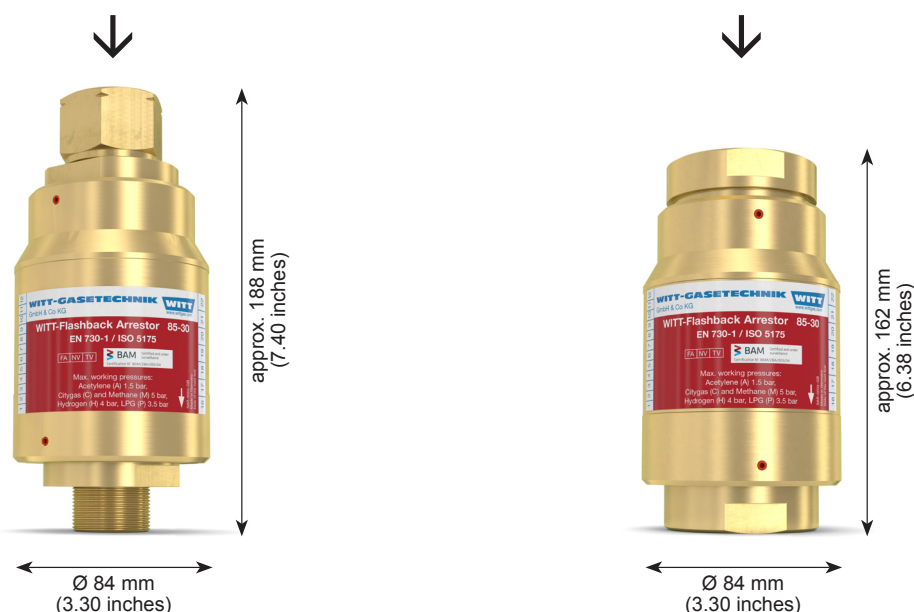


FLASHBACK ARRESTOR 85-30



WITT Flashback Arrestors for reliable protection against dangerous reverse gas flow and flashbacks according 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 entering the device in any direction
- a temperature sensitive cut-off valve [TV] extinguishes sustained flashbacks long before the internal temperature of the arrestors 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 users 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 70 °C / 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 and PED 2014/68/EU Module H
CE-marked according to:

- PED 2014/68/EU

Cleaned for Oxygen Service according to:

- EIGA IGC Doc 13/12/E: Oxygen Pipeline and Piping Systems

Other connections available upon request

	Model		
Safety devices	85-30		
Certification BAM	BAM/ZBA/003/04		
Flame arrestor [FA]	✓		
Non-return valve [NV]	✓		
Temperature sensitive cut-off valve [TV]	✓		
Weight [g]	4 580		
Material	Housing - Brass; Flame arrestor - Stainless steel; Seal - Elastomer		
Gases	max. working pressure [bar]		
Acetylene (A)	1.5	1.5	–
Natural gas (M)	5.0	5.0	–
LPG (P)	3.5	3.5	–
Hydrogen (H)	4.0	4.0	–
Ethylene (E)*	4.0	4.0	–
Oxygen (O)	25.0	–	25.0
Compressed air (D)	25.0	–	25.0
Connections	Order-No.		
3/4" NPT F	147-081	–	–
1" NPT F	147-072	–	–
G 1.1/2 RH F	147-069	–	–
G 3/4 LH	–	147-001	–
G 1 LH	–	147-003	–
G 3/4 RH	–	–	147-065
G 1 RH	–	–	147-068

* no Certification BAM

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Conversion factors:

Acetylene	x 1.04
Butane	x 0.68
Ethylene	x 1.02
Natural Gas	x 1.25
Methane	x 1.33
Propane	x 0.80
Oxygen	x 0.95
Town gas	x 1.54
Hydrogen	x 3.75

Flow diagram for air (20 °C / 68 °F)

