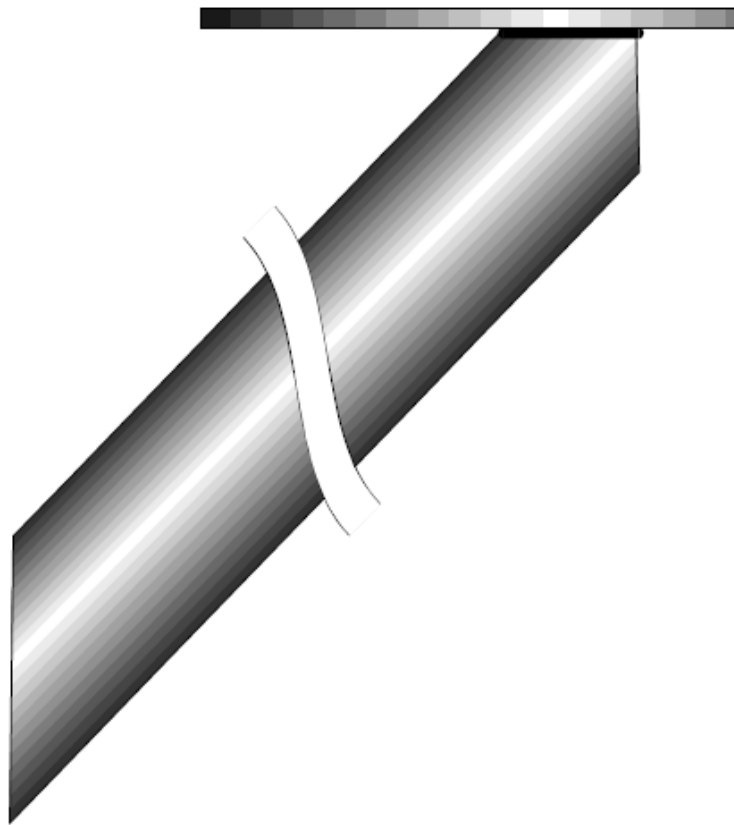


FLUEGAS - GUIDETUBE

MANUAL



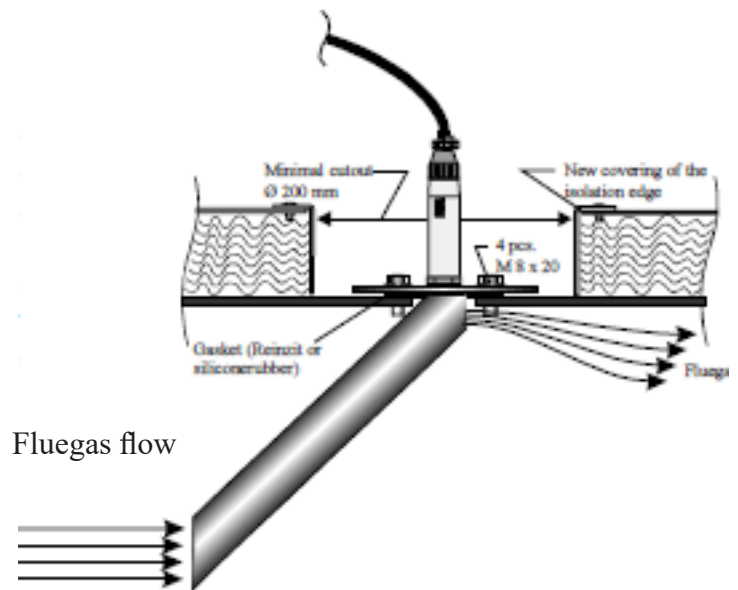
Part number 104.110
Standard version

Description:

Fluegas-guidetube part number 104.110 is an accessory to Wideband Lambda sensor OS2014.

The fluegas-guidetube is used on larger flue channels, to assure that a representative sample of the center flow is guided to the sensor placed at the wall of the flue.

Maintenance: none



Installation site: Top side of a rectangular flue channel

Installation method: Flange mounted directly on the surface of the flue-channel wall on a counter-flange welded into the plate og the flue-channel wall.

Guidetube specifikaationer:

Flange dimensions:	Outer diameter:	Ø 140 mm
	Fitting:	4 pcs M8 free holes in a 67,2 mm square
Cutout:	Insulation:	A free hole minimum Ø 200 mm is cut in the insulation layer. The edge is covered with a suitable material.
	Holes:	one Ø 50 mm centerhole and 4 pcs 6,8 mm holes in a 67,2 mm square
Gasket:		d = 47 mm, D = 88 mm and h = 3 mm Reinziit 34 or silicone-rubber
Guide tube:		Ø 38 mm tube 450 mm long
Connection:		M 18 x 1,5
Materials:		Stainless acid proof steel AISI 316
Temperatures:	Flue-gas temperature:	max. 400 °C
	Ambient temperature:	max. 100 °C
Standard accessories:		Supplied with 1 pc. Reinziit 34 gasket and 4 pcs. M 8 x 20 self-tapping bolts

Installation:

The installation is best performed on the top side of the flue-channel. This way any dust deposits around the sensor are avoided.

Procedure:

1. Cut a minimum 200 mm diameter hole in the insulation of the flue channel.
2. Clean the metal surface carefully.
3. Cut and drill 5 holes as illustrated (the drawing is 1 : 1 and can be used as a stencil)

4. Fit the gasket. With care a small amount of silicone rubber can be used - but the rubber must be complete hardened before the sensor are fitted (silicone is poison for the sensor).
5. Place the fluegas-guide tube in the hole with the „nose“ upstream in the gas flow. I .
6. Fit the four selftapping screws and tighten them carefully.
7. Fit the OS 2000 sensor in the center hole of the flange.

