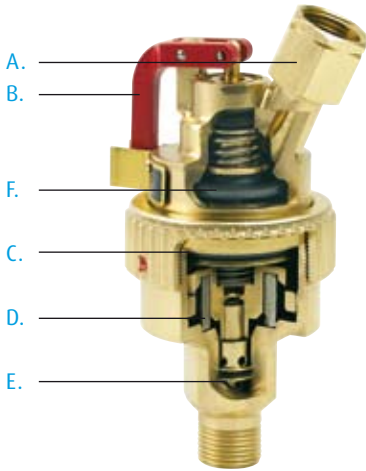


Linde flashback arrestors.

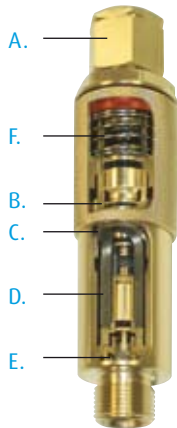


- A.
- B.
- F.
- C.
- D.
- E.

Linde flashback arrestors are precision-manufactured, assembled and individually tested to the highest manufacturing standards. The superior quality of Linde flashback arrestors makes them essential to the Linde range.

Linde flashback arrestors feature:

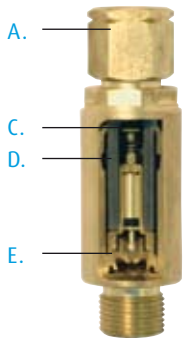
- A. Inlet filter – a large stainless steel surface made from wire mesh to prevent foreign matter entering the unit.
- B. Signal lever (resettable), drop-down shroud (on Premier flashback arrestor).
- C. Non-return valve (NV) – a spring-loaded valve preventing the backfeed of gas upstream of the flashback arrestor.
- D. Flame Arrestor (FA) – a large sintered stainless steel element for repeatedly arresting flames.
- E. Temperature-activated cut-off valve (TV) – a valve that cuts off gas supply in the event of sustained, multiple flashbacks or a flame being held in the device. Once activated, this cannot be reset and the unit must be replaced.



- A.
- F.
- B.
- C.
- D.
- E.

Linde Premier FBAs also feature:

- F. A pressure-sensitive cut-off device (PV) – a valve that isolates the gas supply if a backfeed of gas is detected. When this valve is activated, the signal lever B is raised or the shroud drops to alert the user to a potentially dangerous situation. Once the cause of the backfeed has been corrected, the flashback arrestor can be reset and the user can continue in safety.



- A.
- C.
- D.
- E.



Resettable flashback arrestors:

These feature a pressure-sensitive cut-off device and a highly visible indicator lever. They are ideal for tough industrial environments.



Premier flashback arrestors:

Sleek brass design with a drop-down shroud indicating the activation of the pressure-sensitive cut-off valve.



Standard flashback arrestors:

A compact safety device offering the standard level of protection, non-return valve, inlet filter, thermal cut-off device and flame-arresting sintered element.



Torch-mount flashback arrestors:

A compact safety device for torches, with flame arrestor of stainless steel construction, non-return valve and filter.

Flashback Arrestors

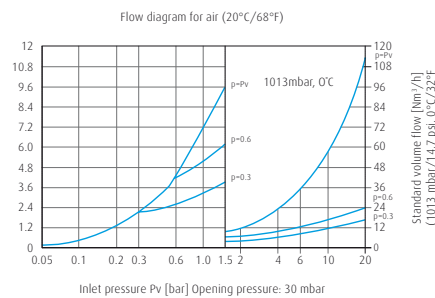
Part no.	Linde description	Gas	Connection	Max. working pressure	Weight (g)
725201	Standard flashback arrestor	Fuel	G 3/8" LH	Acetylene 1.5 bar, Natural gas 5.0 bar, Propane 5.0 bar, Hydrogen 3.0 bar	195
725205	Standard flashback arrestor	Oxygen	G 3/8" RH	Air/Oxygen 30 bar	195
725200	Torch-mount flashback arrestor	Fuel	G 3/8" LH, G 1/4" LH	Acetylene 1.5 bar, Natural gas 5.0 bar, Propane 5.0 bar, Hydrogen 4.0 bar	107
725206	Torch-mount flashback arrestor	Oxygen	G 3/8" RH	Air/Oxygen 20 bar	107
725202	Premier flashback arrestor	Fuel	G 3/8" LH	Acetylene 1.5 bar, Natural gas, Propane 5.0 bar, Hydrogen 3.0 bar	321
725207	Premier flashback arrestor	Oxygen	G 3/8" RH	Air/Oxygen 20 bar	321
725203	Resettable flashback arrestor	Fuel	G 3/8" LH	Acetylene 1.5 bar, Natural gas 5.0 bar, Propane 4.0 bar, Hydrogen 5.0 bar	600
725208	Resettable flashback arrestor	Oxygen	G 3/8" RH	Air/Oxygen 10 bar	600

A flashback is a flame travelling at supersonic speed in the opposite direction to normal gas flow in oxy-fuel gas equipment. The backfeeding of gases that promotes flashbacks is generally caused by one of the following:

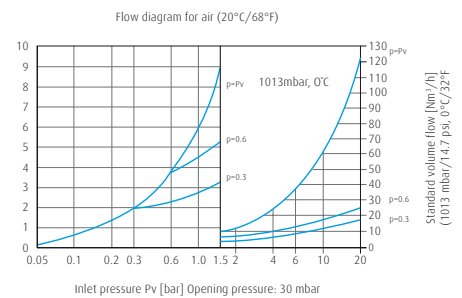
- Excessive pressure. If the flow rate exceeds the nozzle capacity, the gas at the higher pressure then flows into the lower-pressure gas line. This will occur if incorrect pressures are used or if nozzles, cutting attachments and welding torches are incompatible
- Lighting up incorrectly with both torch control valves open but one cylinder closed. In spite of better equipment, flashbacks remain a problem in oxy-fuel gas systems. There are many reasons for this, including the growing use of welding and cutting equipment by unskilled or semi-skilled persons who sometimes short-cut safety procedures in order to save time
- A drop in pressure of either gas due to leaks in the regulator, hose or connections. This results in backfeeding into the low-pressure line
- The reverse flow of gases during temporary storage or shutdown, incorrect closedown procedures or malfunctioning valves or regulators

Flashback arrestor flow charts

Standard flashback arrestors

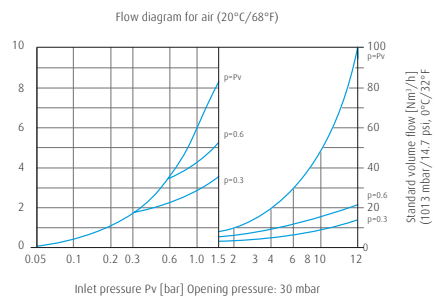


Torch-mount flashback arrestors

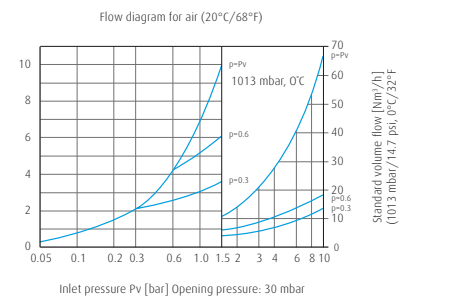


Gas	Conversion factor
Acetylene	×1.04
Methane	×1.33
Propane	×0.80
Oxygen	×0.95
Hydrogen	×3.75
Natural gas	×1.25

Resettable flashback arrestor



Premier flashback arrestor



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