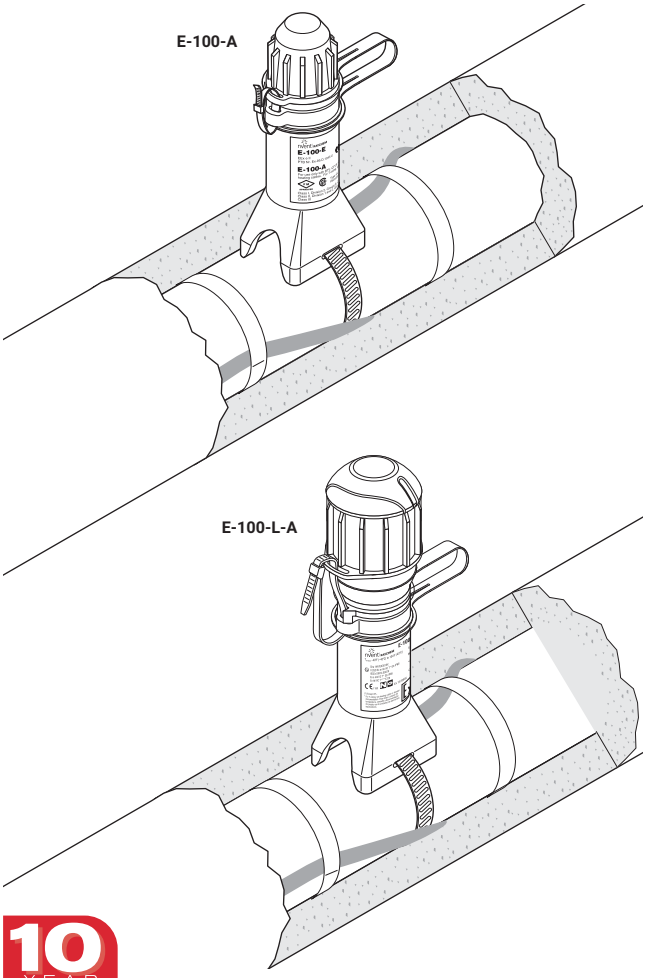
E-100-A & E-100-L-A

Raychem

End seal and lighted end seal kits

PRODUCT OVERVIEW



10 YEAR Product warranty

The Raychem E-100-A and E-100-L-A serve as above-insulation end seal kits for Raychem brand BTV, QTVR, XTVR, HTV or VPL heating cables. They are approved 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 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.

DESCRIPTION

	E-100-A	E-100-L-A
	Above-insulation end seal, cold-applied	Above-insulation end seal with red indicator light, cold-applied *Not for use with 480 V VPL

KIT CONTENTS

	1 end seal	1 end seal with red indicator light

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

APPROVALS

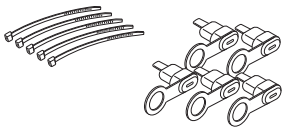
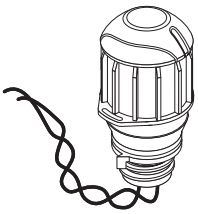
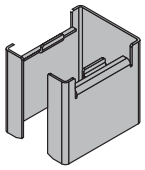
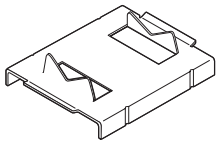
Hazardous Locations

	E-100-A	E-100-L-A
	FM APPROVED (1) SP C US Class I, Div. 2, Groups A, B, C, D Class II, Div. 2, Groups F, G Class III	FM APPROVED (1) SP C US Class I, Div. 2, Groups A, B, C, D Class II, Div. 2, Groups F, G Class III
	SP C US Ex eb IIC T* Gb Class I Zone 1 AEx eb IIC T* Gb	SP C US Ex eb mb IIC T* Gb Class I Zone 1 AEx eb mb IIC T* Gb
	Segurança IEx OCP 0064 INMETRO Ex eb IIC T* Gb	Segurança IEx OCP 0064 INMETRO Ex eb mb IIC T* Gb Ex tb IIIC T***°C Db IP66
	IECEx IECEx PTB 09.0038U Ex eb IIC Gb Ex tb IIC Db E-100-A is IECEx certified for use with: BTV-CR/ BTV-CT: IECEx BAS 20.0011X QTVR-CT:IECEx BAS 20.0013X XTV-CT: IECEx BAS 20.0012X VPL-CT: IECEx BAS 20.008X HTV-CT: IECEx PTB 21.0007X	IECEx IECEx SIR 14.0007X Ex eb mb IIC T* Gb Ex tb IIIC T***°C Db IP66 E-100-L-A is IECEx certified for use with: BTV-CR/ BTV-CT: IECEx BAS 20.0011X QTVR-CT:IECEx BAS 20.0013X XTV-CT: IECEx BAS 20.0012X VPL-CT: IECEx BAS 20.008X HTV-CT: IECEx PTB 21.0007X
	FM APPROVED (2) C US Class I Division 2 (Zone 2**), Groups A, B, C, D Class I Zone 2 IIC	FM APPROVED (2) C US Class I Division 2 (Zone 2**), Groups A, B, C, D Class I Zone 2 IIC
	** For system Temperature Code, see heating cable or design documentation. (1) Except HTV (2) For HTV-CT only ** Per CE Code Table 18.	** For system Temperature Code, see heating cable or design documentation. (1) Except HTV (2) For HTV-CT only ** Per CE Code Table 18.

PRODUCT SPECIFICATIONS

	E-100-A	E-100-L-A
Heating cable capability	BTV-CR, BTV-CT, QTVR-CT, XTVR-CT, HTV-CT and VPL-CT	
Ingress protection	NEMA 4X (IP66)	NEMA 4X (IP66)
Minimum installation temperature	–67°F (–55°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) Usable with up to 4 in (100 mm) thermal insulation	3 in (75 mm)
Materials	High-performance glass-filled engineered polymer	High-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

ORDERING DETAILS

	E-100-A	E-100-L-A
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 E-100-LR-A 		
Catalog number	E-100-LR-A (100–277 Vac)	
Part number	P000001584	
Weight	0.33 lb (150 g)	
Junction box standoff For insulation thickness ≥ 120 mm & ≤ 180 m* 		
Catalog number	JBS-100-STANDOFF	
Part Number	P000003408	
Weight	0.297 lb / 135 g	
* Consider extra pipe strap length 6-9" (150-225 mm) for attachment		
Small pipe adapter Required for stand on pipes ≤ 1" 		
Catalog number	JBS-SPA	
Part Number	E90515-000	
Weight	0.408 lb / 185 g (Bag of 5 adaptors)	

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Raychem Tracer Pyrotenax Nuheat

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RAYCHEM-DS-H56829-E100AE100LA-EN-2504
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