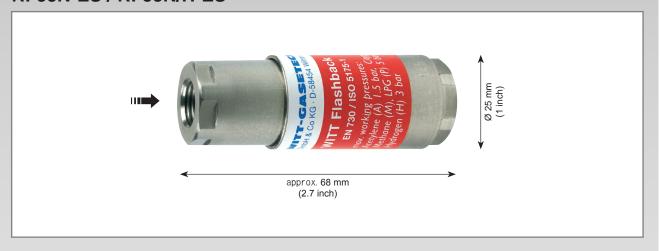


F53N-ES / F53N/H-ES RF53N-ES / RF53N/H-ES



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

The best Flashback Arrestors in the world **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 (RF53N-ES)

Operation / Usage

- Flashback Arrestors are used to protect gas cylinders and pipeline outlet points (hoses and any equipment) against dangerous reverse gas flow (RF53N-ES) and flashbacks
- without non-return valve (F53N-ES) for lower working pressures 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

Product Information / Technical Data

- 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 on request

	ModelES			
Safety device	F53N	F53N/H	RF53N	RF53N/H
Flame arrestor FA	Х		Х	
Non-return valve NV	_		Х	
Temperature sensitive cut-off valve TV	X		X	
Weight [g]	181		195	
Approval BAM	BAM/ZBA/003/04			
Material	Housing – Stainless steel; Flame arrestor – Stainless steel; Seal – Elastomer			
Gases	max. working pressure [bar]			
Acetylene (A)	_	_	1.5	
Town gas (C)	5.0	_	5.0	_
Natural gas (M)	5.0	12.0	5.0	12.0
LPG (P)	5.0	8.0	5.0	8.0
Hydrogen (H)	3.0	9.0	3.0	10.0
Ethylene (E)	_	9.0	_	9.0
Connections	Order-No.			
1/4" NPT F	145-059	145-106	145-001	145-107
3/8" NPT F	_	_	145-031	145-121
Gases	max. working pressure [bar]			
Oxygen (O)	30,0	_	30,0	_
Compressed air (D)	30,0	_	30,0	_
Connections	Order-No.			
1/4" NPT F	145-157	_	145-116	
3/8" NPT F	-	_	145-024	_

A01/J2 subject to change

ST8



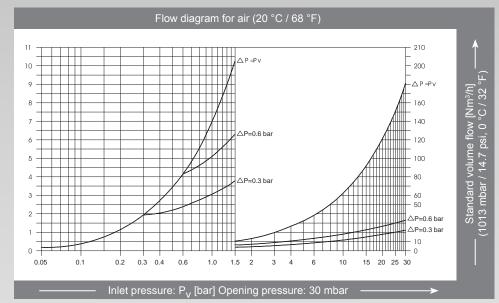
SAFETY DEVICES

RF53N-ES

145-001 145-031 145-116 145-024

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 x 1.54 Town gas Hydrogen x 3.75

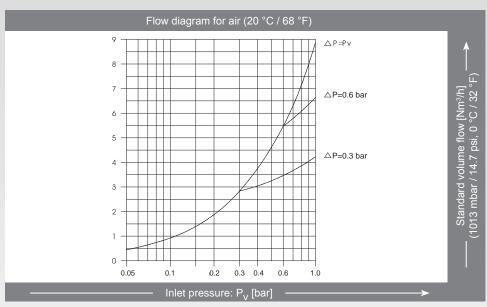


F53N-ES

145-059 145-157

Conversion factors:

Acetylene x 1.04 Butane x 0.68 Natural gas x 1.25 Methane x 1.33 Propane x 0.80 x 0.95 Oxygen Town gas x 1.54 Hydrogen x 3.75

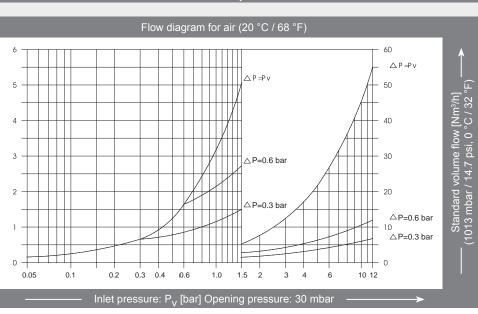


RF53N/H-ES

145-107 145-121

Conversion factors:

Convendient lactore.			
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		



A01/J2 subject to change

Technical Data