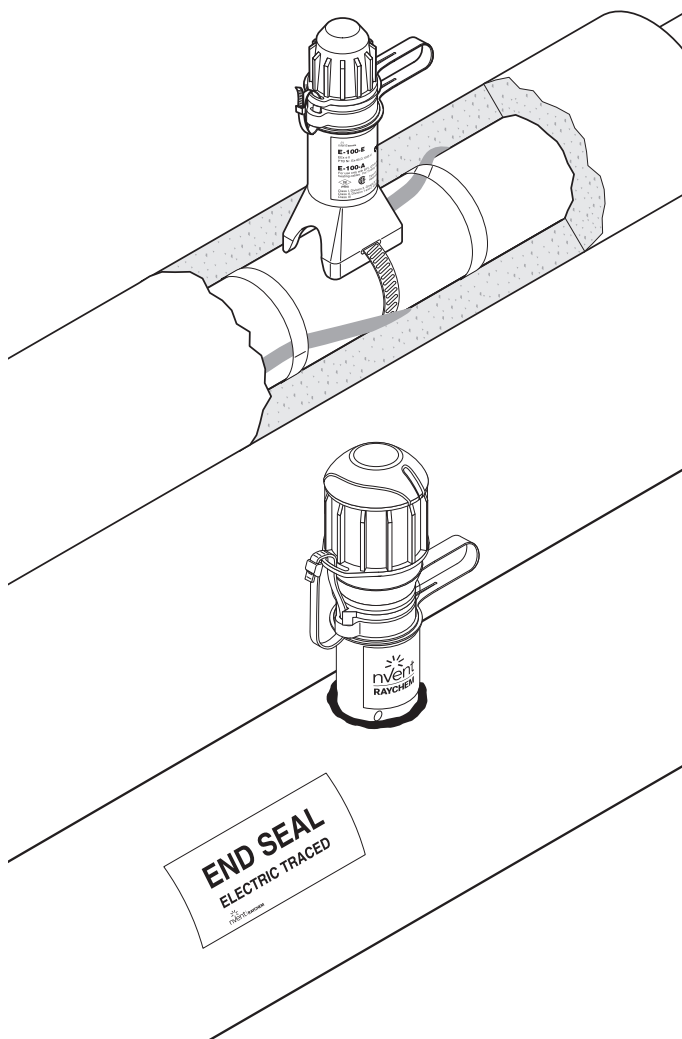


# E-100-E and E-100-L-E

## CONNECT AND PROTECT

### End seal and lighted end seal

#### PRODUCT OVERVIEW



Both the nVent RAYCHEM E-100-E and E-100-L-E are accessible, re-entrable end seals, the E-100-E without a light, the E-100-L-E with a signal light. Both end seals can be used with all nVent RAYCHEM BTV, QTVR, XTVR, HTV or VPL industrial parallel heating cables. They are approved for use in hazardous areas. They are extremely rugged - made of a strong, moulded part with 4 mm wall thickness.

The heating cable is firmly kept in place by the integral strain relief.

Sealing is done twice. First a dry compartment for the heating cable is created, then a boot filled with a non-curing sealant (silicone free) is placed over the end of the heating cable inside the compartment.

The end seals are mounted on the pipe and project through the cladding.

The light module of the E-100-L-E uses an array of super-bright green LEDs for long life and excellent visibility from almost any angle. The robust industrial-grade electronics are encapsulated to reliably seal out moisture.

Extra sealant filled boots for the E-100-E end seal can be ordered separately.

#### Kit contents

	E-100-E	E-100-L-E
	1 end seal 1 cable tie 1 polywater sachet 1 installation instruction	1 end seal with indicator light 1 cable tie 1 polywater sachet 2 insulated parallel crimps 1 core sealer 1 installation instruction

## PRODUCT SPECIFICATIONS

### Technical details

	E-100-E	E-100-L-E
Max. pipe temperature	Refer to heating cable specification (absolute maximum is 260°C)	
Max. operating voltage	277 V* (480 V VPL4 only)	277 V
	*Extra conditions for safe use apply for voltages above 277 V. Please refer to the certificate or installation instructions for full details.	
Ambient temperature range	-55°C to +56°C*	-40°C to +40°C
	*Extra conditions for safe use apply for ambient temperatures above +40°C. Please refer to the certificate or installation instructions for full details.	
Min. installation temperature	-55°C	-40°C
Overall height	171 mm	197 mm
Outer diameter	46 mm Usable with up to 100 mm thermal insulation	66 mm
Ingress protection	IP66, Type 4X	IP66, Type 4X
Impact resistance	EN 60079-30-1, ≥ 7 joules	EN 60079-30-1, ≥ 7 joules
UV stability	No degradation after > 1000 h	No degradation after > 1000 h
Solvent resistance	Excellent	Excellent
Strain relief	> 250 N	> 250 N

### Light source

	E-100-E	E-100-L-E
Type		Green LEDs
Voltage rating range		110-277 Vac, 50/60 Hz
Power consumption		< 2 W
Electromagnetic immunity/emissions		Complies with IEC61000-6 and IEC61000-4

### Installation data

Tools required	Cable knife, wire cutters, screwdriver	Cable knife, wire cutters, screwdriver, crimp tool (Panduit-CT-100), long nose pliers
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## APPROVALS

For use in ordinary and hazardous area Zone 1 and Zone 2 (Gas), Zone 21 and Zone 22 (Dust)  
Class I Div 2, Class II Div 1 and 2, and Class III

### Temperature classification

Temperature classification is defined by the complete system.

### Product certification

Present logos of available certificates



For certifications in other regions (FM, CSA, IEx etc.), please refer to the installation manual.

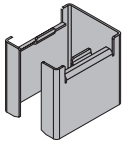
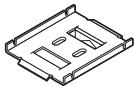
More details about product certification, approvals and conditions of safe use are available in the installation manual at [www.nVent.com/RAYCHEM](http://www.nVent.com/RAYCHEM).

## ORDERING INFORMATION


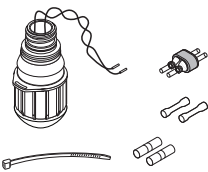
### End seal

Part description	E-100-E	E-100-L-E
PN (Weight)	101255-000 (0.22 kg) Requires one pipe strap (not supplied)	P000001583 (0.63 kg) Requires one pipe strap (not supplied)

## Accessories

	For insulation thickness >100 mm & ≤150 mm *	
	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	
	Required for stand on pipes ≤1"	
	Catalog number	JBS-SPA
	Part number	E90515-000
	Weight	0.408 lb / 185 g (Bag of 5 adaptors)

## Spare part

	Part description	E-100-BOOT-5-PACK
	PN (Weight)	281053-000 (140 g)
	Pack size	5 sealant filled boots and 5 cable ties
	Part description	E-100-LR-E
	PN (Weight)	P000001586 (450 g)

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