

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, UL 1357/1358. Every Arrester 100% tested.



Benefits

- a large surface area flame arrester [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 arrester 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 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 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
UL listed / BAM certified	–	X	–
Flame arrester [FA]	X	X	X
Non-return valve [NV]	X	X	X
Temperature sensitive cut-off valve [TV]	X	X	X
Weight [oz]	56	157	153
Material	Housing – Stainless steel; Flame arrester – Stainless steel; Seal – Elastomer		
Gases	max. working pressure [PSI]		
		UL	BAM
Acetylene (A)	29	15	21
Natural gas (M)	58	50	72
LP (Propane)	58	50	50
Hydrogen (H)	58	50	58
Oxygen (O)	232	150	363
Connections	Part 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

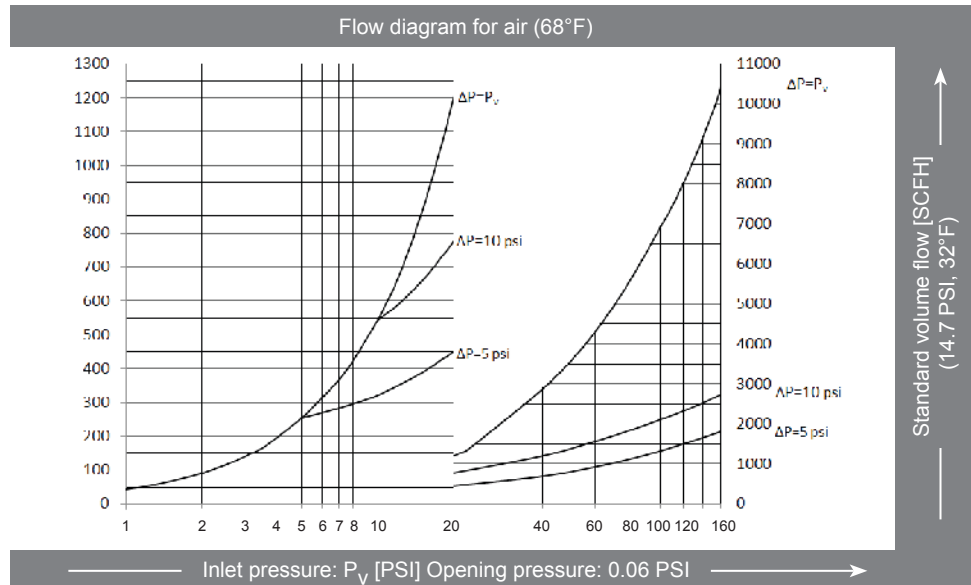
stainless steel



RF85-20N

Conversion factors:

Acetylene	x 1.04
Butane	x 0.68
Natural Gas	x 1.25
Methane	x 1.33
LP (Propane)	x 0.80
Oxygen	x 0.95
Hydrogen	x 3.75

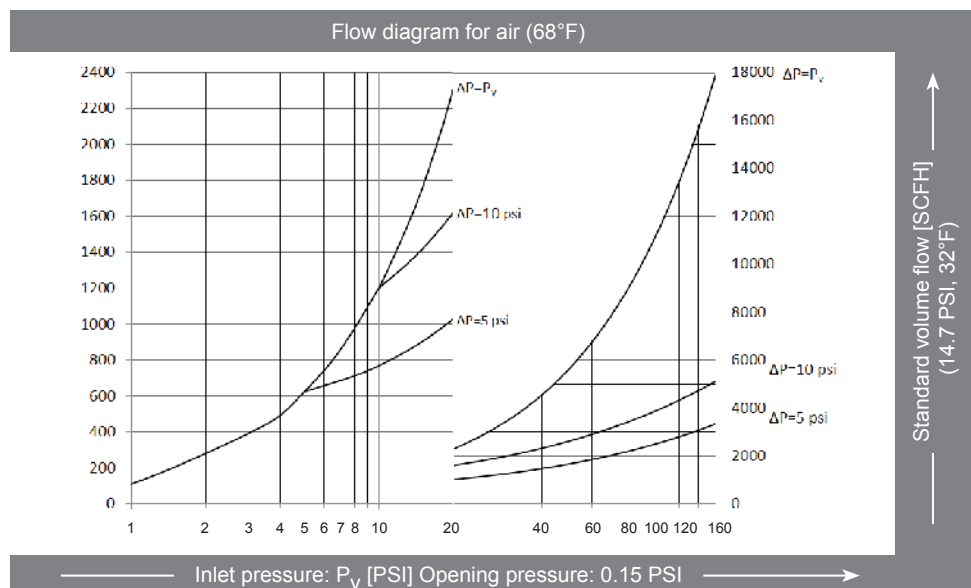


85-30

147-027
147-071

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RF85-30N/H

147-039
147-047

Conversion factors:

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Natural Gas	x 1.25
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