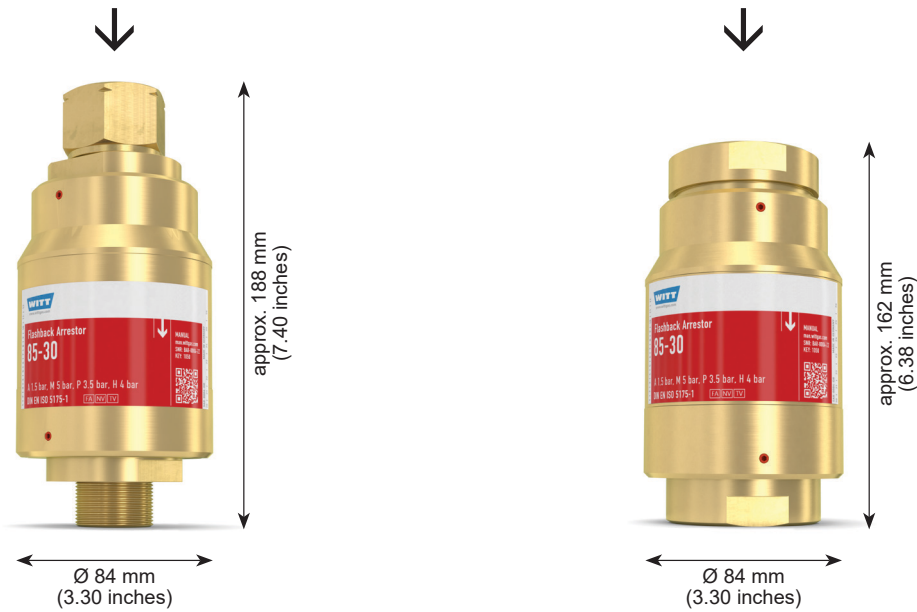


FLASHBACK ARRESTOR 85-30



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 arrester [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 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 60 °C / 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; 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

Designed for Oxygen Service in accordance with EIGA 13/20, CGA G-4.4 and AIGA 021/20: Oxygen Pipeline and Piping Systems

Cleaned for Oxygen Service in accordance with EIGA 33/18, CGA G-4.1 and AIGA 012/19: Cleaning of Equipment for Oxygen Service

Other connections available upon request

Safety devices	Model			
	85-30			
Flame arrester [FA]	✓			✓
Non-return valve [NV]	✓			✓
Temperature sensitive cut-off valve [TV]	✓			✓
Weight [g]	approx. 4 580			
Material	Housing - Brass; Flame arrester - Stainless steel; Seal - Elastomer			
Gases	max. working pressure [bar]			
Acetylene (A)	–	–	–	1.5
Town gas (C)	–	5.0	–	–
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.			
1/2" NPT F	147-083	–	–	147-119
3/4" NPT F	147-081	–	–	147-120
1" NPT F	147-072	–	–	147-121
G 1.1/2 RH F	147-069	–	–	147-116
G 3/4 LH	–	147-001	–	147-117
G 1 LH	–	147-003	–	147-118
G 3/4 RH	–	–	147-065	–
G 1 RH	–	–	147-068	–

FLASHBACK ARRESTOR 85-30



85-30

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

