

SAFETY DEVICES

www.wittgas.com



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

- 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) also in thermal processing systems against dangerous reverse gas flow and flashbacks

- 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

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. 270N	Order-No. 270NU	
270N 270NU*	Town gas (C), Natural Gas, Methane (M)	Brass Elastomer	1.400	5.39	G 3/4 RH	123.038	123.046	
			1.450	5.16	G 1/2 RH / F*	123.054	-	
			1.500	5.75	G 1 RH	123.041	123.047	
			1.400	5.16	G 1 RH / F*	123.057	-	
			1.600	5.87	G 1.1/4 RH	123.039	123.048	
			1.700	6.30	G 1.1/2 RH	123.040	123.049	
	LPG (P)		2.0	1.400	5.39	G 3/4 LH		123.050
				1.500	5.75	G 1 LH		123.051
				1.600	5.87	G 1.1/4 LH		123.052
				1.700	6.30	G 1.1/2 LH		123.053
Hydrogen (H)	1.5							

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

U* = changed flow direction, from female to male

G9 subject to change

SAFETY DEVICES

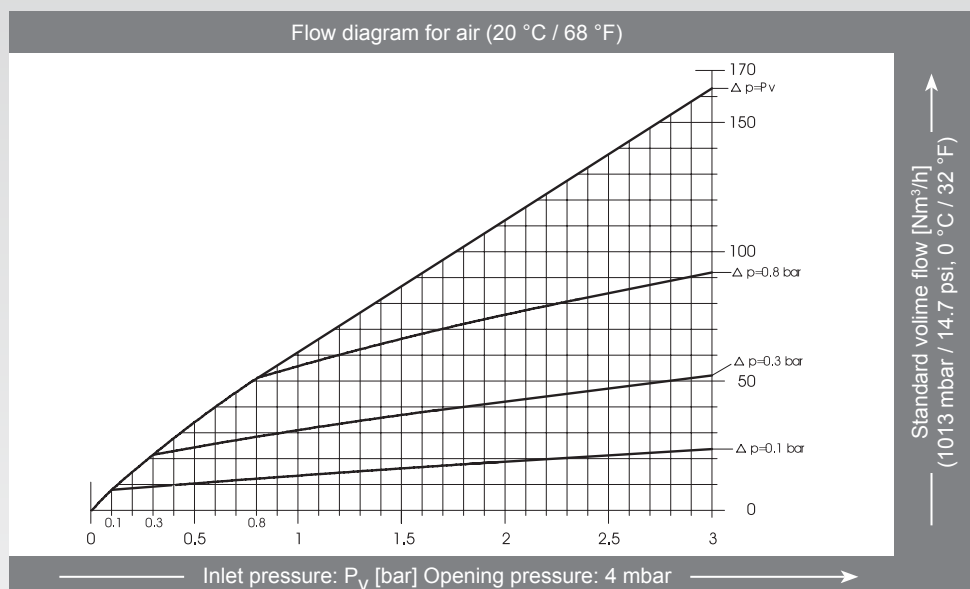
Model	max. working pressure [bar]	Material	Weight [g]	Length [inch]	Connection EN560 [Zoll]	Order-No. 270N	Order-No. 270NU	
623N 623NU*	Town gas (C), Natural Gas, Methane (M)	Brass Elastomer	1.800	7.24	G 3/4 RH	189.006		
			1.900	7.52	G 1 RH	189.008		
			1.850	7.36	G 1 RH / F*	189.017		
			2.100	7.64	G 1.1/4 RH	189.009		
			2.100	7.68	G 1.1/2 RH	189.007		
	LPG (P)		2.0					
	Hydrogen (H)		1.5	1.800	7.28	G 3/4 LH		189.013
				1.900	7.52	G 1 LH		189.012
				2.100	7.64	G 1.1/4 LH		189.014
				2.101	7.68	G 1.1/2 LH		189.015

F* = two-sided female thread

U* = changed flow direction, from female to male

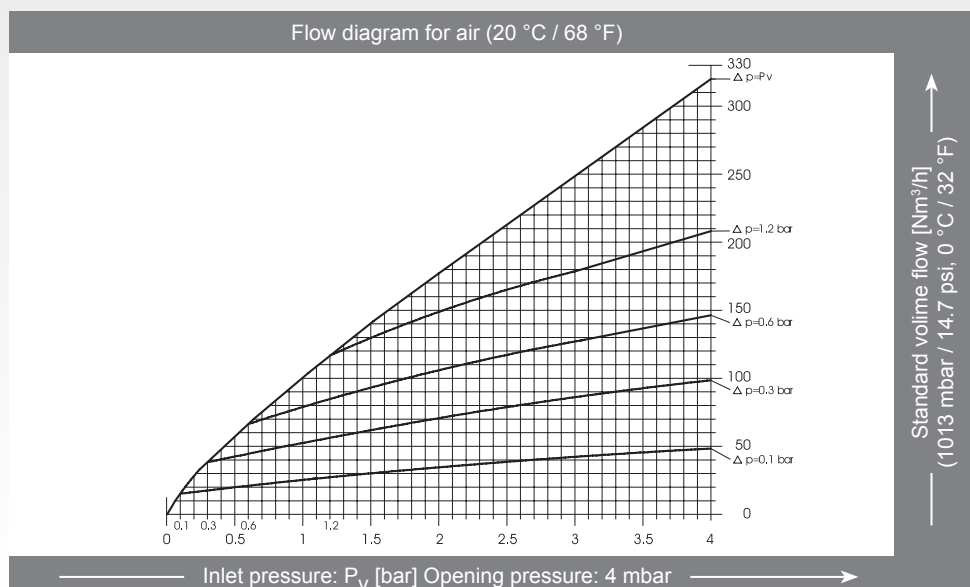
270N

- 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



623N

- 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



Technical Data

E9 subject to change