

# ZONE & DIVISION

Zones and Divisions are used to classify hazardous areas. Zones are more prominently used in Europe and other places around the world. Divisions are used mostly in North America.

Zones and Divisions align as follows:

<b>Flammable Material Present Continuously</b>	<b>Flammable Material Present Intermittently</b>	<b>Flammable Material Present Abnormally</b>
Zone 0	Zone 1	Zone 2
Division 1		Division 2

The gas groups for Zones and Divisions align as follows:

<b>Gas</b>	<b>Zones Grouping</b>	<b>Divisions Grouping</b>
Acetylene	IIC	A
Hydrogen	(IIB+H2)	B
Ethylene	IIB	C
Propane	IIA	D

Pushna's enclosures are explosion proof and certified for Division 1 locations for Group B gas. Division 1 equipment can be installed in Division 2 areas with any electronics when following Division 1 wiring methods. If Division 2 electronics were to be installed in the Division 1 enclosure, then the Division 1 enclosure can be installed in a Division 2 area using Division 2 wiring methods. Wiring methods are defined in the NEC (NFPA 70).

As you can see from the table above, the same principle can be applied to Zones. The NEC allows for Division 1 equipment to be installed in a Zone 1 or Zone 2 area as well as Division 2 equipment in a Zone 2 area. Zone 1 equipment can be used in Zone 2, etc.