

GP 03-06-04	Vents and Drains, Flushing and Cleaning Connections	February 2003
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Vents and Drains, Flushing and Cleaning Connections

GP 03-06-04

Scope

- 1) [I] This Global Practice (GP) covers the arrangement and installation of vents, drains, and flushing and cleaning connections in piping, equipment, and instruments.
 - 2) [I] Design and installation requirements for venting, draining, and flushing, not specifically covered by other Global Practices shall comply with the requirements given herein.
 - 3) [I] An asterisk (*) indicates that additional information is required. If a job is contracted, this additional information is furnished in the Job Specification.
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1. Required References

None.

2. Definitions

Term	[I] Description
Combustible Liquids	Combustible liquids are high flash liquids [flash point 100°F (38°C) or higher] when handled at temperatures more than 15°F (8°C) below their flash point.
Dangerous Materials	Dangerous materials, as used herein, include the following: (1) Toxic materials such as phenol, hydrogen sulfide, chlorine. (2) Highly corrosive materials such as acids, caustic. (3) Flammable materials and combustible liquids as defined in this table. (4) Boiler feedwater and steam in systems requiring Class 300 or greater flange ratings. (5) Oxygen in concentrations greater than 35 percent.
Flammable Liquids	Flammable liquids are low flash liquids [flash point below 100°F (38°C)]; and high flash liquids [flash point 100°F (38°C) or higher] when handled at temperatures above or within 15°F (8°C) of their flash points.
Flammable Materials	Flammable materials are flammable liquids; hydrocarbon vapors; and other vapors, such as hydrogen and carbon disulfide, that are readily ignitable when released to atmosphere.
Frequent Operation	Frequent operation of vents and drains, as used herein, infers a frequency of use of once or more per two-week period.

3. Vents and Drains

- 1) * [O] Low point drains and high point vents shall be provided as required for pressure testing, start-up, chemical cleaning and for decommissioning.
- 2) [O], [S] The need for valving vents or drains, and drain piping, shall be based on service and operation as shown in Table 1.

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