

# Explosive Environment Equipment Policy



Caution The equipment contained within this Explosive Environment section requires greater attention to specification and installation guidelines. Improper specification, installation or service of these products can result in loss of equipment or serious injury.

Rice Lake Weighing Systems has assembled the very best in Intrinsically Safe and Explosion-Proof equipment. In order to properly specify, install and service this equipment, it is necessary that our distributors understand and appreciate the possible risks involved.

**In an effort to educate our customers on some of the precautions required, we created an Explosive Environment Review. Available upon request, this booklet reviews the following:**

- Explosive environment designations: Class, Division and Group
- Standards and Codes applicable to hazardous environment equipment
- Equipment liability
- Theory of Intrinsically Safe, Explosion-Proof and Purged systems
- Equipment specification guidelines
- Proper installation procedures
- Service precautions

**The Explosive Environment Product Review booklet also includes the resource information listed below:**

- NFPA 70, "National Electrical Code (NEC) Handbook"
- NFPA 496, "Classification of Gases, Vapors, and Dusts for Electrical Equipment in Hazardous (Classified) Locations"
- ANSI/UL 913, "Standard for Intrinsically Safe Apparatus and Associated Apparatus for use in Class I, II and III, Division 1 Hazardous Locations"
- ANSI/ISA RP 12.6, "Installation of Intrinsically Safe Instrument Systems for Hazardous (Classified) Locations"
- FM Approval Standard 3610, "Approval Standard, Intrinsically Safe Apparatus and Associated Apparatus for use in Class I, II and III, Division 1 Hazardous Locations"
- FM Approval Standard 3615, "Approval Standards, Explosion Proof Electrical Equipment"
- "Electrical Installations in Hazardous Locations"

**Plant Safety Engineers and Certified Electricians should always be involved in the specification and installation of any Explosive Environment Equipment.**

**Please see the next page for assistance in selecting Hazardous Area Control Equipment for your application requirements.**

