SAFETY GROUP 645/623N

Parallel connection from 4 or 5 Flashback Arrestors model 623N

WITT Safety groups for reliable protection against dangerous reverse gas flow and flashbacks according to DIN EN ISO 5175-1.

For applications with high flow rates.

Every safety group 100% tested.

Benefits
- 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 arrestors reaches a dangerous level
- a spring loaded non-return valve \( NV \) prevents slow or sudden reverse gas flow forming explosive mixtures in the gas supply

Operation / Usage
- in central gas supplies (behind the manifold pressure regulator or in a pipeline system)
- in thermal processing systems according to EN 746-2 (cutting machines, furnace supply equipment)
- WITT safety groups may be mounted in any position / orientation in pipelines / supply pipes
- 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
- safety groups are only to be serviced by the manufacturer

Options
- flange end connections (nominal diameter 32 - 65)
- connection: two-sided female thread (G-; NPT-thread; Rc-thread)

Approvals
Company certified according to ISO 9001 and PED 2014/68/EU Module H
CE-marked according to:
- PED 2014/68/EU

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<tbody>
<tr>
<td>645 4-fold</td>
<td>Town gas (C)</td>
<td>Steel</td>
<td>44</td>
<td>on request</td>
<td>flange DN 65 / PN16</td>
<td>182-014</td>
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<td>Natural gas (M)</td>
<td>Brass + Elastomer</td>
<td>46</td>
<td>on request</td>
<td>flange DN 65 / PN16</td>
<td>182-018</td>
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<tr>
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<td>Natural gas (M)</td>
<td>on request</td>
<td>31</td>
<td>Rc 1.1/2&quot; F</td>
<td>182-031</td>
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Other connections and pressures available upon request
Flow diagram for methane (20 °C / 68 °F)

Inlet pressure: $P_v$ [bar] Opening pressure: approx. 4 mbar

Example
(5 x 623N) 182-018

Flow diagram for methane (20 °C / 68 °F)

Inlet pressure: $P_v$ [bar] Opening pressure: approx. 4 mbar

Example
(5 x 623N) 182-031