



Ø 62 mm (2.44 inches)

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

#### **Operation / Usage**

- Flashback Arrestors are used to protect gas cylinders and pipeline outlet points (hoses and any equipment) against dangerous reverse gas flow and flashbacks
- for pipeline outlets and single cylinders with high flows, for example, supply units for gas cutting machines
- 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 140°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

#### Approvals

#### Company certified according to ISO 9001

Designed for Oxygen Service in accordance with EIGA 13/20 and CGA G-4.4: Oxygen Pipeline and Piping Systems Cleaned for Oxygen Service in accordance with EIGA 33/18 and CGA G-4.1: Cleaning of Equipment for Oxygen Service Other gases and connections available upon request

|  | Model   |
|--|---|
| Safety devices                         | 85-20   |
| Flame arrestor FA                      | ✓   |
| Non-return valve NV                    | ✓   |
| Temperature sensitive cut-off valve TV | ✓   |
| Weight [oz]                            | 51.15   |
| Material                               | Brass (housing);<br>Stainless steel (flame arrestor);<br>Elastomer (seal) |
| Gases                                  | max. working pressure [PSI]   |
| Acetylene (A)                          | 29  |
| Natural gas (M)                        | 58  |
| LP (Propane)                           | 58  |
| Hydrogen (H)                           | 58  |
| MPS (Y)                                | 58  |
| Connections                            | Part No.  |
| 1/2" NPT / <b>F</b> *                  | 149-003   |
| 3/4" NPT / <b>F</b> *                  | 149-006   |
| 1" NPT / <b>F*</b>                     | 149-017   |
| Gases                                  | max. working pressure [PSI]   |
| Oxygen (O)                             | 232   |
| Connections                            | Part No.  |
| 1/2" NPT / <b>F</b> *                  | 149-003   |
| 3/4" NPT / <b>F</b> *                  | 149-006   |
| 1" NPT / <b>F</b> *                    | 149-017   |

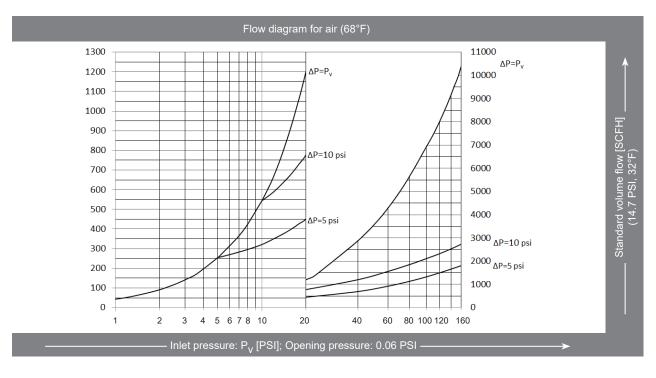
#### F\* = two-sided female thread

## **FLASHBACK ARRESTOR 85-20**



### 85-20

| Conversion facto | rs:    |
|------------------|--------|
| Acetylene        | x 1.04 |
| Butane           | x 0.68 |
| Natural Gas      | x 1.25 |
| Methane          | x 1.33 |
| LP (Propane)     | x 0.80 |
| Oxygen           | x 0.95 |
| Hydrogen         | x 3.75 |
| MPS              | x 0.83 |



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