

## Safety device: **ZFS-02**

### Type ZFS-02 for reliable protection against decomposition of acetylene

The safety device ZFS-02:

- passed the acetylene decomposition test by BAM
- avoids explosive gas mixtures in the gas supply by a gas non-return valve (NV)
- stops flashback through flame arrestor (FA)
- every safety device is 100% tested
- all metal components in brass/ chromium-nickel-steel

### Safety elements of the IBEDA Decomposition arrestor ZFS-02:

- NV Gas non-return valve
- FA Flame arrestor



### Maintenance:

The safety devices are to be tested by a qualified and authorised person at regular intervals according to country specific regulations. The safety device is to be tested for gas tightness, gas flow and gas return at least once a year.

It is not allowed to open the safety devices.

### Technical Data:

|                                      |   |                |                |
|--------------------------------------|---|----------------|----------------|
| <b>Gas-Types:</b>                    | Acetylene (A)   |                |                |
| <b>Working pressure:</b>             | 2,5 MPa<br>25,0 bar   |                |                |
| <b>Ambient/ working temperature:</b> | -20°C up to +70°C   |                |                |
| <b>Threads:</b>                      | 1/4NPT F <sup>3)</sup> / 1/4NPT F <sup>3)</sup><br>1/4NPT F <sup>3)</sup> / 1/4NPT M <sup>3)</sup>          |                |                |
| <b>Measure and weight:</b>           | diameter:   | length:        | weight:        |
|                                      | 30,0 mm   | 85,0/ 100,0 mm | 398,0/ 423,0 g |
| <b>Applications:</b>                 |   |                |                |
| <b>Usage:</b>                        | As a Decomposition Arrestor for acetylene in high pressure pipe-lines for protection from filling equipment |                |                |

<sup>3)</sup> F = Female, M = Male

### Certification/ Technical Standards/ Rules

TRBS German Technical rules for operation safety, DVS German Association for Welding, Cutting and Allied Processes, DGUV German Employer's liability insurance association rules and regulations.

### Standards/ Approvals

Company certified according to  
ISO 9001:2015 and ISO 14001:2015,  
CE-marking according to: Pressure Equipment Directive 2014/68/EU

(Subject to change without notice)