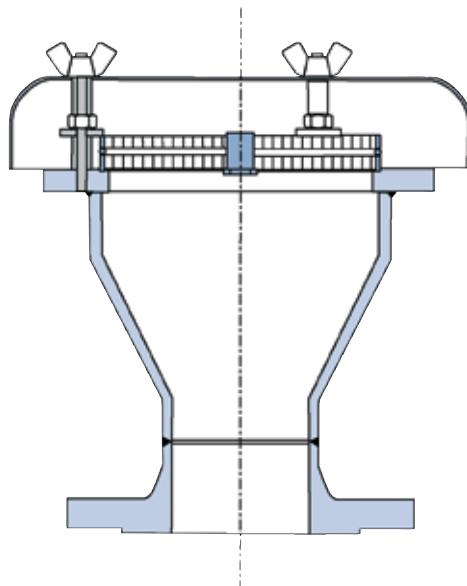


ANDERSON GREENWOOD WHESSOE MODEL 500E FLAME ARRESTER

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 (1/2" 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.

ANDERSON GREENWOOD WHESOE MODEL 500E FLAME ARRESTER

MATERIALS AND CONNECTION OPTIONS

Materials

Carbon steel and stainless steel.

Connection pipe size

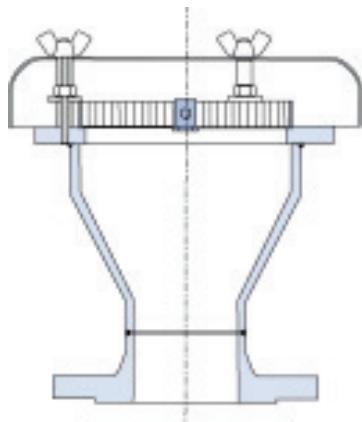
Threaded DN 15 to 50 (1/2" to 2")

Flanged DN 15 to 600 (1/2" to 24")

Gas groups

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

500E (EC VERSION)



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 (1/2" - 24")
IIB	0.45 mm (0.018")	DN 15 - 600 (1/2" - 24")
II2, IIB3	0.6 mm (0.024")	DN 15 - 300 (1/2" - 12")
IIC	0.3 mm (0.012")	DN 15 - 300 (1/2" - 12")

SELECTION GUIDE

Example:	500E	50	EC	100	19	80	S3	S3
Model	500E							
Connection diameter, mm (in)								
Threaded	DN 15 to 50 (1/2" to 2")							
Flanged	DN 15 to 600 (1/2" 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.

Neither Emerson, Emerson Automation Solutions, nor any of their affiliated entities assumes responsibility for the selection, use or maintenance of any product. Responsibility for proper selection, use, and maintenance of any product remains solely with the purchaser and end user.

Anderson Greenwood is a mark owned by one of the companies in the Emerson Automation Solutions business unit of Emerson Electric Co. Emerson Automation Solutions, Emerson and the Emerson logo are trademarks and service marks of Emerson Electric Co. All other marks are the property of their respective owners.

The contents of this publication are presented for informational purposes only, and while every effort has been made to ensure their accuracy, they are not to be construed as warranties or guarantees, express or implied, regarding the products or services described herein or their use or applicability. All sales are governed by our terms and conditions, which are available upon request. We reserve the right to modify or improve the designs or specifications of such products at any time without notice.