DECOMPOSITION ARRESTER MGN
safety device

WITT Decomposition Arrestors for reliable protection against decomposition of acetylene up to 25 bar.
Every Arrestor 100% tested.

Benefits
- meets the requirements according to TRAC 207, clause 8.1 "Decomposition Arrestors in acetylene plants" and EN ISO 15615:2002, clause 6.4 "acetylene decomposition test".
- Conformity to the Code of practice (EIGA acetylene IGC Doc 123/04)
- single test from BAM
- protect from accidents during filling of acetylene gas cylinders
- a large surface area flame arrester [FA] of stainless steel construction:
  - stop dangerous decomposition of acetylene both-sided or only from one-side depending on version (see table)
- a spring loaded non-return valve [NV] prevents slow or sudden reverse gas flow forming explosive mixtures in the gas supply (option)
  - opening pressure approx. 60 mbar

Operation / Usage
- as a Decomposition Arrester for acetylene in high pressure pipe-lines for protection from filling equipment
- WITT Decomposition Arrestors may be mounted in any position / orientation
- the maximum ambient / working temperature is 70 °C / 158 °F

Maintenance
- it is recommended that an annual body leakage test is performed
- Decomposition Arrestors are only to be serviced by the manufacturer

Approvals
Company certified according to ISO 9001 and PED 2014/68/EU Module H

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<td>Acetylene (A) 25</td>
<td>Brass</td>
<td>EPDM</td>
<td>X</td>
<td>X</td>
<td>392</td>
<td>G 1/2 RH F</td>
<td>1/4&quot; NPT F</td>
<td>022-010</td>
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<td></td>
<td>X</td>
<td>X</td>
<td>356</td>
<td>G 1/4 RH M</td>
<td>G 1/4 F</td>
<td>022-011</td>
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<td>X</td>
<td>X</td>
<td>412</td>
<td>1/4&quot; NPT F</td>
<td>1/4&quot; NPT F</td>
<td>022-015</td>
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<td>X</td>
<td>–</td>
<td>385</td>
<td>G 1/2 RH M</td>
<td>W21.8x1/14 M</td>
<td>022-014</td>
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<td>392</td>
<td>5/8LH NEN 3268 Nr. 8</td>
<td>1/8&quot; NPT F</td>
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<td>–</td>
<td>392</td>
<td>M24x1 M</td>
<td>1/4&quot; NPT F</td>
<td>022-013</td>
<td>– X</td>
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Other connections available upon request

Example: Model 022-010
DECOMPOSITION ARRESTOR MGN
safety device

022-010

- Flow direction
- Acetylene decomposition (stops C₂H₂ decomposition from this direction)

022-011

- Flow direction

022-015

- Flow direction

022-014

- Flow direction

022-002

- Flow direction

022-013

- Flow direction

Approx. dimensions:
- 022-010: approx. 88.5 mm (3.48 inches)
- 022-011: approx. 85.5 mm (3.48 inches)
- 022-015: approx. 85 mm (3.35 inches)
- 022-014: approx. 70.5 mm (2.78 inches)
- 022-002: approx. 68 mm (2.68 inches)
- 022-013: approx. 76 mm (2.99 inches)
DECOMPOSITION ARRESTOR MGN
safety device

022-011

Flow diagram for air (20 °C / 68 °F)

Conversion factors:
Acetylene   x 1.04