

Russellstoll®

Hazardous Duty Plugs, Receptacles and Interlocks



Hazardous Duty Applications

Russellstoll Hazardous Duty Plugs, Receptacles and Interlocks are designed to support a variety of installation needs throughout 20, 30, 60 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.



Russellstoll®

Hazardous Materials Environment	U.S. NEC Stds	Euro IEC Stds.
Gas or Vapor	Div. 1, Class I Div. 2, Class I	Zone 0 & 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 & 2
Div. 1 & 2, Class I	A: Acetylene	IIC
	B: Hydrogen	IIB
	C: Ethylene	IIB
	D: Propane	IIA

The above charts are 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.