

FLASHBACK ARRESTORS E460



E460-1



E460-2



E460-3



E460SK



E460SKU



WITT Flashback Arrestors E460 for reliable protection against dangerous gas backflow and flashback according to DIN EN ISO 5175-1. Every Arrester 100% tested.

The best Flashback Arrestors in the world

Benefits

- a large surface area flame arrester [FA] of stainless steel construction extinguishes any dangerous flashback
- 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 arrester against dirt contamination, extending the service life (valid for fuel gas version hose 9 and G 3/8 LH)

Operation / Usage

- the Flashback Arrestors of type series E460 may be installed at the inlet of the blowpipe
- model E460-1, E460-3, E460SK and E460SKU may be installed at torches for burners.
The E460SK and SKU conforming to EN 561 / ISO 7289 makes possible the use of the WITT-Couplingsystem SK100 for the fast connection and disconnection of the

blowpipe.

The E460-2 is for the installation in the hose – not nearer than 1 m in front of the blowpipe

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

Designed for Oxygen Service in accordance with EIGA 13/20 and CGA G-4.4: Oxygen Pipeline and Piping Systems

Cleaned for Oxygen Service in accordance with EIGA 33/18 and CGA G-4.1: Cleaning of Equipment for Oxygen Service

Coupling body SK100-9 (without non-return valve) for the coupling to E460SK and coupling probes SK100-1 for connection with E460SKU according to EN 561 / ISO 7289



Model	max. working pressure [bar]	Material	Weight [g]	Outlet coupling body / -probe to EN 561 / ISO 7289	Inlet hose [mm] / female thread EN 560	Order-No.	
BODY SK100-9	Acetylene (A) 1.5	Brass Elastomer	94	✓	4	150-037	
	other fuel gases 20.0				6.3	150-021	
					8	150-039	
					9	150-023	
	Oxygen (O) 20.0				4	150-038	
Compressed air (D) 20.0	6.3	150-024					
PROBE SK100-1	Acetylene (A) 1.5	Brass Elastomer	39	✓	8	150-040	
	other fuel gases 20.0				G 3/8 LH	151-001	
					Oxygen (O) 20.0	G 1/4 RH	151-003
					Compressed air (D) 20.0	G 3/8 RH	151-004

other connections available upon request

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Model	max. working pressure [bar]	Material	Weight [g]	Inlet		Outlet		Order-No.	
				hose [mm] / thread according to EN 560	coupling probe or -body to EN 561 / ISO 7289	hose [mm] / thread according to EN 560			
E460-1	Acetylene (A) 1.5	Brass Elastomer	99	4		G 3/8 LH		135-002	
	Town gas (C)*, Natural gas (M)**, LPG (P)** 5.0			6.3				135-005	
	Hydrogen (H) 4.0			8				135-009	
				9				135-013	
	Oxygen (O) Compressed air (D) 20.0					4		G 1/4 RH	135-014
						6.3			135-017
						8		G 3/8 RH	135-022
E460-2	Acetylene (A) 1.5	Brass Elastomer	93	4		4		135-029	
	Town gas (C)*, Natural gas (M)**, LPG (P)** 5.0			6.3		6.3		135-031	
	Hydrogen (H) 4.0			8		8		135-032	
				9		9		135-034	
	Oxygen (O) Compressed air (D) 20.0					4		135-037	
						6.3		135-038	
						8		135-039	
						9		135-040	
E460-3	Acetylene (A) 1.5	Brass Elastomer	107	G 3/8 LH		G 3/8 LH		135-042	
	Town gas (C)*, Natural gas (M)**, LPG (P)** 5.0			G 1/4 RH		G 1/4 RH		135-046	
	Hydrogen (H) 4.0			G 3/8 RH		G 3/8 RH		135-094	
	Oxygen (O) Compressed air (D) 20.0								
E460SK*	Acetylene (A) 1.5	Brass Stainless Steel Elastomer	112		✓	G 3/8 LH		135SK-114	
	Town gas (C), Natural gas (M), LPG (P) 5.0				✓	G 1/4 RH		135SK-115	
	Hydrogen (H) 4.0				✓	G 3/8 RH		135SK-124	
	Oxygen (O) Compressed air (D) 20.0								
E460SKU*	Acetylene (A) 1.5	Brass Elastomer	145	G 3/8 LH			✓	135SK-128	
	Town gas (C), Natural gas (M), LPG (P) 5.0			G 1/4 RH			✓	135SK-127	
	Hydrogen (H) 4.0								
	Oxygen (O) Compressed air (D) 20.0								

* no Certification BAM

** LPG „based on test with Propan“
Natural gas „based on test with Methane“

- E460-1
- E460-2
- E460-3
- E460SK
- E460SKU

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
Town gas	x 1.54
Hydrogen	x 3.75

