FLASHBACK ARRESTOR 85-20

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 arrester [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 arrester 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

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 flows, 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 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

Approvals

Company certified according to ISO 9001
Cleaned for Oxygen Service according to:
- EIGA IGC Doc 13/12/E: Oxygen Pipeline and Piping Systems
Other gases and connections available upon request

<table>
<thead>
<tr>
<th>Safety devices</th>
<th>Model</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flame arrester [FA]</td>
<td>☑</td>
</tr>
<tr>
<td>Non-return valve [NV]</td>
<td>☑</td>
</tr>
<tr>
<td>Temperature sensitive cut-off</td>
<td>✔</td>
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<tr>
<td>Weight [oz]</td>
<td>51.15</td>
</tr>
</tbody>
</table>

Material

Brass (housing); Stainless steel (flame arrestor); Elastomer (seal)

Gases

- max. working pressure [PSI]
  - Acetylene (A): 29
  - Natural gas (M): 58
  - LP (Propane): 58
  - Hydrogen (H): 58
  - MPS (Y): 58

Connections

Part No.
- 1/2" NPT / F*: 149-003
- 3/4" NPT / F*: 149-006
- 1" NPT / F*: 149-017

Gases

- max. working pressure [PSI]
  - Oxygen (O): 232

Connections

Part No.
- 1/2" NPT / F*: 149-003
- 3/4" NPT / F*: 149-006
- 1" NPT / F*: 149-017

F* = two-sided female thread
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Flow diagram for air (68°F)

Conversion factors:
- Acetylene x 1.04
- Butane x 0.68
- Natural Gas x 1.25
- Methane x 1.33
- LP (Propane) x 0.80
- Oxygen x 0.95
- Hydrogen x 3.75
- MPS x 0.83

Inlet pressure: $P_v$ [PSI]; Opening pressure: 0.06 PSI

Standard volume flow [SCFH] (14.7 PSI, 32°F)