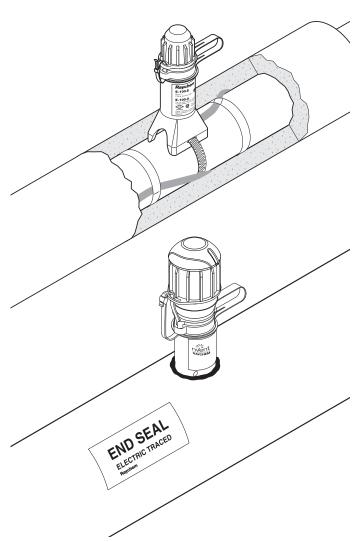
E-100-E AND E-100-L-E



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
PPROVAL DATA		

Area of use

Hazardous or ordinary (indoors and outdoors)

E-100-E	E-100-L-E
PTB 09 ATEX 1060 U □ II 2G Ex e II II 2D Ex tD A21 IP66 IECEX PTB 09.0038U Ex e II Ex tD A21 IP66 □ Ex tD A21 IP66 □ Ex e II T*	Sira 14ATEX3015X ☑ II 2GD Ex e mb IIC T* Gb Ex tb IIIC T***°C Db Ta = -40°C to +40°C IECEX SIR 14.0007X 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 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



RU C-BE. MM43.B. 01712 ExelIC GbU ExtbIIIC DbU ExembIIC GbU ExtbmbIIIC DbU Ta-55°C...+56°C IP66



RU C-BE. MM43.B.01712 Ex e IIC Gb U Ex tb IIIC Db U Ex e mb IIC Gb U Ex tb mb IIIC Db U Ta -55°C...+40°C IP66

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 า	
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	
IGHT SOURCE			
Туре		Green LEDs	
Voltage rating range		110-277 Vac, 50/60 Hz	
Power consumption		< 2 W	
Electromagnetic immunity/emissions		Complies with IEC61000-6 and IEC61000-	

INSTALLATION DATA

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

ORDERING DETAILS

End seal

Part description E-100-E E-100-L-

PN (Weight) 101255-000 (0.22 kg) P000001583 (0.63 kg)

Requires one pipe strap (not supplied)

Requires one pipe strap (not supplied)

PTB, DNV and EAC approved product

ACCESSORIES

Small pipe adaptor JBS- SPA, required for pipes ≤ 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

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