




## Flashback Suppression System



Don't risk experiencing a catastrophic event at your tank battery site. Install a Hero Flare Flashback Suppression System to prevent this from occurring.



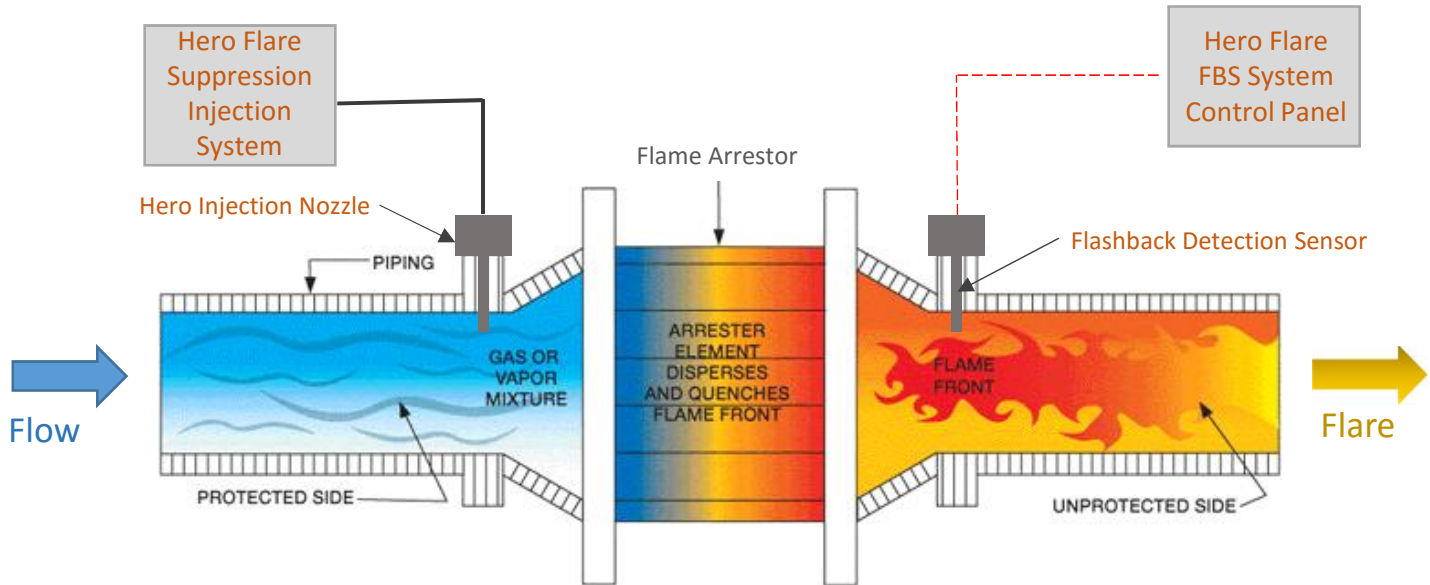
### System Overview

All Tank Battery sites that utilize flares to burn off the tank vapors are exposed to the potential for the flame on the flare to propagate or flashback to the tanks creating a safety hazard. Although flame arrestors are a viable safety feature that should be installed on all tank vapor flare applications to isolate the tanks from flashback occurrences, their protection to the system is compromised once a flashback occurs. Once the flame arrestor is exposed to flashback for any length of time, damage to the internal element is likely to occur. Often times it may be weeks, months or even years before it is discovered that the flame arrestor internals are damaged and are providing no safety protection.

The HERO Flare Flashback Suppression System is designed to detect a flashback within seconds and activate the high pressure injection nozzle to suppress the flame from continuing to flashback. This not only saves the life of the flame arrestor element, but ensures the flashback does not reach the tanks. Once a flashback has been detected, the Hero Flare Flashback Suppression Control Panel will display a visual alarm that will stay lit to ensure the appropriate personnel is aware that a flashback occurrence has taken place. In addition, the control panel will keep a log of all flashback occurrences, which can be evaluated to observe the number and frequency of flashbacks to help assess if there is an ongoing problem that needs to be addressed.



## Easy to Install, Economical and It Works!!



### Features

- Protects the life of the flame arrester from flashback events
- Provides added protection to the tanks by suppressing flashback occurrences
- Provides a visual alarm to notify personnel once a flashback occurs
- Solar / Battery power operated (*AC power option available*)
- Utilizes natural gas, propane or production gas for the suppression medium
- Includes a data logger to provide historical information on frequency of flashback occurrences

### Flashback Occurrences are Real

The following pictures are actual events that occurred where flame arrestors were exposed to flashback and, in some cases, went undetected for weeks or months. The HERO Flashback Suppression System would have prevented the flame arrester from being damaged and prevented the tanks from being unprotected.



## Hero FSS Controls System



### System Includes:

- Self Supported Control Rack
- 12VDC Battery / Solar Powered System
- Suppression Gas Controls Included:
  - *Suppression gas regulator*
  - *Solenoid valve*
  - *Manual shutoff valve*
- Metal NEMA 4 Panel Includes:
  - *On / off switch*
  - *Flashback Indicator light*
  - *Test push button*

*Simple Controls System To Minimize Maintenance While Maximizing Safety*

