

Course Objectives

- 1. Describe typical applications of vents in chemical processing.
- 2. Distinguish between the different types of vents.
- 3. Describe issues related to safe operation of a vent.

Abc Key Terms (Define the following)	
flame arrester	
inerting	
Maximum Allowable Working Pressure (MAWP)	
relief system	
relief header	



- 1. List the potential risks of over pressure in a vessel.
- 2. What is a common cause of under pressure (vacuum) in a vessel that is not designed for vacuum?

4.	What is the difference between a free vent and a conservation vent?
5.	Explain how a conservation vent may be used to reduce vacuum in a vessel.
6.	A standard conservation vent will be fully open at the se pressure or set vacuum.
7.	What is the difference between an end-of-line vent and a pipe-away vent?
8.	What is the difference between a normal vent and an emergency vent?
9.	List two types of emergency vents. 1) 2)
10.	List three requirements for vent discharge. 1) 2) 3)
11.	What is the cause of vent chatter?
12.	Why is it important that a vent is inspected after an upset that releases product