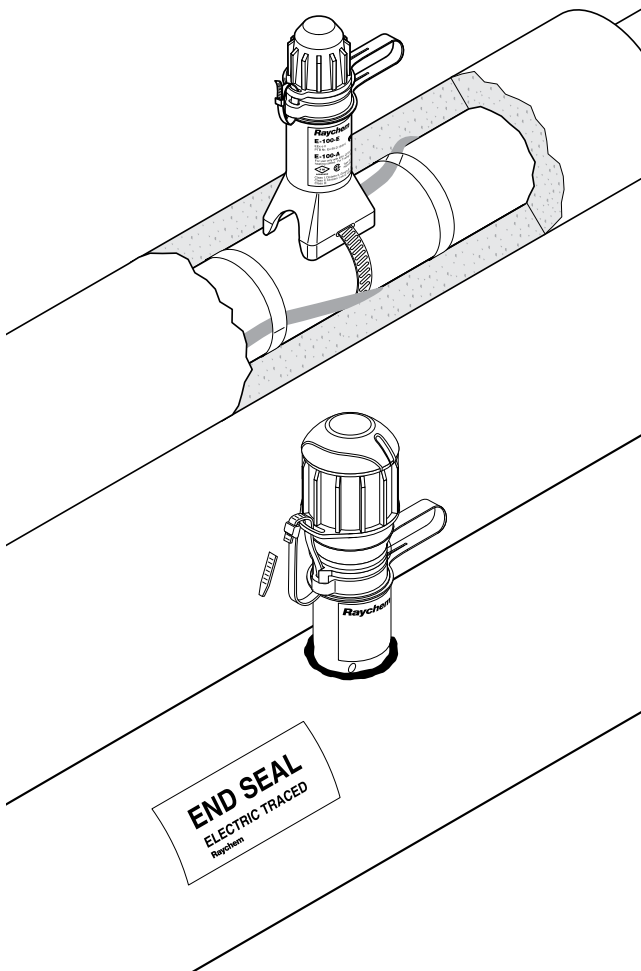


Raychem E-100-E AND E-100-L-E

END SEAL AND LIGHTED END SEAL



Both the E-100-E and E-100-L-E are accessible, re-entrable end seals, the E-100 without a light, the E-100-L with a signal light. Both end seals can be used with all 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

- 1 end seal
- 1 cable tie
- 1 polywater sachet
- 1 installation instruction




E-100-L-E

- 1 end seal with indicator light
- 1 cable tie
- 1 polywater sachet
- 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**

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 e II T*

E-100-L-E

Sira 14ATEX3015X
 II 2GD Ex e mb IIC T* Gb IP66
 IECEx SIR 14.0007X
 Ex e mb IIC T* GB IP66
 Ex tb IIIC T***°C Db
 09-IEx-0004X
 09-IEX-0005X
 09-IEX-0006X
 09-IEX-0007X
 Ex em IIC T*Gb (2)
 CLI, ZN1, AEx e mb IIC T* Gb (1)
 ZN21 AEx tb IIIC T*
 Ex e mb IIC T* Gb
 Ex tb IIC T***°C Db

DNV Certificate No. E-11564 and E-11565 DNV Certificate No. E-11564 and E-11565

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

(1) Except VPL (2) Except KTV

ERC (Russia, Kazakhstan, Belarus)

For other countries contact your local Pentair representative.

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 on page 179, the certificate or installation instructions for full details. | |
| Min. installation temperature | -50°C | -40°C |
| Overall height | 171 mm approx. | 197 mm approx. |
| Outer diameter | 46 mm approx. Usable with up to 100 mm thermal insulation | 66 mm approx. |
| Ingress protection | IP66 | IP66 |
| 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 |
|----------------|--|---|

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

ORDERING DETAILS

End seal

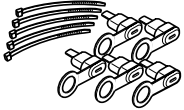
| Part description | E-100-E | E-100-L-E |
|------------------|--|--|
| PN (Weight) | 101255-000 (0.22 kg) | P000001583 (0.63 kg) |
| | Requires one pipe strap (not supplied) | Requires one pipe strap (not supplied) |

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 |