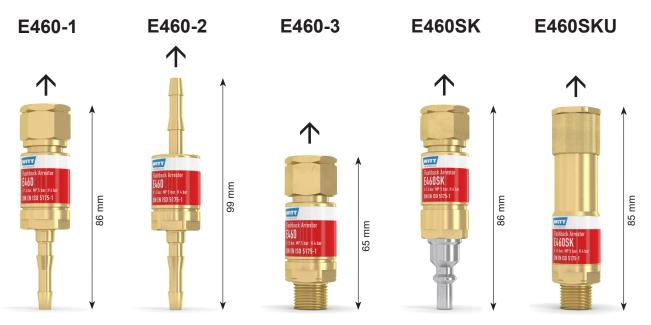
## **FLASHBACK ARRESTORS E460**





# 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

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

| SK100-9          | Coupling body SK100-9 (without non-return valve) for the coupling to E460SK<br>and coupling probes SK100-1 for connection with E460SKU according to EN 561 / ISO 7289 |                                   |             |                    |               |   |   |                               |  |  |
|------------------|---|-----------------------------------|-------------|--------------------|---------------|---|---|-------------------------------|--|--|
| HOSE             | Model   | max. working pres<br>[bar]        | sure        | Material           | Weight<br>[9] | Outlet<br>coupling body /<br>-probe to<br>EN 561 / ISO 7289 | Inlet<br>hose [mm] /<br>female thread<br>EN 560 | Order-No.                     |  |  |
| SK100-1<br>TORCH |   | Acetylene (A)                     | 1.5         | Brass<br>Elastomer | 94            |   | 4<br>6.3  | 150-037<br>150-021            |  |  |
| $\uparrow$       |   | other fuel gases                  | 20.0        |                    |               | ~   | 8   | 150-039<br>150-023            |  |  |
|                  |   | Oxygen (O)<br>Compressed air (D)  | 20.0        |                    |               |   | 4<br>6.3<br>8                                   | 150-038<br>150-024<br>150-040 |  |  |
|                  | PROBE<br>SK100-1  | Acetylene (A)<br>other fuel gases | 1.5<br>20.0 | Brass<br>Elastomer | 39            | ~   | G 3/8 LH  | 151-001                       |  |  |
|                  |   | Oxygen (O)<br>Compressed air (D)  | 20.0        |                    |               |   | G 1/4 RH<br>G 3/8 RH                            | 151-003<br>151-004            |  |  |

other connections available upon request



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

|                  |  |                             |               |  |          |                               | Certification N°: BAM/2                      | ZBA/003/04 |
|------------------|--|-----------------------------|---------------|--|----------|-------------------------------|--|------------|
| Model            |  |                             | Weight<br>[g] | Inlet  |          | Outlet                        |  |            |
|                  | max. working pressure<br>[bar]   | Material                    |               | hose [mm] /<br>thread according<br>to EN 560 | or -bo   | g probe<br>ody to<br>ISO 7289 | hose [mm] /<br>thread according<br>to EN 560 | Order-No.  |
| E460-1           | Acetylene (A) 1.5  |                             | 99            | 4  |          |                               | G 3/8 LH                                     | 135-002    |
|                  | Town gas (C)*, Natural gas (M)**,  |                             |               | 6.3  |          |                               |  | 135-005    |
|                  | LPG (P)** 5.0  |                             |               | 8  | 1        |                               |  | 135-009    |
|                  | Hydrogen (H) 4.0   |                             |               | 9  |          |                               |  | 135-013    |
|                  |  |                             |               | 4  |          |                               | G 1/4 RH                                     | 135-014    |
|                  | Oxygen (O)   |                             |               | 6.3  |          |                               |  | 135-017    |
|                  | Compressed air (D) 20.0  |                             |               | 8  |          |                               | G 3/8 RH                                     | 135-022    |
|                  | Acetylene (A) 1.5  |                             | 93            | 4  |          |                               | 4  | 135-029    |
| E460-2<br>E460-3 | Town gas (C)*, Natural gas (M)**,  |                             |               | 6.3  |          |                               | 6.3  | 135-031    |
|                  | LPG (P)** 5.0  |                             |               | 8  |          |                               | 8  | 135-032    |
|                  | Hydrogen (H) 4.0   | Brass<br>– Elastomer        |               | 9  |          |                               | 9  | 135-034    |
|                  |  | Elastomer                   |               | 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    |
|                  | Acetylene (A) 1.5   Town gas (C)*, Natural gas (M)**,   LPG (P)** 5.0   Hydrogen (H) 4.0 |                             |               | 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) 20.0  |                             |               | G 3/8 RH                                     |          |                               | G 3/8 RH                                     | 135-094    |
| E460SK*          | Acetylene (A)1.5Town gas (C), Natural gas (M),LPG (P)5.0Hydrogen (H)4.0                  | Brass<br>Stainless<br>Steel | 112           |  | ~        |                               | G 3/8 LH                                     | 135SK-114  |
|                  | Oxygen (O)   | Elastomer                   |               |  | <b>V</b> |                               | G 1/4 RH                                     | 135SK-115  |
|                  | Compressed air (D) 20.0  |                             |               |  | ✓        |                               | G 3/8 RH                                     | 135SK-124  |
| E460SKU*         | Acetylene (A)1.5Town gas (C), Natural gas(M),LPG (P)5.0Hydrogen (H)4.0                   | Brass                       | 145           | G 3/8 LH                                     |          | ~                             |  | 135SK-128  |
|                  | Oxygen (O)<br>Compressed air (D) 20.0  |                             |               | G 1/4 RH                                     |          | ✓                             |  | 135SK-127  |

\* no Certification BAM

E460-1

E460-2

E460-3

Acetylene

Natural gas

Methane

Propane

Oxygen

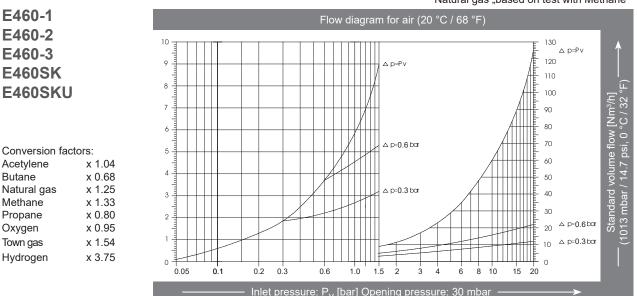
Town gas

Hydrogen

Butane

E460SK

**E460SKU** 



\*\* LPG "based on test with Propan" Natural gas "based on test with Methane"