

LINDOFLAMM® flow stop. New benchmark in manual burner safety when heating with acetylene.



LINDOFLAMM LF-H-8x2D, a typical manual preheating burner

Challenge When welding mild steel, for instance, it may be necessary to pre-heat the steel. This applies to both manual and automatic processes. In both cases, pre-heating with acetylene and compressed air offers a number of advantages over other fuel gases. These include greater flexibility, productivity, quality and cost efficiencies. Manual heating with acetylene, however, sometimes offers scope for safety improvements relative to fully automated thermal solutions. This can be due to a number of factors. For example, pre-heating often precedes the welding step and may also have a different point of application. As a result, the acetylene flame may be out of the welder's line of vision. If it suddenly goes out, this might not be immediately detected by the operator. Like all fuel gases, acetylene can present a serious safety hazard if not handled and monitored according to best practice. Although the flame can be monitored manually, many companies would welcome an automated solution offering greater convenience, efficiency and reliability.

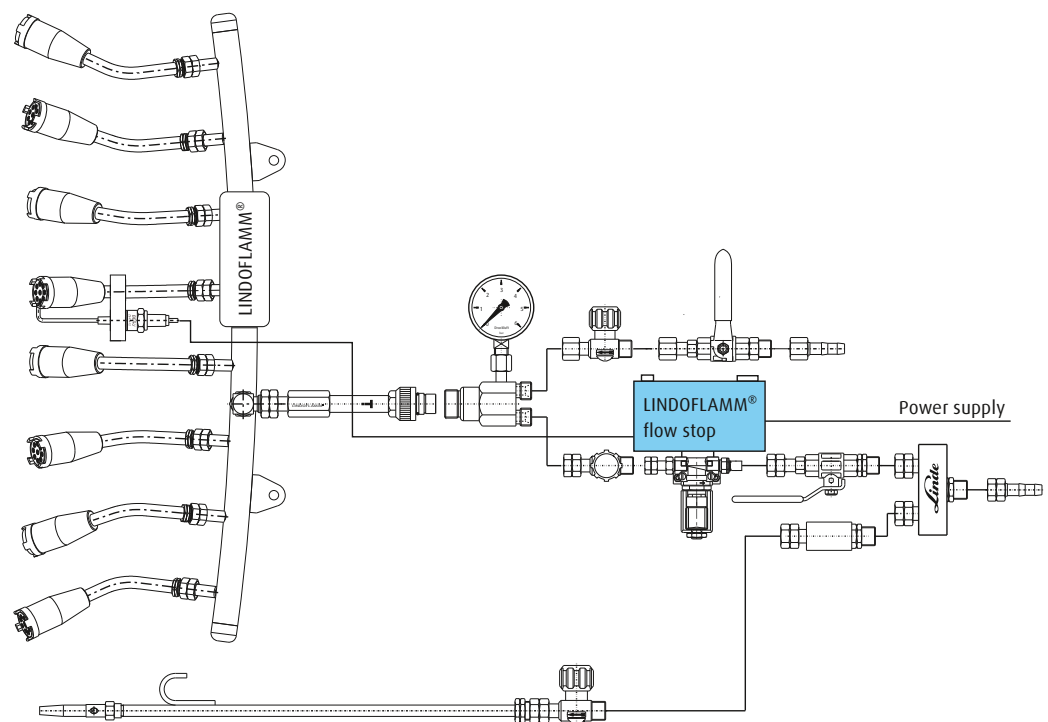
Solution Linde has developed an innovative solution that optimises the safety of manual heating processes. Expanding Linde's extensive LINDOFLAMM portfolio of acetylene burners, supply concepts and complementary services, LINDOFLAMM flow stop automatically cuts off the acetylene supply within one second if the flame is extinguished. This gives welders and general operators complete peace of mind, enabling them to concentrate on the task at hand without having to worry about whether the flame has gone out.

Components Like all LINDOFLAMM solutions, LINDOFLAMM flow stop is customised to individual needs, reflecting the burner type in use and the application specifics. It is suited to all LINDOFLAMM burners. The basic unit comprises the following components:

- Control unit
- Solenoid valve
- Ionisation electrode
- Mounting unit
- Compressed air control via manometer with electrical contact (optional)

Benefits at a glance

- More convenient, efficient and reliable acetylene flame control for welders and operators
- Fast – acetylene flow automatically cuts off within one second
- Easy plug-and-play installation or retrofitting
- Customised to individual burner designs and application needs
- Smart extension of Linde's vast LINDOFLAMM flame pre-heating programme



Typical burner configuration with LINDOFLAMM flow stop

Linde AG

Linde Gas Division, Carl-von-Linde-Strasse 25, 85716 Unterschleissheim, Germany
 Phone +49.89.31001-5558, lindoflamm@linde.com, www.linde-gas.com