

FLASHBACK ARRESTORS

stainless steel



RF85-20N



**85-30
RF85-30N/H**



WITT Flashback Arrestors for reliable protection against dangerous reverse gas flow and flashbacks according to DIN EN ISO 5175-1. Every Arrester 100% tested.



Benefits

- 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 forming explosive mixtures in the gas supply
- a filter at the gas inlet protects the arrester 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
- ideal for use with corrosive gases in the chemical industry, process technology or in the laboratory area
- 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 Arrester
- 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
 CE-marked according to:
 - PED 2014/68/EU
 Other connections available upon request

Cleaned for Oxygen Service according to:

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

Safety devices	RF85-20N*	85-30	RF85-30N/H*
Certification BAM	–	✓	–
Flame arrester [FA]	✓	✓	✓
Non-return valve [NV]	✓	✓	✓
Temperature sensitive cut-off valve [TV]	✓	✓	✓
Weight [g]	1584	4455	4344
Material	Housing – Stainless steel; Flame arrester – Stainless steel; Seal – Elastomer		
Gases	max. working pressure [bar]		
Acetylene (A)	2,0	1,5	–
Natural gas (M)	4,0	5,0	8,0
LPG (P)	4,0	3,5	5,0
Hydrogen (H)	4,0	4,0	11,0
Ethylene (E)	4,0	4,0*	–
Oxygen (O)	16,0	25,0	–
Compressed air (D)	16,0	25,0	–
Connections	Order-No.		
1/2" NPT F	149-009	–	–
3/4" NPT F	149-031	147-071	147-039
1" NPT F	149-029	147-092	147-047

* no Certification BAM

Note: The models RF85-20N and 85-30 are suitable for fuel gas and oxygen.

FLASHBACK ARRESTORS

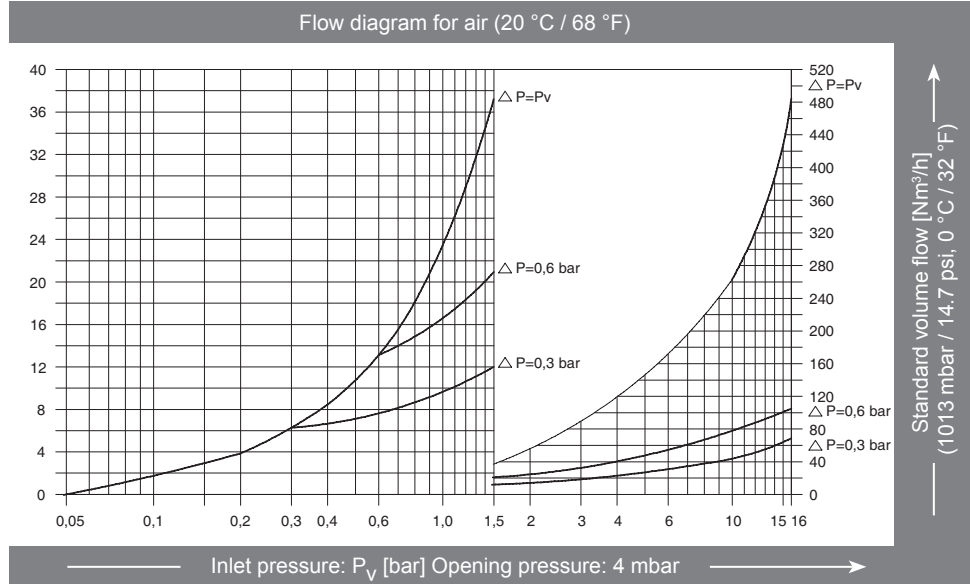
stainless steel



RF85-20N

Conversion factors:

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

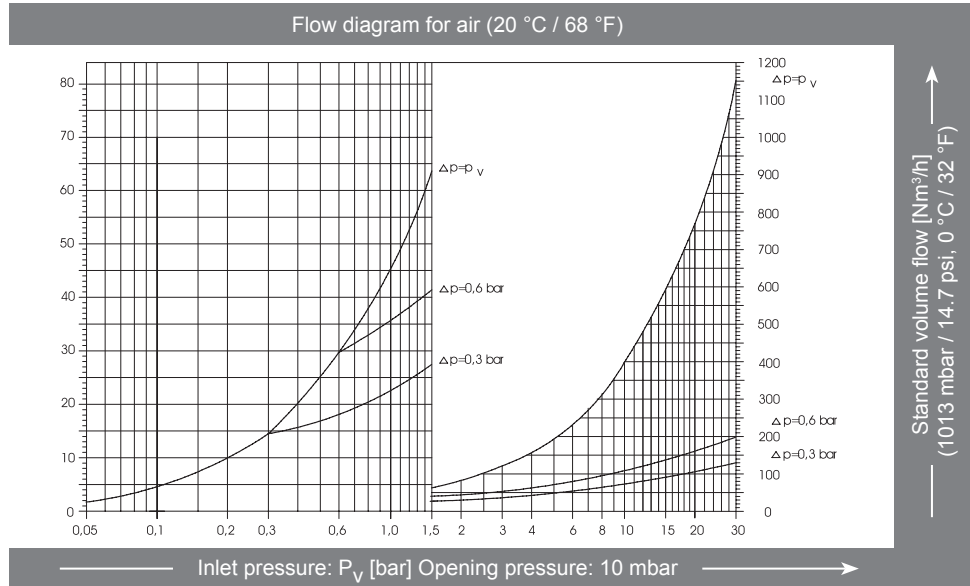


85-30

147-027
147-071

Conversion factors:

Acetylene	x 1.04
Butane	x 0.68
Natural Gas	x 1.25
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Methane	x 1.33
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RF85-30N/H

147-039
147-047

Conversion factors:

Acetylene	x 1.04
Butane	x 0.68
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

