

FLASHBACK ARRESTOR 85-30



WITT Flashback Arrestors for reliable protection against dangerous reverse gas flow and flashbacks according to EN 730-1 / ISO 5175, UL 1357/1358. 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 entering the device in any direction
- 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
- a filter at the gas inlet protects the arrestor against dirt contamination, extending the service life

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 158°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; the dirt filter may be replaced by competent staff

Approvals

Company certified according to ISO 9001

Other connections available upon request

Safety devices	Model	
	85-30	
UL listed / BAM certified	UL 20110503-MH10017; BAM/ZBA/003/04	
Flame arrestor [FA]	X	
Non-return valve [NV]	X	
Temperature sensitive cut-off valve [TV]	X	
Weight [oz]	162	
Material	Brass (housing); Stainless steel (flame arrestor); Elastomer (seal)	
Gases	max. working pressure [PSI]	
	UL	BAM
Acetylene (A)	15	21
Natural gas (M)	50	72
LP (Propane)	50	50
Hydrogen (H)	50	58
MPS (Y)	50	–
Connections	Part No.	
	1/2" NPT F	147-083F-UL
	3/4" NPT F	147-081F-UL
	1" NPT F	147-072F-UL
Gases	max. working pressure [PSI]	
	UL	BAM
Oxygen (O)	150	435
Connections	Part No.	
	1/2" NPT F	147-083O-UL
	3/4" NPT F	147-081O-UL
	1" NPT F	147-072O-UL

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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

