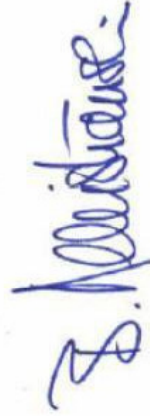


This operation description applies for the following Hofstetter high temperature flares and flaring systems:

HOFGAS®- Efficiency
HOFGAS®- Sparky™
HOFGAS®- Ready™
HOFGAS®- LPM

Principal Operation description

1. With the start signal the starting sequence begins
2. The ignition burner solenoid valve opens and a small quantity of Gas is delivered to the ignition burner.
3. The certified Kromschroder burner control unit ignites the gas.
4. A UV-sond is verifying that ignition was successful and a stable flame is burning on the top of the ignition burner. If not the flare will stop!
5. With successful ignition the UV-sensor is giving a signal to the PLC which is then opening the valve of the main burner.
6. The ignition burner ignites the main burner.
7. After a few seconds the ignition burner is switched off and the UV-sond is now surveying the flame of the main burner. In case the UV-sond is not seeing a flame the flare will be stopped.
8. The controlled combustion of the gas begins by measuring the inner temperature of the combustion chamber.
9. The combustion temperature is monitored and registered constantly
10. In the event that the combustion temperature drops below 900°C an alarm is indicating the operator that the flare is running out of the specified combustion temperature range.
11. In the event that the combustion temperature exceeds 1'350°C the flare will be stopped automatically



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