

SICAFLEX® segmented flame tube

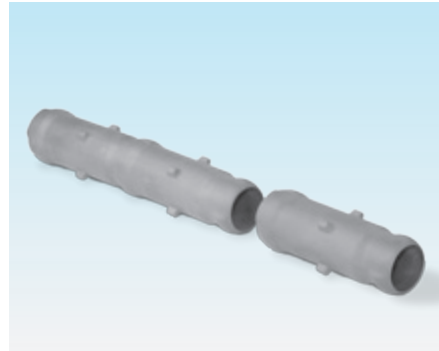
Product brochure · GB
Edition 02.11



- Simple installation, even in existing radiant tube systems
- Flame tubes can be made to any length by combining individual flame tube segments
- Patented flame tube segment design allows flame tube to be bent
- Reduced strain on radiant tubes due to light-weight design
- Long service life due to ceramic material SiSiC which is resistant to high temperatures



The bayonet joint of the individual segments allows adjustment to bent radiant tubes.



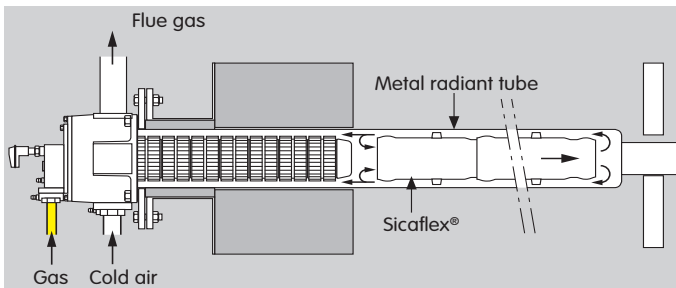
The segments can be interconnected to make a flame tube of any length.

Application

SICAFLEX® segmented flame tubes are used to guide hot flue gases in single-ended radiant tubes in conjunction with a self recuperative burner. The SICAFLEX® segmented flame tubes are interconnected using a bayonet joint. This connection allows for adjustment to flexures in metal radiant tubes, and slits in the flame tube from the dislocation of flame tube parts are avoided. The low weight of the SICAFLEX® segmented flame tubes places very little strain on the radiant tube.

Examples of application

SICAFLEX® in horizontally fitted single-ended radiant tubes



The hot flue gases from the burner are routed through the internal SICAFLEX® segmented flame tube. The high outlet velocity of the combustion gases generates a pressure at the outlet of the ceramic burner tube, resulting in the recirculation of the flue gases between the segmented flame tube and the radiant tube. This results in a uniform radiant tube temperature and reduces the formation of NO_x in the flame.

Type code

Code	Description
SICAFLEX	Segmented flame tube
	Size [mm]
100	100
142	142
152	152
162	162
175	175
202	202
300	300
	Min. internal SER dia. [mm]
/088	88
/127	127
/133	133
/147	147
/157	157
/186	186
/280	280
	External SICAFLEX® dia. [mm]
/084	84 (± 1)
/123	123 (± 1)
/129	129 (± 1)
/143	143 (± 1)
/153	153 (± 1)
/182	182 (± 1)
/275	275 (± 1)
	Length [mm]
-300	300
-250F	250, narrow end cut off
-250M	250, wide end cut off
-200F	200, narrow end cut off
-200M	200, wide end cut off
-150F	150, narrow end cut off
-150M	150, wide end cut off

Technical data

Material SiSiC, max. application temperature: 1350°C.

Detailed information on this product

www.lbe-online.de

Contact

www.lbe-online.de → Contact

Elster GmbH
Geschäftssegment LBE

Postfach 22 03 27
42373 Wuppertal
Deutschland

T +49 202 60908-0
F +49 202 60908-20
info@lbe-online.de

www.lbe-online.de
www.kromschroeder.de

We reserve the right to make technical modifications in the interests of progress.

Copyright © 2007 – 2011 Elster Group
All rights reserved.