

EXCEL™ XR Metering Pumps ETL Listing

The **EXCEL™ XR Series Metering Pump** is marked and listed with the ETL label thus indicating the design and product construction meets approved standards for equipment used in the services for which it is intended. This document serves to provide clarity when there is confusion as to what it means to be ETL listed versus UL listed.

What's the difference between UL and ETL

Products marked with ETL or UL demonstrate that the product that bears the mark has met the minimum requirements of accepted product safety standards as determined through the independent testing of a Nationally Recognized Testing Laboratory (NRTL). And, as part of that testing regimen, the product manufacturer has agreed to periodic follow-up inspections to verify continued compliance. So, the only real difference between the marks is in the service, and services, of the testing laboratory behind them.

What or Who is UL?

Underwriters Laboratories Inc. (UL) is an independent, not-for-profit product safety certification organization that has been writing Standards for Safety for over a century. Up until recently, UL was the only NRTL that could test products and verify compliance to the standards. This compliance has previously been referred to as having a product "UL Listed"

UL is not a government agency. They are a private organization responsible for the generation and publication of safety standards. A separate division of UL is also an OSHA approved NRTL (Nationally Recognized Test Lab), which means they are authorized by OSHA to test, evaluate, and list products to safety standards.

For a list of OSHA recognized NRTLs... see: <https://www.osha.gov/dts/otpca/nrtl/nrtllist.html>

What is a NRTL?

Simply put, a Nationally Recognized Testing Laboratory (NRTL) is an independent laboratory recognized by the Occupational Safety and Health Administration (OSHA) to test products to the specifications of applicable product safety standards - such as those from Underwriters Laboratories (UL) and other standards-writing bodies. An NRTL's function is to provide an independent evaluation, testing and certification of any electrically operated or gas- and oil-fired product. ETL is recognized as an NRTL in the United States and, in a similar capacity, as a Testing Organization (TO) and Certifying Body (CB) in Canada, and as a Notified Body in Europe.

There are a total of 17 labs that OSHA recognizes as approved NRTLs. Each lab is approved to test to specific standards. ETL and UL are two of the NRTLs approved for the UL 61010 standard that applies to the EXCEL™ XR Series Metering Pump.

For a list of Test Standards that ETL is recognized to perform see:

<https://www.osha.gov/dts/otpc/nrtl/its.html>

For a list of Test Standards that UL is recognized to perform see:

<https://www.osha.gov/dts/otpc/nrtl/ul.html>

What ETL marks is Excel™ XR labeled with?

The actual mark is shown here. It means that ETL has approved the Excel™ XR series to be marked that ETL, as a Nationally Recognized Testing Laboratory (NRTL) according to their examination and testing of the pump's design. This specific mark indicates it is listed both in the USA and Canada according to the following standards:

UL 61010-1 Issued: 2012/05/11 Ed:3 SAFETY REQUIREMENTS FOR ELECTRICAL EQUIPMENT FOR MEASUREMENT, CONTROL, AND LABORATORY USE - PART 1: GENERAL REQUIREMENTS

CSA C22.2# 61010-1 Issue: 2012/05/11 Ed:3 SAFETY REQUIREMENTS FOR ELECTRICAL EQUIPMENT FOR MEASUREMENT, CONTROL, AND LABORATORY USE - PART 1: GENERAL REQUIREMENTS



What does the ETL Listed Mark mean when displayed on a product?

In short, the ETL Listed Mark indicates that the product has been tested by ETL, found in compliance with accepted national standards, and meets the minimal requirements required for sale or distribution. To distributors, retailers, and customers, the ETL Mark means they are purchasing a compliant product that has been tested and certified by a third party organization.

Aren't manufacturers required to use UL for their compliance testing? Isn't this mandated by the standards themselves?

The simple answer to both questions is "no." In fact, this misconception has misled many manufacturers to believe that they don't have a choice in their third-party testing partner. Likewise, many customers are under the misconception that UL is the only choice to assure safety according to the UL standards. To satisfy the prerequisite of having products tested by an independent organization, the true legal requirement is that the laboratory which performs the testing is a Nationally Recognized Testing Laboratory (NRTL) recognized by OSHA. ETL is recognized worldwide as a competent testing, inspection and certification organization, and the ETL Listed Mark serves as proof of product compliance with national standards.

ETL Rating Defined

IEC 61010 (IEC is International Electro technical Commission and works to publish International Standards – IEC 61010 is the International version of the standards mentioned above and is referenced herein to provide a good definition of what’s contained in the standard) specifies general safety requirements for the following types of electrical equipment and their accessories, wherever they are intended to be used.

a) Electrical test and measurement equipment

This is equipment which by electromagnetic means tests, measures, indicates or records one or more electrical or physical quantities, also non-measuring equipment such as signal generators, measurement standards, power supplies for laboratory use, transducers, transmitters, etc.

This standard also applies to test equipment integrated into manufacturing processes and intended for testing manufactured devices.

b) Electrical industrial process-control equipment

This is equipment which controls one or more output quantities to specific values, with each value determined by manual setting, by local or remote programming, or by one or more input variables.

c) Electrical laboratory equipment

This is equipment which measures, indicates, monitors, inspects or analyses materials, or is used to prepare materials, and includes in vitro diagnostic (IVD) equipment. This equipment may also be used in areas other than laboratories; examples include self-test IVD equipment to be used in the home and inspection equipment to be used to check people or material during transportation.

Conclusion

A product no longer must be listed by UL, the NRTL, to be deemed safe for use in the workplace, or to adhere to the NEC requirements. When a customer specifies that a product must be UL listed, they misunderstand that UL is not the only on NRTL authorized to test to the same standards. The ETL mark indicates that the product has passed the UL standard and, as such, is approved to the UL standard.

Attached:

- ETL Recognition Letter
- ETL – Authorization to Mark



Valued Quality. Delivered.

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January 6, 2016

Subject: Recognition of ETL Certified Products by Authorities Having Jurisdiction

To Whom It May Concern:

I am contacting you today regarding the topic of ETL Certified products and their acceptance by Authorities Having Jurisdiction (AHJs) in the United States and Canada.

The National Electrical Code (NFPA 70) and Canadian Electrical Code (CSA C22.1), as well as the various Building Codes empower AHJs to accept products for use in their jurisdiction. Typically, the AHJs determine acceptability of products is by relying on "Listing" or Certification Marks issued by appropriately accredited Certification Bodies. Both Intertek and UL use the same standards to evaluate products (UL, CSA, FM, ANSI, ASTM, NFPA), and conduct similar surveillance activities to ensure ongoing compliance of the products to the certification standard.

In that regard, Intertek (which provides the ETL Certification Mark) and UL have equivalent accreditations from Accreditation Bodies such as the American National Standards Institute (ANSI), the Standards Council of Canada (SCC) and the International Accreditation Service (IAS). In the US, 29 CFR 1910.399 requires a Certification Body to be an OSHA Nationally Recognized Testing Laboratory (NRTL) and, in Canada products are required to bear a Certification Mark of an SCC-Accredited Certification Body. Both Intertek and UL have equivalent recognitions from OSHA and SCC to support product certification in the United States and in Canada. From an accreditation and acceptance standpoint, Intertek is entitled to receive the same recognition from AHJs as other NRTLs or Certification Bodies

An AHJ has the discretion to adopt requirements that are stricter than federal regulations. Those additional requirements, however, cannot be unfairly discriminatory. And, it is possible that an AHJ could refuse to accept a product for reasons that are outside of the product standard, such as specific jurisdictional installation requirements. Although not typically the case, the possibility does exist that an AHJ can refuse to accept the certification mark on a particular product from any NRTL. In those cases Intertek fully supports our certification and will work directly with the AHJs to ensure acceptance of the Mark.

Today there are more than 85,000 product families from over 7,000 global manufacturers that feature the ETL Certification Mark on a broad range of products that are eligible for sale in the US and Canada. These products can be found in Intertek's online directory of listed products at www.intertek.com/ETLdirectory.

I hope this clarifies any questions you may have had regarding acceptability and recognition of Intertek's ETL Certification. If you do have additional questions, don't hesitate to contact me

Sincerely,


Craig Davenport
Accreditation Manager
Intertek

(607) 758-6296





AUTHORIZATION TO MARK

This authorizes the application of the Certification Mark(s) shown below to the models described in the Product(s) Covered section when made in accordance with the conditions set forth in the Certification Agreement and Listing Report. This authorization also applies to multiple listee model(s) identified on the correlation page of the Listing Report.

This document is the property of Intertek Testing Services and is not transferable. The certification mark(s) may be applied only at the location of the Party Authorized To Apply Mark.

Applicant: Milton Roy LLC.
Address: 8825 North Sam Houston Parkway
West, Houston Texas 77064
Country: USA
Contact: Chris Clark
Phone: 832-588-3274
FAX: N/A
Email: chris.clark@miltonroy.com

Manufacturer: Milton Roy LLC.
Address: 201 Ivyland Rd
Ivyland, PA 18974-1777
Country: USA
Contact: Chris Clark
Phone: 832-588-3274
FAX: N/A
Email: chris.clark@miltonroy.com

Party Authorized To Apply Mark: Same as Manufacturer
Report Issuing Office: Boxborough, MA 01719 USA

Control Number: 3193094

Authorized by: _____
for Thomas J. Patterson, Certification Manager



This document supersedes all previous Authorizations to Mark for the noted Report Number.

This Authorization to Mark is for the exclusive use of Intertek's Client and is provided pursuant to the Certification agreement between Intertek and its Client. Intertek's responsibility and liability are limited to the terms and conditions of the agreement. Intertek assumes no liability to any party, other than to the Client in accordance with the agreement, for any loss, expense or damage occasioned by the use of this Authorization to Mark. Only the Client is authorized to permit copying or distribution of this Authorization to Mark and then only in its entirety. Use of Intertek's Certification mark is restricted to the conditions laid out in the agreement and in this Authorization to Mark. Any further use of the Intertek name for the sale or advertisement of the tested material, product or service must first be approved in writing by Intertek. Initial Factory Assessments and Follow up Services are for the purpose of assuring appropriate usage of the Certification mark in accordance with the agreement, they are not for the purposes of production quality control and do not relieve the Client of their obligations in this respect.

Intertek Testing Services NA Inc.
545 East Algonquin Road, Arlington Heights, IL 60005
Telephone 800-345-3851 or 847-439-5667 Fax 312-283-1672

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| Standard(s): | UL 61010-1 Issued: 2012/05/11 Ed:3 SAFETY REQUIREMENTS FOR ELECTRICAL EQUIPMENT FOR MEASUREMENT, CONTROL, AND LABORATORY USE - PART 1: GENERAL REQUIREMENTS CSA C22.2# 61010-1 Issue:2012/05/11 Ed:3 SAFETY REQUIREMENTS FOR ELECTRICAL EQUIPMENT FOR MEASUREMENT, CONTROL, AND LABORATORY USE - PART 1: GENERAL REQUIREMENTS |
| Product: | Chemical Dosing Pump |
| Brand Name: | LMI |
| Models: | ERB1XX-XX, ERB2XX-XX, XRD1XX-XX and XRD9XX-XX |