

FLASHBACK ARRESTOR 85-20



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

Safety devices	Model
	85-20
Flame arrestor [FA]	✓
Non-return valve [NV]	✓
Temperature sensitive cut-off valve [TV]	✓
Weight [oz]	51.15
Material	Brass (housing); Stainless steel (flame arrestor); 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 / F*	149-003
3/4" NPT / F*	149-006
1" NPT / F*	149-017
Gases	max. working pressure [PSI]
Oxygen (O)	232
Connections	Part No.
1/2" NPT / F*	149-003
3/4" NPT / F*	149-006
1" NPT / F*	149-017

F* = two-sided female thread

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Conversion factors:

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

