

FLASHBACK ARRESTORS

stainless steel



RF85-20N-ES



**RF85-30N-ES
RF85-30N/H-ES**



WITT Flashback Arrestors for reliable protection against dangerous reverse gas flow and flashbacks according to EN 730-1, ISO 5175, 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 97/23/EC
 Other connections available upon request

Safety devices	Model ...-ES			
	RF85-20N*	RF85-30N	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	116
LP (Propane)	58	50	50	72
Hydrogen (H)	58	50	58	159
Oxygen (O)	232	150	435	–
Connections	Part No.			
1/2" NPT F	149-009	–	–	
3/4" NPT F	–	147-071	147-039	
1" NPT F	–	147-092	147-047	

* no Certification BAM

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

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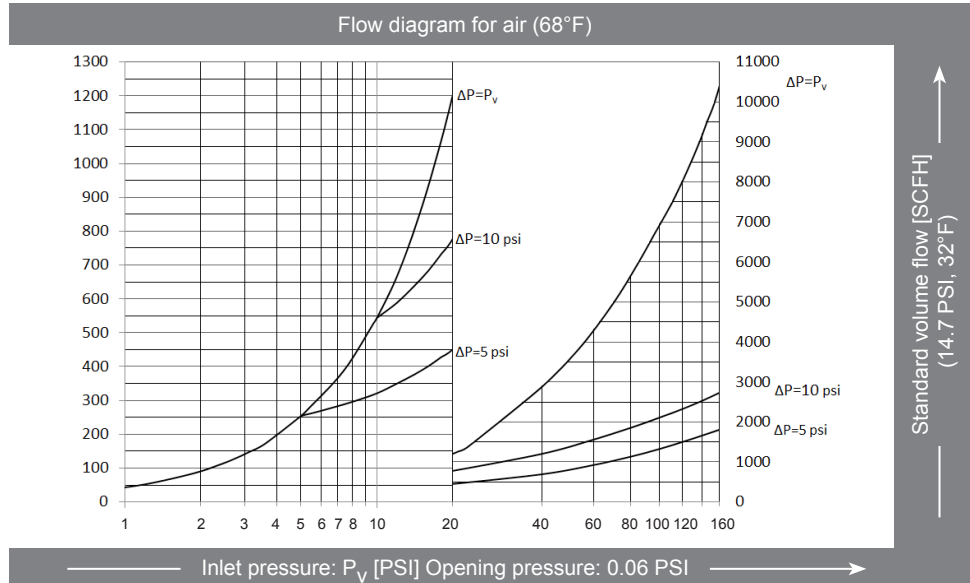
stainless steel



RF85-20N-ES

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

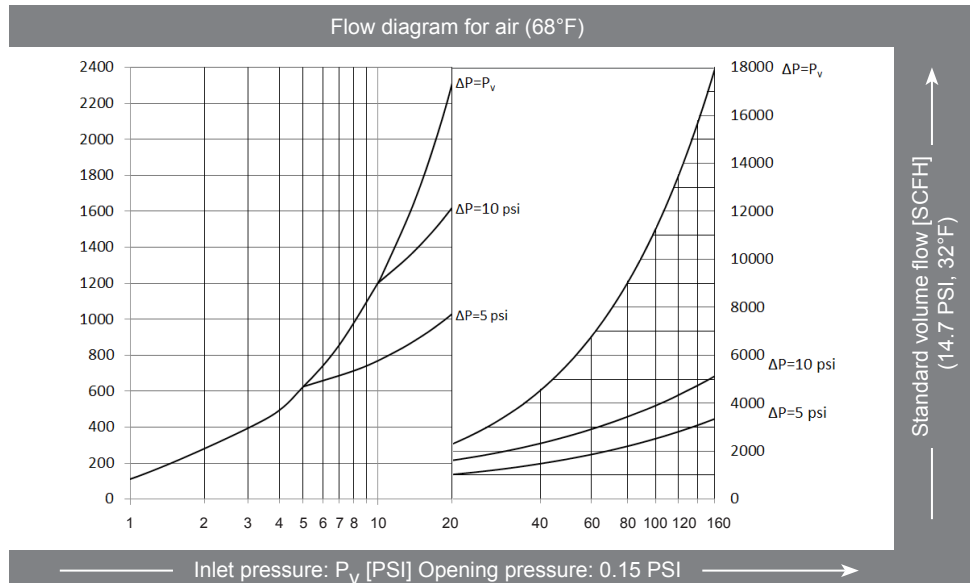


RF85-30N-ES

147-027
147-071

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



RF85-30N/H-ES

147-039
147-047

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

