

## Flare Equipment - AF-444

Total Flare Gas Flow Rate (MMscfd) - **1.30**HP Flare Gas Flow Rate (MMscfd) - **1.00**LP Flare Gas Flow Rate (MMscfd) - **0.30**Total Flare Gas Flow Rate (Lbs/Hr) - **3,864**Heating Value of the HP Flare Gas (Btu/Ft<sup>3</sup>) - **1,400**Heating Value of the LP Flare Gas (Btu/Ft<sup>3</sup>) - **2,000**Average Heating Value Flare Gas (Btu/Ft<sup>3</sup>) - **1,538**Calculated Flare Gas and Combustion Air Exit Velocity (Ft/Sec) - **103**Allowed Flare Gas and Combustion Air Exit Velocity (Ft/Sec) - **162**Maximum Radiation Excluding Solar (Btu/Hr/Ft<sup>2</sup>) - **1,500**Maximum Radiation from base of Flare (Feet) - **16**Minimum Flare Height (Feet) - **27**Actual Flare Height (Feet) - **30**Air Flare Tip Diameter (Inches) - **8.00**Flare Gas Pressure Drop Across the HP Flare Tip (Oz/In<sup>2</sup>) - **1.968**Flare Gas Pressure Drop Across the LP Flare Tip (Oz/In<sup>2</sup>) - **0.2512**Fraction Radiated (F Factor) - **0.26**Wind Speed (mph) - **20**

This flare system will comply 40 CFR 63.11 & 60.18  
and therefore carries a destruction efficiency of 98% or greater.