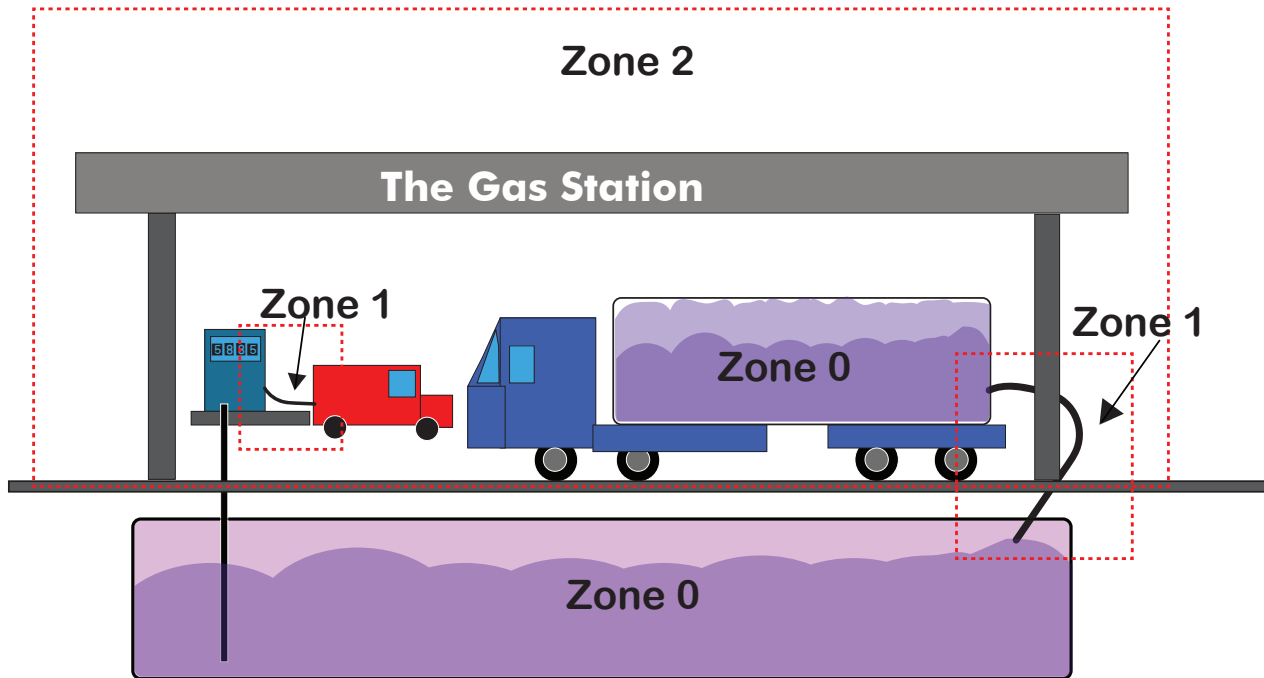


Safety Zones General Information ATEX and IECEx

Definition	ATEX/IECEx Zone	Class/Zone category used in USA and Canada	Class/Division category used in USA and Canada
An explosive atmosphere consisting of a mixture with air of dangerous substances in the form of gas, vapour or mist is present continuously or for long periods or frequently	0	Class I, Zone 0	Class I, Division 1
An explosive atmosphere consisting of a mixture with air of dangerous substances in the form of gas, vapour or mist is likely to occur in normal operation occasionally.	1	Class I, Zone 1	
An explosive atmosphere consisting of a mixture with air of dangerous substances in the form of gas, vapour or mist is not likely to occur in normal operation but, if it does occur, will persist for a short period only.	2	Class I, Zone 2	Class I, Division 2
An explosive atmosphere in the form of a cloud of combustible dust in air is present continuously, or for long periods or frequently.	20	Class II, Zone 20	Class II, Division 1
An explosive atmosphere in the form of a cloud of combustible dust in air is likely to occur in normal operation occasionally.	21	Class II, Zone 21	
An explosive atmosphere in the form of a cloud of combustible dust in air is not likely to occur in normal operation but, if it does occur, will persist for a short period only.	22	Class II, Zone 22	Class II, Division 2
Division Definition			
Ignitable concentrations of hazards exist under normal operation conditions and/or where hazard is caused by frequent maintenance or repair work or frequent equipment failure.			Division I
Ignitable concentrations of hazards are handled, processed or used, but which are normally in closed containers or closed systems from which they can only escape through accidental rupture or breakdown of such containers or systems.			Division II
Class Definition			
Where flammable vapors and gases may be present		Class I	
Where combustible dust may be found		Class II	
Presence of easily ignitable fibers or flyings		Class III	

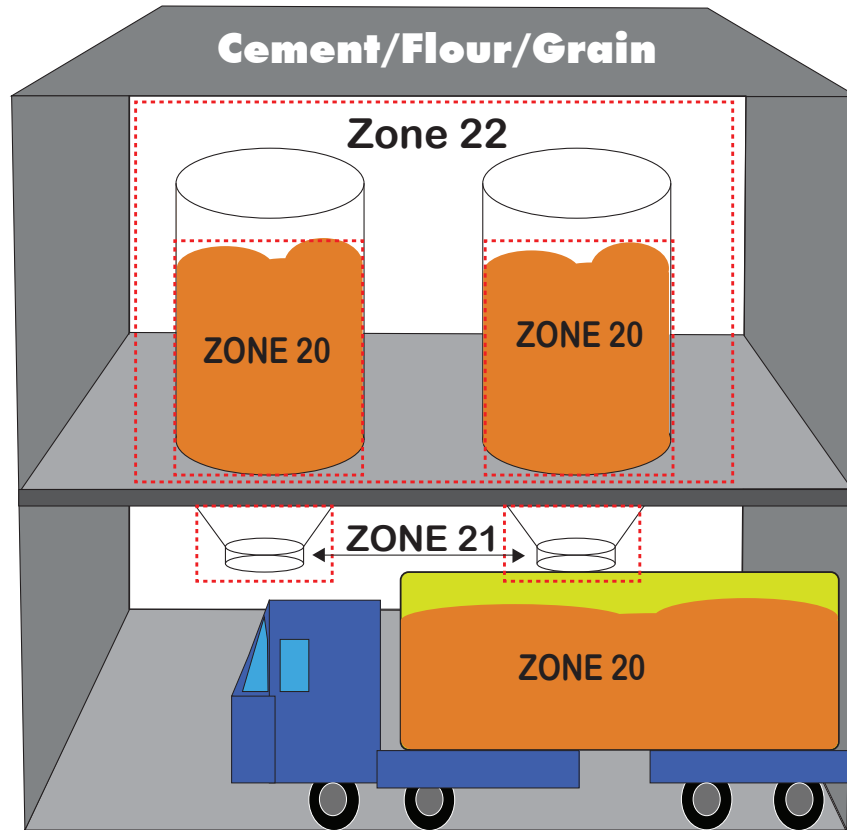
Notice: AMETEK STC underlines that this document is an unofficial guide, not a legally binding guide in regards to any aspects of safety zones or instrumentation. When acquiring instrumentation for explosion hazardous areas, always seek information from the safety person that is responsible for the application, or local authorities, then ask our product experts in regards to the proper instrumentation.

Safety Zones on Gas Station



Definition	ATEX/IECEX Zone	Class/Zone category used in USA and Canada	Class/Division category used in USA and Canada
An explosive atmosphere consisting of a mixture with air of dangerous substances in the form of gas, vapour or mist is present continuously or for long periods or frequently	0	Class I, Zone 0	Class I, Division 1
An explosive atmosphere consisting of a mixture with air of dangerous substances in the form of gas, vapour or mist is likely to occur in normal operation occasionally.	1	Class I, Zone 1	
An explosive atmosphere consisting of a mixture with air of dangerous substances in the form of gas, vapour or mist is not likely to occur in normal operation but, if it does occur, will persist for a short period only.	2	Class I, Zone 2	Class I, Division 2

Safety Zones on Cement/Flour/Grain Facility



Definition	ATEX/IECEX Zone	Class/Zone category used in USA and Canada	Class/Division category used in USA and Canada
An explosive atmosphere in the form of a cloud of combustible dust in air is present continuously, or for long periods or frequently.	20	Class II, Zone 20	Class II, Division 1
An explosive atmosphere in the form of a cloud of combustible dust in air is likely to occur in normal operation occasionally.	21	Class II, Zone 21	
An explosive atmosphere in the form of a cloud of combustible dust in air is not likely to occur in normal operation but, if it does occur, will persist for a short period only.	22	Class II, Zone 22	Class II, Division 2