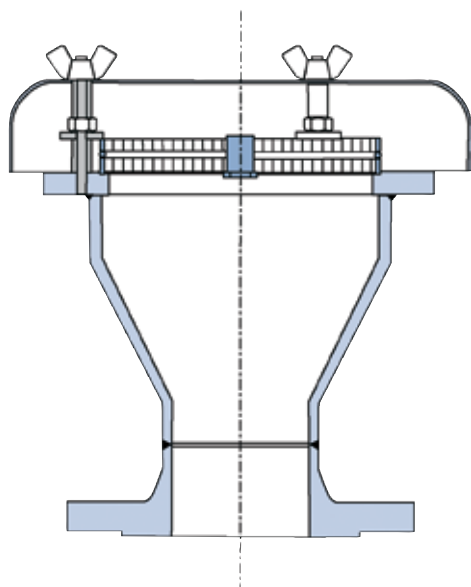


ANDERSON GREENWOOD WHESSOE MODEL 500E FLAME ARRESTER

An end-of-line short burn flame arrester designed to prevent the propagation of a flame



FEATURES

- Fabricated construction.
- Replaceable element.
- Advanced crimped stainless steel element construction as standard. Other materials available.
- Independently tested and certified.
- Manufactured to ISO 9001:2008.

GENERAL APPLICATION

The 500E is an end-of-line flame arrester which is mounted on tanks or on the end of discharge pipes to stop flames entering the process. It allows short burning only.

TECHNICAL DATA

Materials:	Carbon steel, stainless steel
Sizes:	DN 15 to 600 (½" to 24")
Connections:	Threaded or flanged
Temperature range:	-20° to 60°C (-4° to 140°F)*
Gas groups:	IIA, IIB1, IIB2, IIB3, IIB, IIC
Certification:	ATEX Directive 94/9/EC

* Higher temperatures for certain gas groups.

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MATERIALS AND CONNECTION OPTIONS

Materials

Carbon steel and stainless steel.

Connection pipe size

Threaded DN 15 to 50 (½" to 2")

Flanged DN 15 to 600 (½" to 24")

Gas groups

- IIA
- IIB1
- IIB2
- IIB3
- IIB
- IIC

NOTE

Accessories, special materials and connections are available on request.

HIGH TEMPERATURE (+200°C (+392°F)) APPLICATIONS

Explosion group	Gap width	Inlet size
IIB1 (IIA)	0.8 mm (0.032")	DN 15 - 600 (½" - 24")
IIB	0.45 mm (0.018")	DN 15 - 600 (½" - 24")
IIB2, IIB3	0.6 mm (0.024")	DN 15 - 300 (½" - 12")
IIC	0.3 mm (0.012")	DN 15 - 300 (½" - 12")

SELECTION GUIDE

Example:	500E	50	EC	100	19	80	S3	S3
Model								
500E								
Connection diameter, mm (in)								
Threaded								
DN 15 to 50 (½" to 2")								
Flanged								
DN 15 to 600 (½" to 24")								
Element code								
EC								
Element diameter, mm (in)								
DN 50 to 100 (2" to 4") - threaded connection								
DN 50 to 800 (1" to 32") - flanged connection								
Element width, mm (in)								
19 19 mm (0.75")								
Cell height, mm (in)								
80 0.80 mm (0.032")		45	0.45 mm (0.018")					
60 0.60 mm (0.024")		15	0.15 mm (0.006")					
Element material								
S3 Stainless steel								
C Carbon steel								
Body material								
S3 Stainless steel								
C Carbon steel								

NOTES

All sizing and selection must be conducted by the factory.
Standard elements are double the pipe size.

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500E (EC VERSION)

