



- Internal Sense Tap
(External Sense Tap Optional)
- Positive Emergency Shutoff
- Maintain Upstream Pressure
- 255° F Fusible Link
- Sizes 2" Through 12"
- Solenoid Shut-off option for flare system

The Shand & Jurs 97160 Pressure Relief/Flame Trap Assembly

The S&J 97160 Pressure Relief and Flame Trap Assembly combines the 97150 back pressure regulator, a thermal operated valve and the 94306 horizontal flame arrester to maintain upstream pressure and effectively inhibit flame propagation in low pressure gas lines.

The back pressure regulator maintains a preset upstream pressure, the flame arrester effectively quenches internal flames, and the fusible element positively shuts off flow in emergency flame conditions. Standard materials of construction include an Aluminum Body and BUNA-N diaphragm. The large diameter diaphragm reduces line bounce for smoother gas flow.

The 97160 has simple spring loaded settings for easy field adjustment and the components are easy to access providing for simplified cleaning and maintenance.

Its aluminum and stainless steel components withstand the severest of process environments. The S&J 97160 is especially designed for hydrogen sulfide and hot, wet methane which are the main components of digester gas streams in municipal waste water treatment facilities.

The 97160 is 100% U.S. made.

Applications

- Anaerobic digester gas train**
- Fermentation off gas piping systems**
- Low pressure vent lines**

