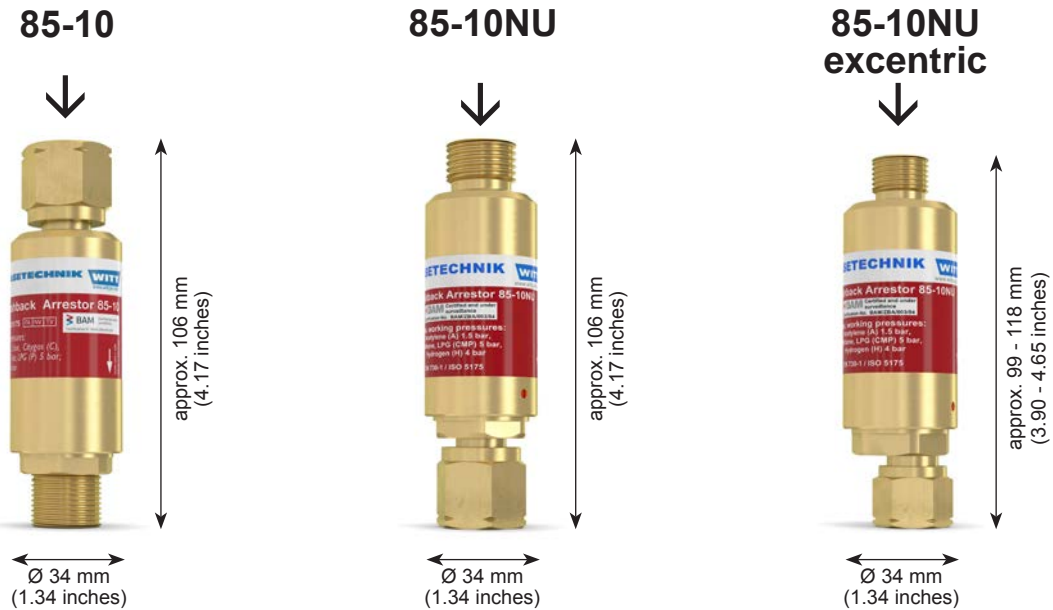


# FLASHBACK ARRESTOR 85-10



**WITT Flashback Arrestors for reliable protection against dangerous reverse gas flow and flashbacks according to EN 730-1, ISO 5175, UL 1357/1358. 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 entering the device in any direction
- a temperature sensitive cut-off valve [TV] extinguishes sustained flashbacks long before the internal temperature of the arrestor 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 arrestor against dirt contamination, extending the service life (Model 85-10 only)

### 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 flows, for example, supply units for gas cutting machines: Model 85-10

- for torches or burners with high flow: Models 85-10NU and 85-10NU excentric = excentric/offset outlet
- 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 according to model by competent staff

### Approvals

Company certified according to ISO 9001  
 Cleaned for Oxygen Service according to:  
 - EIGA IGC Doc 13/12/E: Oxygen Pipeline and Piping Systems

Safety devices	Model		
	85-10	85-10NU	85-10NU excentric
Flame arrestor [FA]	X	X	X
Non-return valve [NV]	X	X	X
Temperature sensitive cut-off valve [TV]	X	X	X
Weight [oz]	15.31	15.31	14.71
UL listed / BAM certified	UL 20110503-MH10017; BAM/ZBA/003/04		
Material	Brass (housing); Stainless steel (flame arrestor); Elastomer (seal)		

# FLASHBACK ARRESTOR 85-10



	Model						
	85-10		85-10NU		85-10NU excentric		
<b>Gases</b>	max. working pressure [PSI]						
	UL	BAM	UL	BAM	UL	BAM	
	Acetylene (A)	15	21	15	21	15	21
	Natural gas (M)	50	72	50	72	50	72
	LP (Propane)	50	72	50	72	50	72
	Hydrogen (H)	50	58	50	58	50	58
MPS (Y)	50	–	50	–	50	–	
<b>Connections</b>	Part No.						
1/4" NPT F	143-323F-UL		–		–		
3/8" NPT F	143-105F-UL		–		–		
9/16" - 18 UNF LH (B-size)	143-009-UL		143-245-UL		143-131-UL		
	Model						
	85-10		85-10NU		85-10NU excentric		
<b>Gases</b>	max. working pressure [PSI]						
	UL	BAM	UL	BAM	UL	BAM	
	Oxygen (O)	150	435	150	435	150	435
	<b>Connections</b>	Part No.					
	1/4" NPT F	143-323O-UL		–		–	
	3/8" NPT F	143-105O-UL		–		–	
9/16" - 18 UNF RH (B-size)	143-022-UL		143-244-UL		143-132-UL		

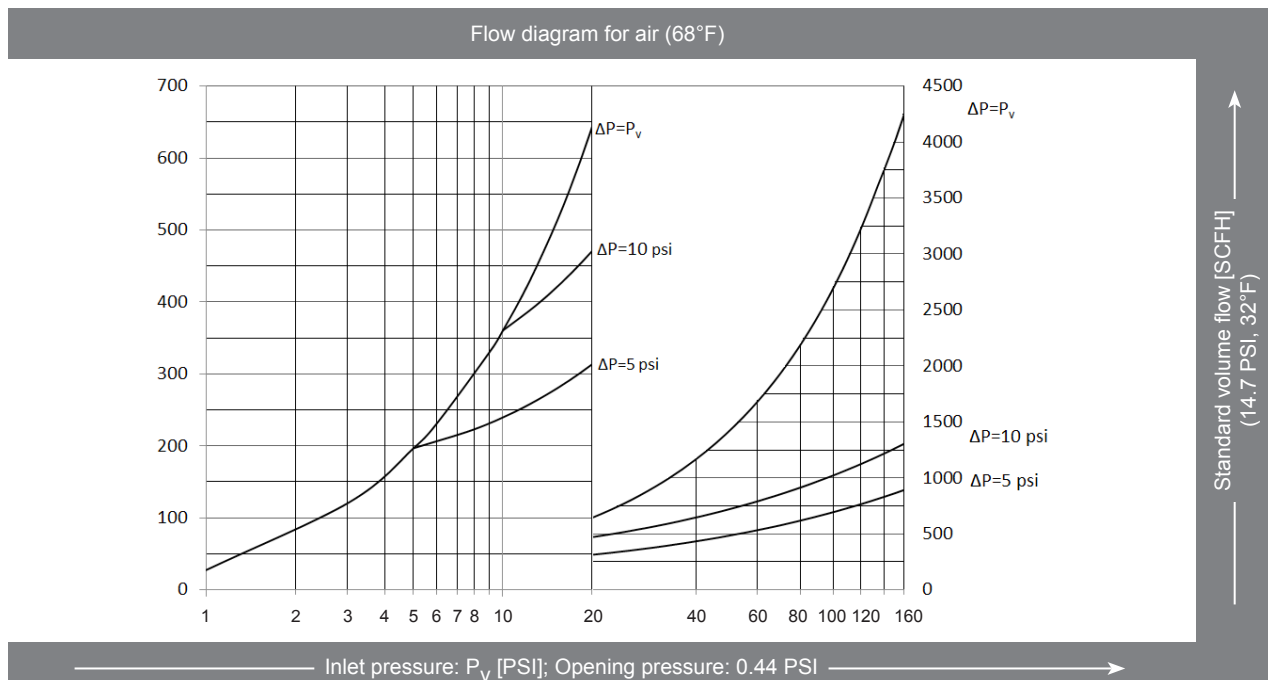
Other connections available upon request

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
MPS	x 0.83

## 85-10 85-10NU 85-10NU excentric

Flow diagram for air (68°F)



ST9 USA - G01/E6 subject to change