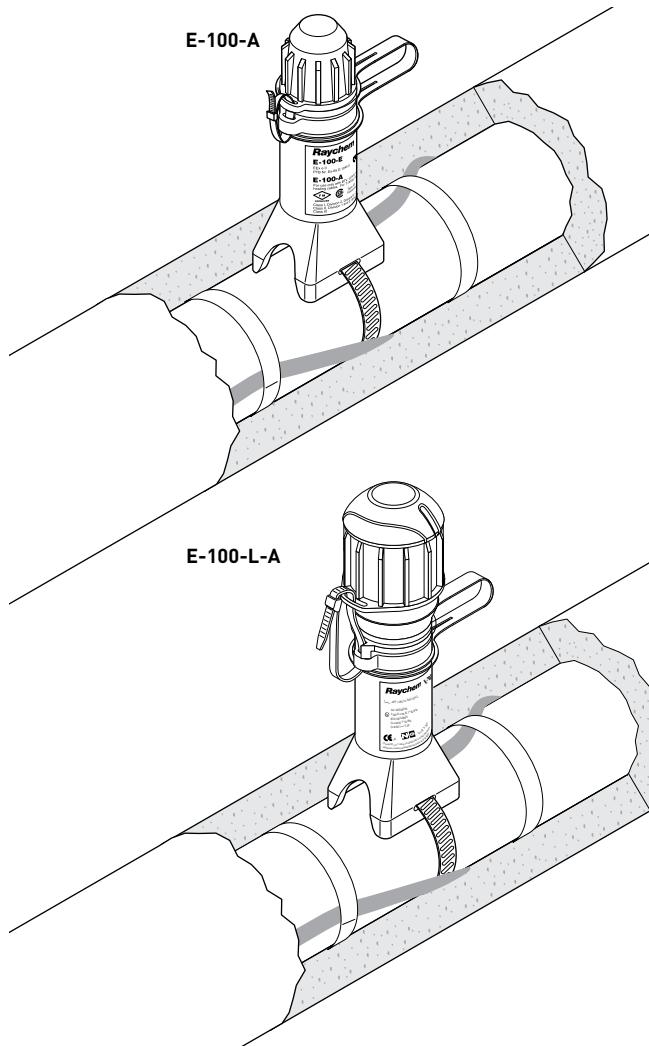


Raychem E-100-A & E-100-L-A

END SEAL AND LIGHTED END SEAL KITS



PRODUCT OVERVIEW

The E-100-A and E-100-L-A serve as above-insulation end seal kits for Raychem brand BTV, QTVR, XTV, KTV, or VPL heating cables. They are approved by FM and CSA for use in hazardous locations.

Both the E-100-A and the E-100-L-A are mounted on the pipe and project through the thermal insulation and cladding for ease of maintenance. The E-100-L-A end seal with signal light uses an array of bright LEDs for exceptional visibility and long product life.

These rugged end seals are made from high-performance engineering polymer and resist impact, high temperature, and chemical and UV exposure. The stand allows for up to four inches (100 mm) of thermal insulation. The encapsulated light and boot reliably prevent moisture and dust ingress. The industrial-grade electronics used in the E-100-L-A are encapsulated.

Both the E-100-A and E-100-L-A are re-enterable, allowing easy access for testing. Voltage and continuity checks can be done by simply unscrewing the E-100-A cap and removing the reusable sealing boot. The E-100-L-A makes maintenance even easier by allowing for visual inspection of heating circuit continuity. The E-100-L-A can be retrofitted into previously installed E-100-A end seals. The light module is replaceable.

The kits contain all the necessary materials for a complete installation except for one pipe strap, which must be ordered separately.

E-100-A

E-100-L-A

DESCRIPTION

Above-insulation end seal,
cold-applied

Above-insulation end seal with red
signal light, cold-applied
*Not for use with 480 V VPL

KIT CONTENTS

Note: Order appropriate pipe strap
separately (one per kit)

1 end seal

1 end seal with red indicator light

E-100-A**E-100-L-A****APPROVALS****Hazardous Locations**Class I, Div. 2, Groups A, B, C, D
Class II, Div. 1 and 2, Groups E, F, G

Class III

CLI, ZN1, AEx e II T^[2]Ex e II T^[2]
IECEx PTB 09.0038U
Ex e II Ex tD A21 IP66

09-IEx-0004X

09-IEx-0005X

09-IEx-0006X

09-IEx-0007X

Ex e IIC T* Gb

Hazardous LocationsClass I, Div. 2, Groups A, B, C, D
Class II, Div. 1 and 2, Groups E, F, G

Class III

CLI, ZN1, AEx e mb IIC T^[2] Gb

ZN21 AEx tb IIIC T*



Ex e mb IIC T* Gb

Ex tb IIIC T***°C Db

IECEx SIR 14.0007X

Ex e mb IIC T* Gb IP66

Ex tb IIIC T***°C Db

^[1] Except VPL^[2] For T-rating, see heating cable or design documentation

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

E-100-A**E-100-L-A****PRODUCT SPECIFICATIONS**

Heating cable capability BTV-CR, BTV-CT, QTVR-CT, XTV-CT, KTV-CT and VPL-CT

Ingress protection Type 4X (IP66) Type 4X (IP66)

Minimum installation temperature -40°F (-40°C) -40°F (-40°C)

Minimum ambient temperature -75°F (-60°C) -40°F (-40°C)

Maximum ambient temperature 132°F (56°C) 104°F (40°C)

Maximum pipe temperature 500°F (260°C) 500°F (260°C)

Maximum operating voltage 480 Vac 277 Vac

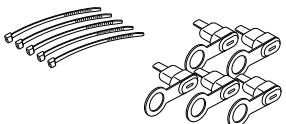
Overall height 7 in (175 mm) 8 in (200 mm)

Outer diameter at insulation 2 in (50 mm) 3 in (75 mm)

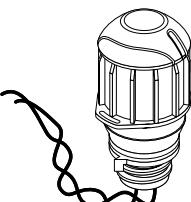
Materials High-performance glass-filled
engineered polymerHigh-performance glass-filled
engineered polymer**Light source**Super-bright light-emitting diodes
(LEDs), red

Light source power supply Not applicable Linear (nonswitching)

Power consumption N/A < 2 W

	E-100-A	E-100-L-A
ORDERING DETAILS		
End seal		
Catalog number	E-100-A (100–480 Vac)	E-100-L-A (100–277 Vac)
Part number	046567-000	P000001582
Weight	0.6 lb (272 g)	0.65 lb (295 g)
Spare boot pack for E-100		
		
Catalog number	E-100-BOOT-5-PACK	
Part number	281053-000	
Pack weight	0.25 lb (140 g)	
Pack contents	Five sealant-filled boots and five cable ties	

Replacement indicator light for E-100-LR-A

	Catalog number	E-100-LR-A (100–277 Vac)
	Part number	P000001584
	Weight	0.33 lb (150 g)



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