

Hazardous Location Plugs, Receptacles and Interlocks

Hazardous-Duty Applications

Russellstoll® Hazardous-Duty Plugs, Receptacles and Interlocks are designed to support a variety of installation needs throughout 20A, 30A, 60A and 100A ranges where Division 1, Class 1 NEC® guidelines require the utmost in safety.

Unique among others, the Russellstoll® MaxGard® also offers true O-ring sealed waterproof design protection in addition to standard threaded flame-path construction employed elsewhere. In rough service, washdown and outdoor applications, MaxGard® performance goes beyond normal XP ratings.

With coming increases in harmonized designations for classifications between NFPA/NEC® and IEC (International) hazardous area standards, a quick reference classification chart is provided below. In all cases, the customer must determine and approve proper area classification standards and degree of harmonized standards acceptance.



HAZARDOUS MATERIALS ENVIRONMENT	U.S. NEC STANDARDS	EURO IEC STANDARDS
Gas or Vapor	Div. 1, Class I Div. 2, Class I	Zone 0 and 1 Zone 2
Dust	Div. 1, Class II Div. 2, Class II	Zone 10 Zone 11
Fibers/Flyings	Div. 1, Class III Div. 2, Class III	Zone 10 Zone 11
GROUP APPLICATIONS	NEC ART. 500 CLASS I: GROUPS	NEC ART. 505 ZONES 0, 1 AND 2
Div. 1 and 2, Class I	A: Acetylene	IIC
	B: Hydrogen	IIB
	C: Ethylene	IIB
	D: Propane	IIA

The above chart is presented for quick reference only and should only be used in conjunction with noted Articles. Further definition of harmonized standards will be supported by Russellstoll through appropriate specification efforts whenever practical.