**FLASHBACK ARRESTOR F53N/HHO**

WITT Flashback Arrestors F53N/HHO for reliable protection against dangerous flashbacks at application of hydrogen-oxygen mixtures. Every Arrester 100% tested.

**Benefits**
- compact design
- a large surface area flame arrestor [PA] of stainless steel construction extinguishes any dangerous flashback from a stoichiometric composition of a hydrogen-oxygen mixture which is entering the device
- a temperature sensitive cut-off valve [TV] extinguishes sustained flashbacks long before the internal temperature of the arrestors reaches a dangerous level
- low life cycle costs
- may be mounted in any position / orientation
- compact size for easy, problem free installation

**Operation / Usage**
- the fitting protects against flashbacks and backfire at gas extraction by electrolysis for example micro soldering- and welding units (MLS-units) according to DIN 32508 No. 5.8.2 and No. 5.8.3. The small and compact design of the safety device is for use in pipelines.

**Approvals**
Company certified according to ISO 9001

**Other models, options and accessories available upon request.**

<table>
<thead>
<tr>
<th>Application</th>
<th>Materials</th>
<th>Temperature</th>
<th>max. working pressure</th>
<th>Connections</th>
<th>Order No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flame arrester</td>
<td>Housing – Brass; Flame arrester – Stainless steel Seal – Elastomer</td>
<td>max. 50 °C</td>
<td>0.5 bar</td>
<td>G 1/4 F</td>
<td>145-276</td>
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<tr>
<td>Safety device with multiple function</td>
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</tbody>
</table>
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Flow diagram for air (20 °C / 68 °F)

Standard volume flow [Nm³/h]

(1013 mbar / 14.7 psi / 0 °C / 32 °F)

Inlet pressure: \( P_v \) [bar]

\[ \Delta P = P_v \]

\[ \Delta P = 0.6 \text{ bar} \]

\[ \Delta P = 0.3 \text{ bar} \]