



Variable Area Sonic Flare (MVF Series)

Mission Flares & Combustion variable area flare tips (MVF) are high pressure tips that utilize the energy of the high pressure gas stream to provide smokeless flare performance. Each arm of the MVF tip utilizes a self-actuated variable exit area assembly that capitalizes on the high exit velocities & superior mixing from the high gas-to-air surface areas. The assembly opens as necessary relative to the flow & ensures operation at high exit velocities over a wide range of flow rates. By operating at a high exit velocity, the flare does not require additional assist media such as gas or steam for smokeless operation, even at low flow rates.

Lowest Purge Gas Rating

MVF flare tip provides constant back pressure, high exit velocities, smokeless operation across full operating range, & has the lowest purge gas rating of any type of flare.

Wide Range of Applications

MVF flares are ideal for refining, production, LNG, petrochemical, offshore platforms, pulp and paper plants, pharmaceuticals & food processing plants. Gas compression facilities, upstream & midstream oil & gas production.

Non-Assisted Smokeless Operation

98.5% or higher hydrocarbon destruction efficiency, low radiation levels, large gas capacity with high smokeless requirements, & shorter flame length.

Fires Well At All Angles

MVF flare tip allows can be mounted & function well when firing vertical, at an angle or even horizontally.

Advantages

- Sizes from 4" to 72" (101.6mm to 1,828.8mm)
- Most economical flare for high-pressure use
- High stability pilots
- All stainless materials

missionflares.com
info@missionflares.com
337.240.7894

