

# 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 Arrestor 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 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 Arrestor
- 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*
<b>BAM certified</b>	–	✓	–
<b>Flame arrester [FA]</b>	✓	✓	✓
<b>Non-return valve [NV]</b>	✓	✓	✓
<b>Temperature sensitive cut-off valve [TV]</b>	✓	✓	✓
<b>Weight [oz]</b>	56	157	153
<b>Material</b>	Housing – Stainless steel; Flame arrester – Stainless steel; Seal – Elastomer		
<b>Gases</b>	max. working pressure [PSI]		
Acetylene (A)	29	21	–
Natural gas (M)	58	72	116
LP (Propane)	58	50	72
Hydrogen (H)	58	58	159
Oxygen (O)	232	363	–
<b>Connections</b>	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.**

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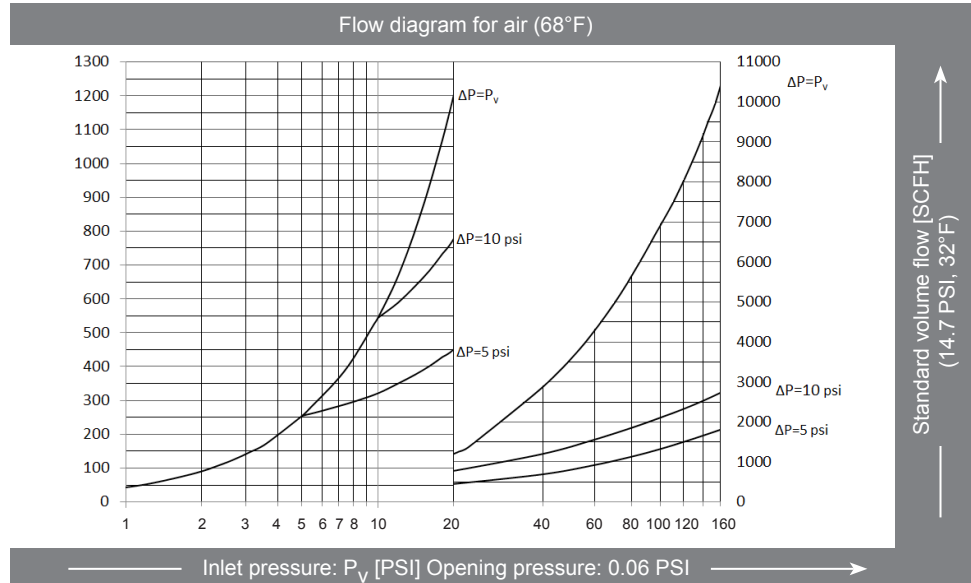
## stainless steel



### 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

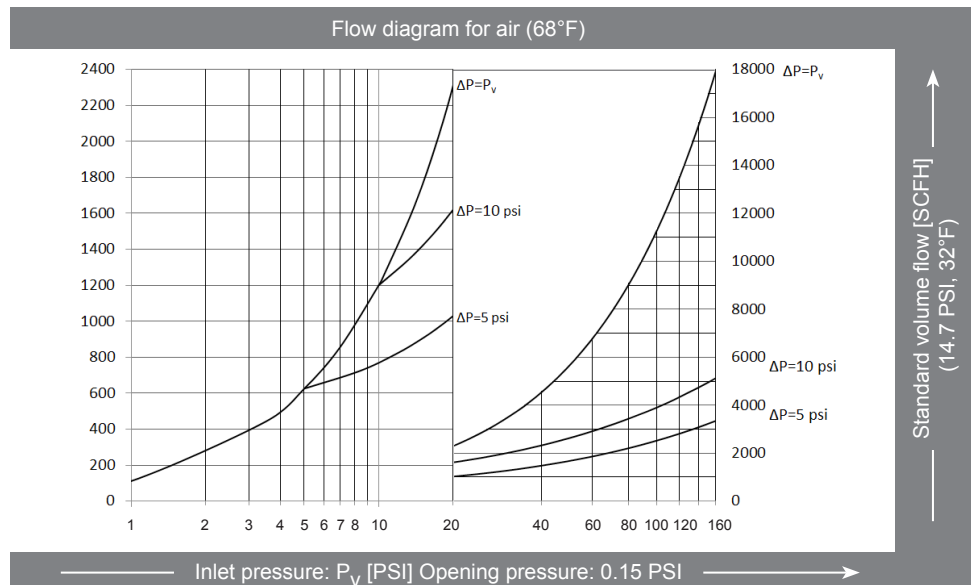


### 85-30

147-027  
147-071

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

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

