Gas Assist Flares

Mission's MGA gas assist flares use proven technology to achieve smokeless flaring for low pressure hydrocarbons whenever steam or air is unavailable.

Our MGA flares utilize assist gas flow via our proprietary design, which splits the waste gas into several streams at the flare tip exit. This increases the flare gas and air boundary, maximizes turbulence in the mixing zone while minimizing the assist utility required for smokeless combustion.

Wide Range of Gas Compositions

MGA flares are ideal upstream oil & gas production, midstream oil & gas, refining & chemical processing, & is designed to flare a wide range of gas compositions.

High Efficiency Injection Nozzles

Utilizes a gas ring with high efficiency injection nozzles. MGA flares normally use high-pressure natural gas as the assist medium to inspirate air, create turbulence & produce smokeless burning.

Purge Reduction Seal

Designed with high temperature material in the heat affected zone and includes a velocity type purge reduction seal to reduce purge rates.

Proprietary Flare Tip Design

Achieves max air to fuel boundary for higher hydrocarbon destruction efficiency, 98.5% or greater & is a good option for replacing other manufactures' gas assist flare tips.

Advantages

Size Range: 2" (50mm) to 84" (2,134mm)

Noise Level: Lower than similar sized steam-assist flares **Also Includes**: High stability pilots

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