

## Multi-Point Ground Flare (CrossFire Series)

### GENERAL:

- Provides ground-based combustion of large volumes of waste gas hydrocarbons
- Provides smokeless combustion
- Designed to divide the waste gas into many small burner nozzles to ensure low flame height
- Options include staged burners, air, gas or steam assist for the first stage, and a radiation wall to hide the flame

### SELECTION CRITERIA / ADVANTAGES

- Typically used when the waste gas flow exceeds the suitability of a conventional enclosed flare or vapor combustion unit
- Smokeless flow rates of up to 100% of total waste gas flow
- Short flame lengths allow installation within a wall to hide the combustion process and prevent interference with other structures
- Stable and reliable combustion

### PRINCIPLE APPLICATIONS

- Upstream oil & gas production
- Midstream oil & gas
- Petroleum refining
- Chemical processing industry (CPI)

### DESIGN FEATURES

- Encore proprietary CrossFire waste gas burners provides safe, efficient and reliable combustion
- Encore Energen pilots provide reliable and instantaneous ignition
- Optional staging skirts to maintain proper velocity through the burners
- Burners are designed to cross light to minimize the number of pilots required
- Natural draft combustion air delivery system

## SPECIFICATIONS

### DIMENSIONS:

- Burner height: 6' – 10' [1829 mm – 3048 mm]
- Number of burners: 10 to several hundred
- Wall height: 10' – 50' [3.0 m – 15.2 m]

### STANDARD MATERIALS:

- Burners: stainless steel
- Burner Manifold: carbon steel
- Wall: carbon steel

