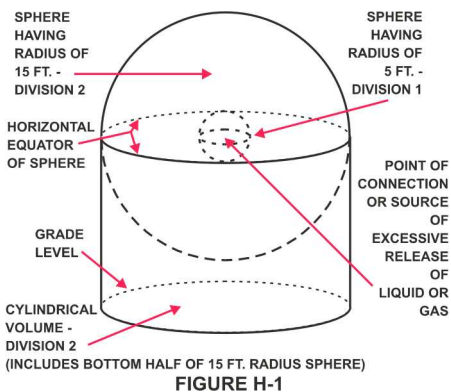


Table H-28

Part	Location	Extent of classified areas <sup>1</sup>	Equipment shall be suitable for Class 1, Group D <sup>2</sup>
A	Storage containers other than DOT cylinders.	Within 15 feet in all directions from connections, except connections otherwise covered in Table H-28.	Division 2
B	Tank vehicle and tank car loading and unloading. <sup>3</sup>	Within 5 feet in all directions from connections regularly made or disconnected for product transfer. Beyond 5 feet but within 15 feet in all directions from a point where connections are regularly made or disconnected and within the cylindrical volume between the horizontal equator of the sphere and grade (See Figure H-1).	Division 1 Division 2
C	Gage vent openings other than those on DOT cylinders.	Within 5 feet in all directions from point of discharge. Beyond 5 feet but within 15 feet in all directions from point of discharge.	Division 1 Division 2
D	Relief valve discharge other than those on DOT cylinders.	Within direct path of discharge. Within 5 feet in all directions from point of discharge. Beyond 5 feet but within 15 feet in all directions from point of discharge except within the direct path of discharge.	Division 1 Division 1 Division 2
E	Pumps, compressors, gas-air mixers, and vaporizers other than direct fired.		
	Indoors without ventilation.	Entire room and any adjacent room not separated by a gastight partition. Within 15 feet of the exterior side of any exterior wall or roof that is not vaportight or within 15 feet of any exterior opening.	Division 1 Division 2
	Indoors with adequate ventilation. <sup>4</sup>	Entire room and any adjacent room not separated by a gastight partition.	Division 2
	Outdoors in open air at or abovegrade.	Within 15 feet in all directions from this equipment and within the cylindrical volume between the horizontal equator of the sphere and grade. See Figure H-1.	Division 2
F	Service Station Dispensing Units.	Entire space within dispenser enclosure, and 18 inches horizontally from enclosure exterior up to an elevation 4 ft. above dispenser base. Entire pit or open space beneath dispenser.	Division 1
		Up to 18 inches abovegrade within 20 ft. horizontally from any edge of enclosure.	Division 2
		<i>Note:</i> For pits within this area, see Part F of this table.	
G	Pits or trenches containing or located beneath LP-Gas valves, pumps, compressors, regulators, and similar equipment.		
	Without mechanical ventilation.	Entire pit or trench.	Division 1
		Entire room and any adjacent room not separated by a gastight partition.	Division 1
		Within 15 feet in all directions from pit or trench when located outdoors.	Division 2
	With adequate mechanical ventilation.	Entire pit or trench.	Division 2
		Entire room and any adjacent room not separated by a gastight partition.	Division 2
Within 15 feet in all directions from pit or trench when located outdoors.		Division 2	
H	Special buildings or rooms for storage of portable containers.	Entire room.	Division 2
I	Pipelines and connections containing operational bleeds, drips, vents or drains.	Within 5 ft. in all directions from point of discharge.	Division 1
		Beyond 5 ft. from point of discharge, same as Part E of this table.	
J	Container filling:		
	Indoors without ventilation.	Entire room.	Division 1
	Indoors with adequate ventilation. <sup>4</sup>	Within 5 feet in all directions from connections regularly made or disconnected for product transfer.	Division 1
		Beyond 5 feet and entire room.	Division 2
Outdoors in open air.	Within 5 feet in all directions from connections regularly made or disconnected for product transfer.	Division 1	
	Beyond 5 feet but within 15 feet in all directions from a point where connections are regularly made or disconnected and within the cylindrical volume between the horizontal equator of the sphere and grade. (See Figure H-1).	Division 2	

1. The classified area shall not extend beyond an unpierced wall, roof, or solid vaportight partition.
2. See Subpart S of this part.
3. When classifying extent of hazardous area, consideration shall be given to possible variations in the spotting of tank cars and tank vehicles at the unloading points and the effect these variations of actual spotting point may have on the point of connection.
4. Ventilation, either natural or mechanical, is considered adequate when the concentration of the gas in a gas-air mixture does not exceed 25 percent of the lower flammable limit under normal operating conditions.



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(b)(18) **Fixed electrical equipment in classified areas.** Fixed electrical equipment and wiring installed within classified areas specified in Table H-28 shall comply with Table H-28 and shall be installed in accordance with Subpart S of this part. This provision does not apply to fixed electrical equipment at residential or commercial installations of LP-Gas systems or to systems covered by paragraph (e) or (g) of this section.

(19) **Liquid-level gaging device.**

(i) **Each container** manufactured after December 31, 1965, and filled on a volumetric basis shall be equipped with a fixed liquid-level gage to indicate the maximum permitted filling level as provided in paragraph (b)(19)(v) of this section. Each container manufactured after December 31, 1969, shall have permanently attached to the container adjacent to the fixed level gage a marking showing the percentage full that will be shown by that gage. When a variable liquid-level gage is also provided, the fixed liquid-level gage will also serve as a