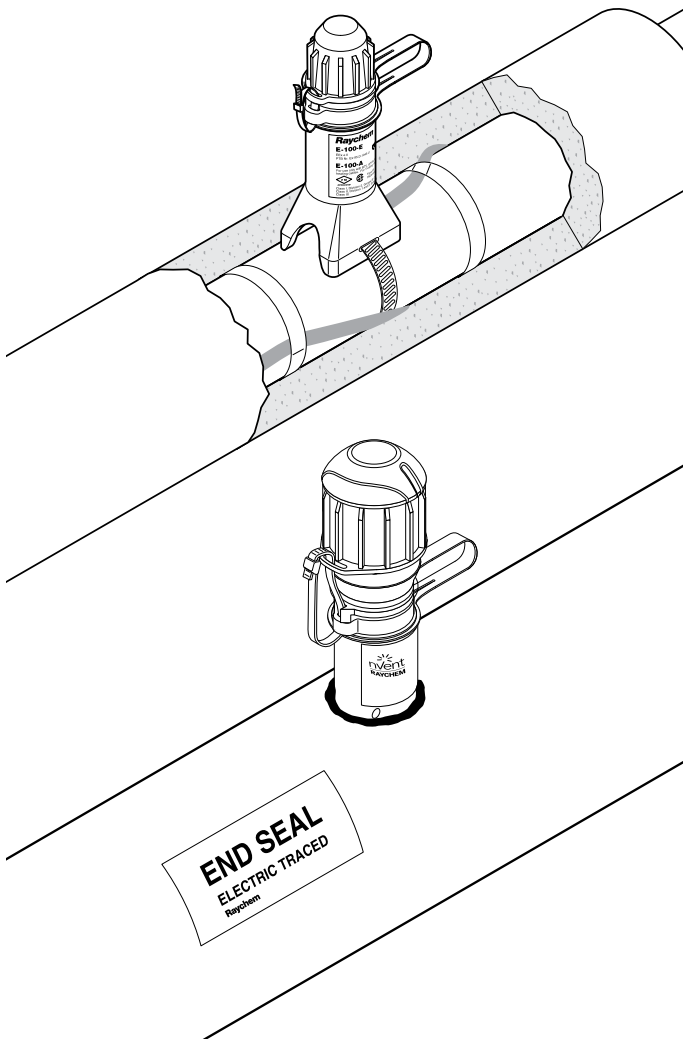


# E-100-E AND E-100-L-E



**RAYCHEM**

## END SEAL AND LIGHTED END SEAL



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, XTV, KTV 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 end seal with indicator light
1 cable tie	1 cable tie
1 polywater sachet	1 polywater sachet
1 installation instruction	2 insulated parallel crimps
	1 core sealer
	1 installation instruction

### APPROVAL DATA

Area of use Hazardous or ordinary (indoors and outdoors)

## APPROVALS

E-100-E	E-100-L-E
PTB 09 ATEX 1060 U	Sira 14ATEX3015X
Ⓜ II 2G Ex e II	Ⓜ II 2GD
II 2D Ex tD A21 IP66	Ex e mb IIC T* Gb
IECEX PTB 09.0038U	Ex tb IIIC T***°C Db
Ex e II	Ta = -40°C to +40°C
Ex tD A21 IP66	IECEX SIR 14.0007X
 Ex e II T*	Ex e mb IIC T* Gb
	Ex tb IIIC T***°C Db
	Ta = -40°C to +40°C
	 CLI, ZN1, AEx e mb IIC T* Gb (1)
	ZN21 AEx tb IIIC T*
	 Ex e mb IIC T* Gb
	 Ex tb IIIC T***°C Db

DNV Certificate No. E-11564 and E-11565

\*For T-rating, see heating cable or design documentation

(1) Except VPL

 	TC RU C-BE.MIO62.B.00054/18	 	TC RU C-BE.MIO62.B.00054/18
	Ex e IIC Gb U Ex tb IIIC Db U		Ex e IIC Gb U Ex tb IIIC Db U
	Ex e mb IIC Gb U		Ex e mb IIC Gb U
	Ex tb mb IIIC Db U		Ex tb mb IIIC Db U
	Ta -55°C...+56°C IP66		Ta -55°C...+56°C IP66
	000 "ТехИмпорт"		000 "ТехИмпорт"

## PRODUCT SPECIFICATIONS

	E-100-E	E-100-L-E
Max. pipe temperature	Refer to heating cable specification (absolute maximum is 260°C)	
Max. operating voltage	480 V*	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	-50°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 summary the certificate or installation instructions for full details.	
Min. installation temperature	-50°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

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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## ORDERING DETAILS

### End seal

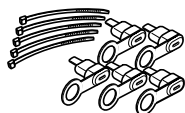
Part description	E-100-E	E-100-L-E
PN (Weight)	101255-000 (0.22 kg) Requires one pipe strap (not supplied)	P000001583 (0.63 kg) Requires one pipe strap (not supplied) PTB, DNV and EAC approved product

## ACCESSORIES

Small pipe adaptor JBS- SPA, required for pipes  $\leq$  1" (DN 25), E 90515-000 (bag of 5 adaptors)

## SPARE PART

Boot pack for E-100-E



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

Replacement indicator light for E-100-L

Part description:	E-100-LR-E
PN	P000001586

### North America

Tel +1.800.545.6258  
Fax +1.800.527.5703  
thermal.info@nVent.com

### Europe, Middle East, Africa

Tel +32.16.213.502  
Fax +32.16.213.604  
thermal.info@nVent.com

### Asia Pacific

Tel +86.21.2412.1688  
Fax +86.21.5426.3167  
cn.thermal.info@nVent.com

### Latin America

Tel +1.713.868.4800  
Fax +1.713.868.2333  
thermal.info@nVent.com



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