CERTIFICATE OF CONFORMITY

FM Approvals

1. **HAZARDOUS (CLASSIFIED) LOCATION ELECTRICAL EQUIPMENT PER US REQUIREMENTS**
2. **Certificate No:** **FM20US0102X**
3. **Equipment:**
   (Type Reference and Name) **E-100-A**
   End Seal Kit
4. **Name of Listing Company:** **Chemelex LLC**
5. **Address of Listing Company:** **899 Broadway St, Redwood City, California 94063-3104, United States of America**
6. The examination and test results are recorded in confidential report number:

   3B0A6.AX dated 11th July 1996

7. FM Approvals LLC, certifies that the equipment described has been found to comply with the following Approval standards and other documents:

   FM 3600:2022, FM 3611:2004, FM 3810:2005, NEMA 250:1991, ANSI/IEEE 515:1997

8. If the sign 'X' is placed after the certificate number, it indicates that the equipment is subject to specific conditions of use specified in the schedule to this certificate.
9. This certificate relates to the design, examination and testing of the products specified herein. The FM Approvals surveillance audit program has further determined that the manufacturing processes and quality control procedures in place are satisfactory to manufacture the product as examined, tested and Approved.
10. Equipment Ratings:

    Suitable for Class I, Zone 1, Group II; Nonincendive for use in Class I, Division 2, Groups A, B, C & D; Dust Ignitionproof for use in Class II, Division 1, Groups E, F & G, Class III, Division 1; hazardous (classified) locations, indoors and outdoors (Type 4X)

Certificate issued by:

J.E. Marquedant
VP, Manager - Electrical Systems

4 February 2026
Date

To verify the availability of the Approved product, please refer to www.approvalguide.com

THIS CERTIFICATE MAY ONLY BE REPRODUCED IN ITS ENTIRETY AND WITHOUT CHANGE

FM Approvals LLC. One Technology Way, Norwood, MA 02062 USA
T: +1 (1) 781 762 4300 F: +1 (1) 781 762 9375 E-mail: information@fmapprovals.com www.fmapprovals.com

11. The marking of the equipment shall include:

    E-100-A. End Seal kit

    Class I, Zone 1 AEx e II T* Ta=-60°C≤Ta≤+56°C

    Class I, Division 2, Groups A, B, C and D T* Ta=-60°C≤Ta≤+56°C

    Class II/III, Division 1, Groups E, F and G T* Ta=-60°C≤Ta≤+56°C

    Type 4X

    (*) refer to specific conditions of use

12. **Description of Equipment:**

    General - The E-100-A is a Type 4X-rated end seal kits are designed for use with BTV-CR, BTV-CT, QTVR-CT, XTV-CT, KTV-CT, and VPL-CT industrial parallel heating cables. Once installed, the end seal is easily re-entered for maintenance and the heating cable can be accessed without removing the end seal.

    E-100-A. End Seal

13. **Specific Conditions of Use:**

    1. For use with BTV, QTVR, XTV, KTV and VPL Electrical Heat Tracing Cables.

    2. Not for use in Class I, Zone 1 locations when used with VPL cables.

    3. *Temperature code is based on the rating of the electrical heat tracing cables for which the connection kits are intended to be used.

    4.The End Seal kit must be pipe mounted in a single orientation with the gland entry adjacent to the process pipe as per the manufacturer's installation instructions.

    5. Ambient Temperature Range for E-100-A is -75F (-60) to 132F (56)

14. **Test and Assessment Procedure and Conditions:**

    This Certificate has been issued in accordance with FM Approvals US Certification Requirements.

15. **Schedule Drawings**

    A copy of the technical documentation has been kept by FM Approvals.

16. **Certificate History**

    Details of the supplements to this certificate are described below:

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SCHEDULE

US Certificate of Conformity No: FM20US0102X

Date	Description
11 July 1996	Original Issue.
11 August 2020	Supplement 1: Report Reference: RR223018 daed 11th August 2020. Description of the Change: 1) Generating a certificate for E-100-A 2) Added documentation to 3B0A6.AX and 5D8A4.AX
4 February 2026	Supplement 2: Report Reference: RR249457 dated 4 February 2026. Description of the Change(s): Updated to latest format and company name. FM3600 updated from revision 2011 to 2022 as there were no technical changes between revisions

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