FLASHBACK ARRESTOR SUPER 78

WITT Super Flashback Arrestors for reliable protection against dangerous reverse gas flow and flashbacks according to DIN EN ISO 5175-1, DIN EN ISO 5175-2. 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
- after any flashback or reverse gas flow, a pressure sensitive cut-off valve [PV] immediately cuts off the gas supply, preventing further danger
- a red signal lever indicates the operation of the pressure sensitive cut-off valve
- the resetting of the arrestor by the lever allows the user to resume safe work immediately after fixing the cause of the flashback or the reverse gas flow
- a temperature sensitive cut-off valve [TV] extinguishes sustained flashbacks long before the internal temperature of the arrestor 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
- a pressure relief valve [RV] vents excessive pressure and soot into the atmosphere, protecting the hose from bursting and the flame arrestor from clogging up, thus maintaining the flow rate

Operation / Usage
- Super Flashback Arrestors are used to protect gas cylinders and pipeline outlet points (hoses and any equipment) against dangerous reverse gas flow and flashbacks
- 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; the dirt filter may be replaced by competent staff

Approvals
Company certified according to ISO 9001
Cleaned for Oxygen Service according to:
- EIGA IGC Doc 13/12/E: Oxygen Pipeline and Piping Systems

<table>
<thead>
<tr>
<th>Model</th>
<th>Gas type</th>
<th>Max. working pressure [PSI]</th>
<th>BAM certified</th>
<th>Connection [inch]</th>
<th>Part No.</th>
<th>Weight [oz]</th>
<th>Housing Material</th>
<th>Seal Material</th>
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<tr>
<td>Super 78</td>
<td>Acetylene (A)</td>
<td>21</td>
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<td>LP (Propane)</td>
<td>58</td>
<td>BAM/ZBA/003/04</td>
<td>9/16&quot;-18 UNF LH (B-size)</td>
<td>125-012</td>
<td>23</td>
<td>Brass</td>
<td>Elastomer</td>
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<td>Natural gas (M)</td>
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<td>Hydrogen (H)</td>
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<td>Oxygen (O)</td>
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<td>9/16&quot;-18 UNF RH (B-size)</td>
<td>125-019</td>
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</tbody>
</table>

Other connections available upon request
FLASHBACK ARRESTOR SUPER 78

Super 78

Flow diagram for air (68°F)

Inlet pressure: $P_v$ [PSI]; Opening pressure: 0.15 PSI

Super 78

- Filter
- Signal lever
- Pressure sensitive cut-off valve
- Gas non-return valve
- Flame arrestor
- Temperature sensitive cut-off valve
- Explosion pressure relief valve

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