WITT Flashback Arrestors for reliable protection against dangerous reverse gas flow and flashbacks according to DIN EN ISO 5175-1. Every Arrestor 100% tested.

The best Flashback Arrestors in the world
- a large surface area flame arrestor \(FA\) of stainless steel construction extinguishes any dangerous flashback
- a temperature sensitive cut-off valve \(TV\) extinguishes sustained flashbacks long before the internal temperature of the arrestors reaches a dangerous level
- a spring loaded non-return valve \(NV\) prevents slow or sudden reverse gas flow from forming explosive mixtures in the gas supply
- a filter at the gas inlet protects the arrestor against dirt contamination, extending the service life

Operation / Usage
- Flashback Arrestors are used to protect gas cylinders and pipeline outlet points (hoses and any equipment) against dangerous reverse gas flow and flashbacks
- for pipeline outlets and single cylinders with high users for example supply units for gas cutting machines
- WITT Flashback Arrestors may be mounted in any position/orientation
- only one piece of equipment may be connected to a single Flashback Arrestor
- the maximum ambient/working temperature is 70 °C / 158 °F

Maintenance
- annual testing of the non-return valve, body leak tightness and flow capacity is recommended
- WITT is happy to supply special test equipment
- Flashback Arrestors are only to be serviced by the manufacturer, the dirt filter may be replaced by competent staff

Approvals
Company certified according to ISO 9001 and PED 2014/68/EU Module H
CE-marked according to:
- PED 2014/68/EU
Cleaned for Oxygen Service according to:
- EIGA IGC Doc 13/12/E: Oxygen Pipeline and Piping Systems
Other connections available upon request

<table>
<thead>
<tr>
<th>Safety devices</th>
<th>Model</th>
<th>85-30</th>
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<tbody>
<tr>
<td>Certification BAM</td>
<td>BAM</td>
<td>ZBA/003/04</td>
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<tr>
<td>Flame arrestor (FA)</td>
<td>✔</td>
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<tr>
<td>Non-return valve (NV)</td>
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<tr>
<td>Temperature sensitive cut-off valve (TV)</td>
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<tr>
<td>Weight [g]</td>
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<td>4 580</td>
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</tbody>
</table>

Material
- Housing - Brass;
- Flame arrestor - Stainless steel;
- Seal - Elastomer

Gases
- max. working pressure [bar]
  - Acetylene (A) 1.5
  - Natural gas (M) 5.0
  - LPG (P) 3.5
  - Hydrogen (H) 4.0
  - Ethylene (E)* 4.0
  - Oxygen (O) 25.0
  - Compressed air (D) 25.0

Connections
- Order-No.
  - 3/4" NPT F 147-081
  - 1" NPT F 147-072
  - G 1.1/2 RH F 147-069
  - G 3/4 LH – 147-001
  - G 1 LH – 147-003
  - G 3/4 RH – – 147-065
  - G 1 RH – – 147-068

* no Certification BAM
Conversion factors:
- Acetylene: x 1.04
- Butane: x 0.68
- Ethylene: x 1.02
- Natural Gas: x 1.25
- Methane: x 1.33
- Propane: x 0.80
- Oxygen: x 0.95
- Town gas: x 1.54
- Hydrogen: x 3.75

Flow diagram for air (20 °C / 68 °F)

Inlet pressure: $P_v$ [bar] Opening pressure: 10 mbar