

FLASHBACK ARRESTORS

stainless steel



F85-10N-ES /
F85-10N/H-ES

RF85-10N-ES /
RF85-10N/H-ES



RF85-10N-ES VCR
RF85-10N/H-ES VCR



WITT Flashback Arrestors for reliable protection against dangerous reverse gas flow and flashbacks according to EN 730-1 / ISO 5175.
Every Arrestor 100% tested.



The best Flashback Arrestors in the world

- a large surface area flame arrestor [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 arrestor against dirt contamination. extending the service life (only RF85-10N-ES)

Operation / Usage

- Flashback Arrestors are used to protect gas cylinders and pipeline outlet points (hoses and any equipment) with high flow against dangerous reverse gas flow (RF85-10N-ES) and flashbacks
- without non-return valve (F85-10N-ES) for lower working pressures with low pressure drop i.e. before and after analysers
- ideal for use with corrosive gases in the chemical industry, process technology or in the laboratory area
- WITT Flashback Arrestors may be mounted in any position / orientation
- 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
Other connections available upon request

Safety devices	Model ...-ES			
	RF85-10N	F85-10N	RF85-10NH	F85-10N/H
Flame arrestor [FA]	X	X	X	X
Non-return valve [NV]	X	–	X	–
Temperature sensitive cut-off valve [TV]	X	X	X	X
Weight [g]	385	385	385	385
Certification BAM	BAM/ZBA/003/04			
Material	Housing – Stainless steel; Flame arrestor – Stainless steel; Seal – Elastomer			
Gases	max. working pressure [bar]			
Acetylene (A)	1,5	1,5	–	–
Natural gas (M)	5,0	5,0	10,0	10,0
LPG (P)	5,0	5,0	5,0	5,0
Hydrogen (H)	4,0	4,0	10,0	10,0
Ethylene (E)	5,0*	5,0*	5,0	5,0
Oxygen (O)	30,0	30,0	–	–
Compressed air (D)	30,0	30,0	–	–
Connections	Order-No.			
1/4" NPT F	143-061	143-149	143-077	143-100
3/8" NPT F	143-119	143-198	143-087	–
9/16"-18UNF VCR	143-163	–	–	–
7/8"-14UNF VCR	143-134	–	143-076	–

* no Certification BAM

Note: The models RF85-10N and F85-10N are suitable for fuel gas and oxygen.

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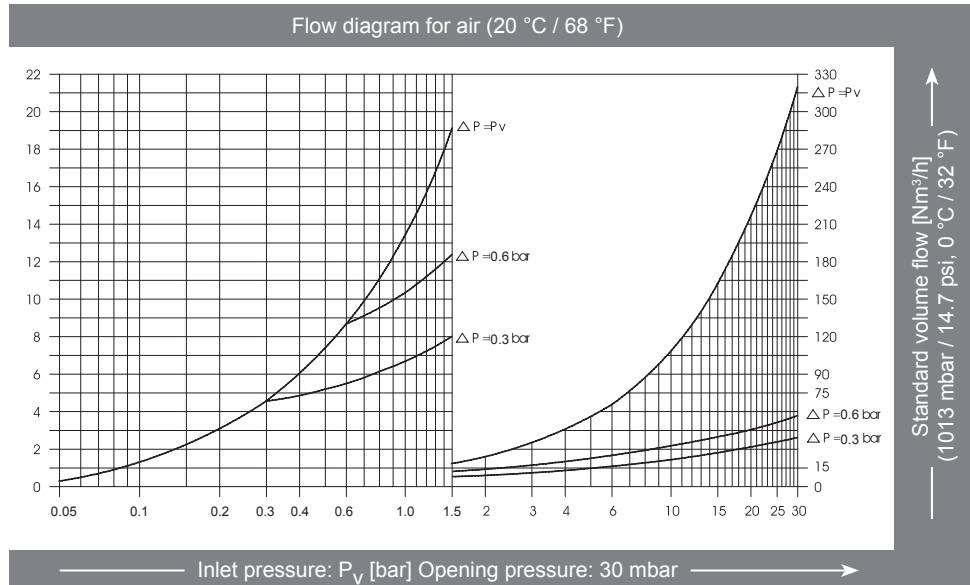
RF85-10N-ES

RF85-10N-ES VCR

- 143-031
- 143-048
- 143-061
- 143-069
- 143-101
- 143-119
- 143-134
- 143-163

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

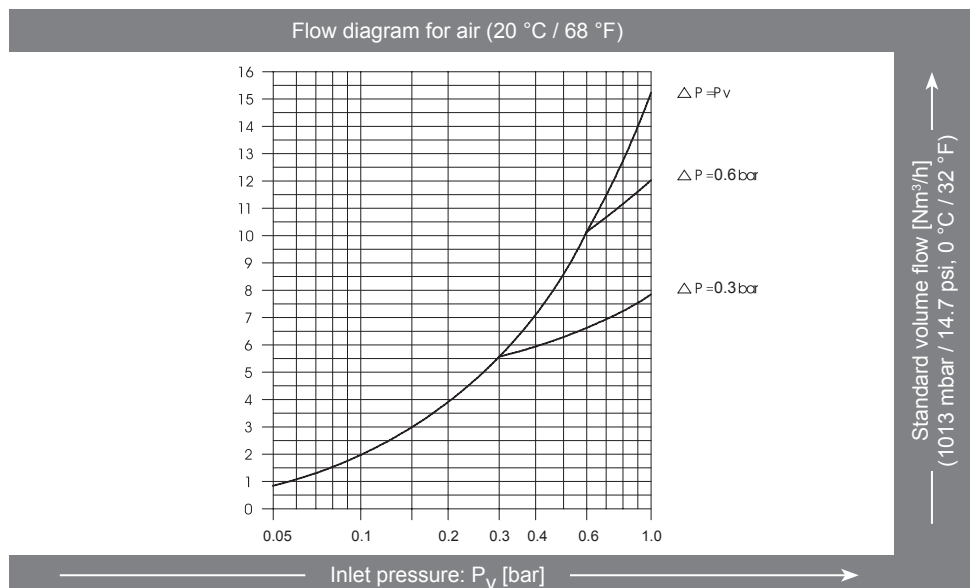


F85-10N-ES

- 143-028
- 143-122
- 143-149
- 143-198

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
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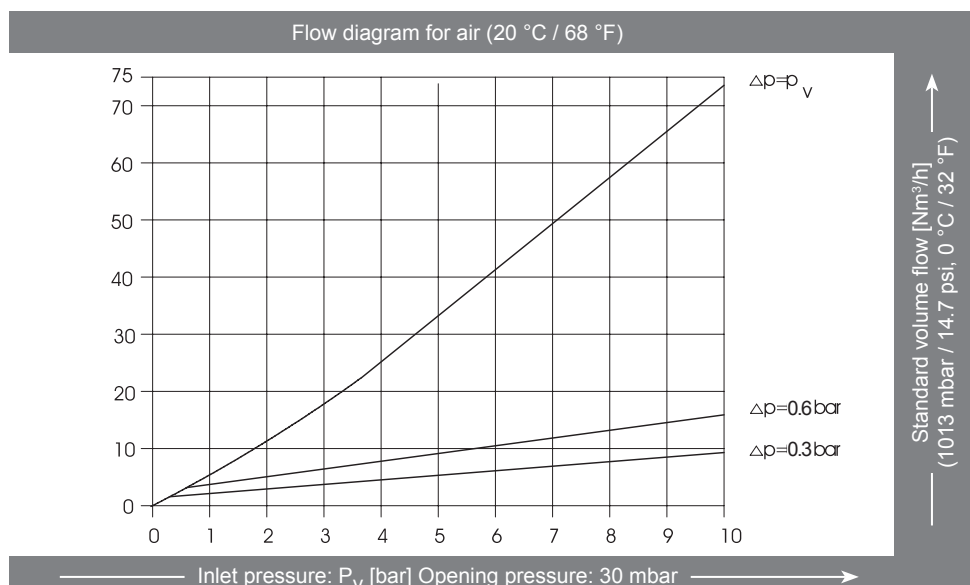


RF85-10N/H-ES

- 143-076
- 143-077
- 143-087

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



ST10 - D01/E5 subject to change