

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 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
- 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 (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
Cleaned for Oxygen Service according to:
- EIGA IGC Doc 13/12/E: Oxygen Pipeline and Piping Systems

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

SK100-9
HOSE



SK100-1
TORCH



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
	Oxygen (O) 20.0				8	150-039
	Compressed air (D) 20.0				9	150-023
					4	150-038
PROBE SK100-1	Acetylene (A) 1.5	Brass Elastomer	39	✓	6.3	150-024
	other fuel gases 20.0				8	150-040
	Oxygen (O) 20.0				G 3/8 LH	151-001
	Compressed air (D) 20.0				G 1/4 RH	151-003
					G 3/8 RH	151-004

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

* no Certification BAM

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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

