

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 / ISO 5175-1 Every Arrestor 100% tested.



Benefits

- a large surface area flame arrestor [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 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

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 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 9001:2000 and ISO 14001 CE-marked according to:
- PED 97/23/EC
Other connections available on request

Safety devices	Model		
	RF85-20 N-ES	RF85-30 N-ES	RF85-30 N/H-ES
Approval BAM	–	X	–
Flame arrestor [FA]	X	X	X
Non-return valve [NV]	X	X	X
Temperature sensitive cut-off valve [TV]	X	X	X
Weight [g]	1584	4455	4344
Material	Housing – Stainless steel; Flame arrestor – Stainless steel; Seal – Elastomer		
Gases	max. working pressure [bar]		
Acetylene (A)	2.0	1.5	–
Town gas (C)	4.0	5.0	–
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	–
Connections	Order-No.		
1/2" NPT F	149.009	–	–
3/4" NPT F	–	147.027	147.039
1" NPT F	–	–	147.047
Gases	max. working pressure [bar]		
Oxygen (O)	16.0	30.0	–
Compressed air (D)	16.0	30.0	–
Connections	Order-No.		
1/2" NPT F	149.009	–	–
3/4" NPT F	–	147.071	–

Product Information / Technical Data

C01/A1 subject to change

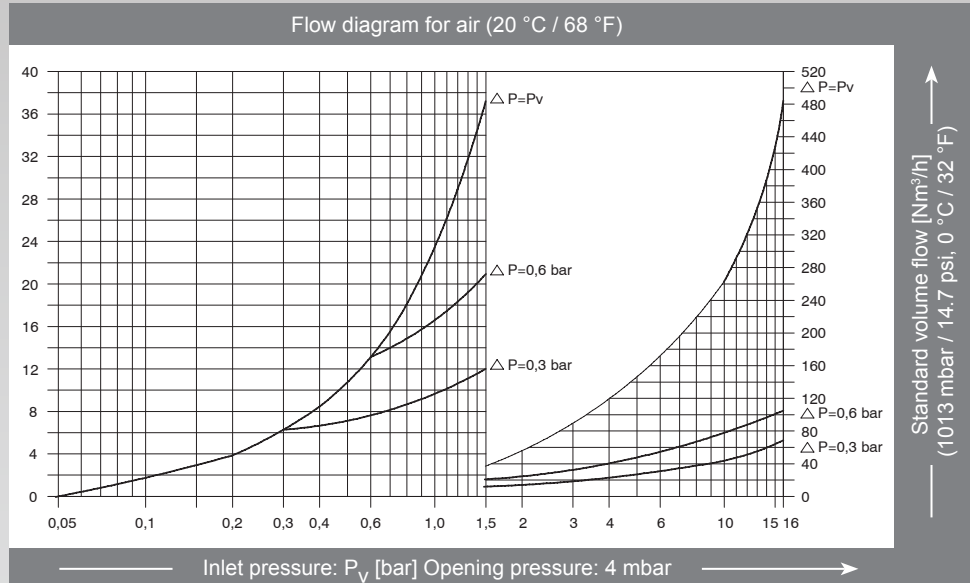
SAFETY DEVICES

www.wittgas.com

RF85-20N-ES

Conversion factors:

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

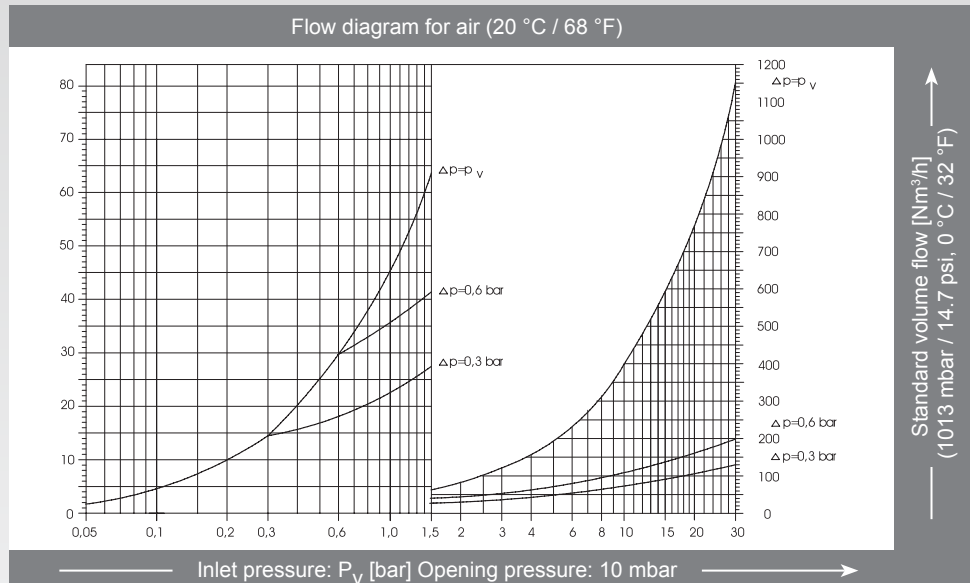


RF85-30N-ES

147.027
147.071

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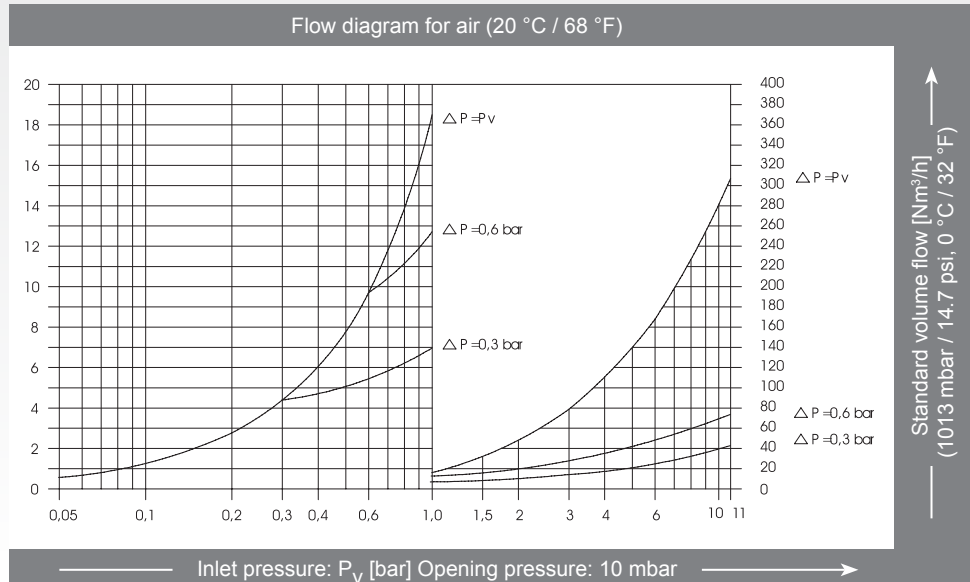


RF85-30N/H-ES

147.039
147.047

Conversion factors:

Acetylene	x 1.04
Butane	x 0.68
Natural Gas	x 1.25
Methan	x 1.33
Propane	x 0.80
Oxygen	x 0.95
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Technical Data

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