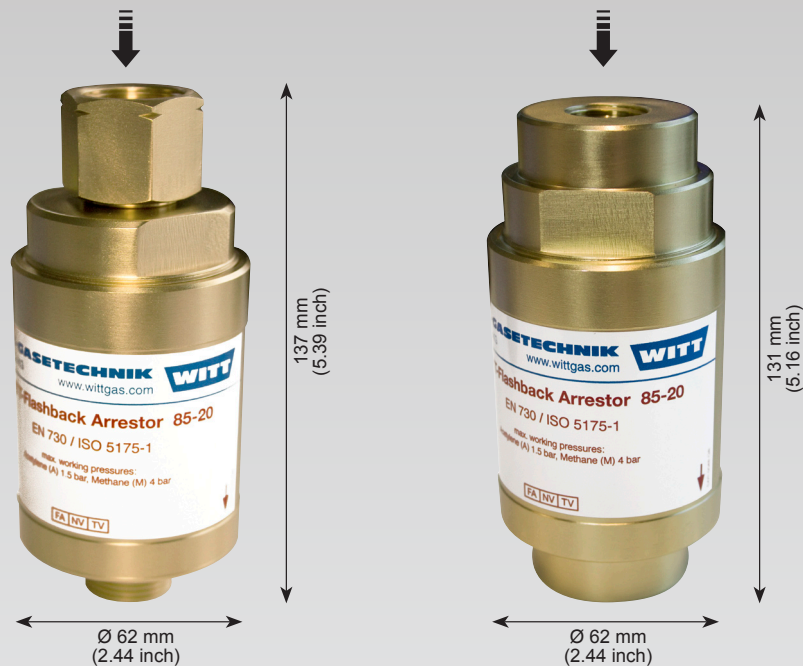


85-20



**WITT Flashback Arrestors for reliable protection against dangerous reverse gas flow and flashbacks according to EN 730 / ISO 5175-1. 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

**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
- 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

**Approvals**

Company certified according to ISO 9001:2000, ISO 14001 and PED 97/23/EC module H  
 CE-marked according to:  
 - PED 97/23/EC

Product Information

Technical Data

Model	Max. working pressure [bar]	Material	Weight [g]	Length [inch]	Connection EN560 [Zoll]	Order-No.	
85-20	Acetylene (A) 1.5	Brass Elastomer	1.450	5.16	G 1/2 RH / F*	149.002	
	Natural Gas (M) 4.0				G 1/2 NPT / F*	149.003	
	Oxygen (O) 16.0				G 1 RH / F*	149.004	
	Compressed air (D) 16.0		1.400	5.39	G 3/4 LH	149.001	
	Acetylene (A) 1.5				projected		
	Natural Gas (M) 4.0						
Hydrogen (H)							
Ethylene (E)							
Propane (P)							

F\* = two-sided female thread  
 Other gases and connections available on request

Flow table for air (20 °C / 68 °F)

Model	Inlet pressure: P <sub>V</sub> [bar] Opening pressure: 4 mbar	Standard volume flow [Nm <sup>3</sup> /h] (1013 mbar / 14.7 psi, 0 °C / 32 °F)
<b>85-20</b>	0.5	11.6
	1.0	26.2
	1.5	43.5
	2.5	85.2
	4.0	135.4

Conversion factors:

- Butane x 0.68
- Natural Gas x 1.25
- Methane x 1.33
- Propane x 0.80
- Town gas x 1.54
- Hydrogen x 3.75