

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

Every Arrestor 100% tested.

Etcertificate an 2/105

## 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

SK100-9

- 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

HOSE	Model	max. working pres [PSI]	sure	Material	Weight [oz]	Outlet coupling body / -probe to EN 561 / ISO 7289	Inlet hose [mm] / female thread EN 560	Order-No.
SK100-1 TORCH		Acetylene (A)	22				6.3	150-037 150-021
$\uparrow$	BODY SK100-9	other fuel gases	290	Brass Elastomer	3.32	•	8	150-039 150-023
		Oxygen (O)	290				4 6.3	150-038 150-024
		Compressed air (D)	290				8	150-040
	PROBE SK100-1	Acetylene (A) other fuel gases	22 290	Brass Elastomer	1.38		G 3/8 LH	151-001
		Oxygen (O)				•	G 1/4 RH	151-003
		Compressed air (D)	290				G 3/8 RH	151-004

other connections available upon request

## **FLASHBACK ARRESTORS E460**



Test certificate no. 2405

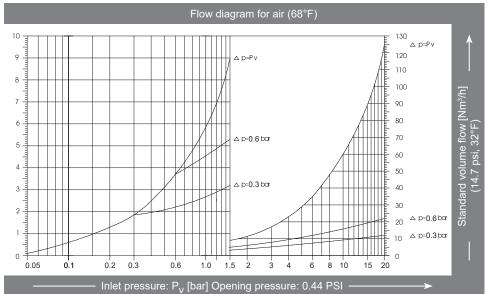
WITT Flashback Arrestors E460 for reliable protection against dangerous gas backflow and flashback according to DIN EN ISO 5175-1.

		Material	Weight [oz]	Inlet		Outlet		
Model	max. working pressure [PSI]				or -bo	g probe ody to ISO 7289	hose [mm] / thread according to EN 560	Order-No.
E460-1	Acetylene (A) 22		3.49	4			G 3/8 LH	135-002
	Town gas (C)*, Natural gas (M)**,			6.3				135-005
	LPG (P)** 73			8				135-009
	Hydrogen (H) 58			9				135-013
	Oxygen (O)			4			G 1/4 RH	135-014
	Compressed air (D) 290			6.3				135-017
	Compressed all (D) 290			8			G 3/8 RH	135-022
	Acetylene (A) 22	Danas	3.28	4			4	135-029
	Town gas (C)*, Natural gas (M)**,			6.3			6.3	135-031
	LPG (P)** 73			8			8	135-032
E460-2	Hydrogen (H) 58	Brass Elastomer		9			9	135-034
		Liastoffici		4			4	135-037
	Oxygen (O)			6.3			6.3	135-038
	Compressed air (D) 290			8			8	135-039
				9			9	135-040
E460-3	Acetylene (A) 22 Town gas (C)*, Natural gas (M)**, LPG (P)** 73 Hydrogen (H) 58		3.77	G 3/8 LH			G 3/8 LH	135-042
	Oxygen (O)	-		G 1/4 RH			G 1/4 RH	135-046
	Compressed air (D) 290			G 3/8 RH			G 3/8 RH	135-094
E460SK*	Acetylene (A) 22 Town gas (C), Natural gas (M), LPG (P) 73 Hydrogen (H) 58	Brass Stainless Steel	3.95		•		G 3/8 LH	135SK-114
	Oxygen (O)	Elastomer			~		G 1/4 RH	135SK-115
	Compressed air (D) 290				~		G 3/8 RH	135SK-124
E460SKU*	Acetylene (A) 22 Town gas (C), Natural gas(M), LPG (P) 73 Hydrogen (H) 58	Brass Elastomer	5.11	G 3/8 LH		~		135SK-128
	Oxygen (O) Compressed air (D) 290			G 1/4 RH		~		135SK-127

<sup>\*</sup> no Certification IBExU

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



<sup>\*\*</sup> LPG "based on test with Propan" Natural gas "based on test with Methane"