Installation Instructions

Assembly of Boiler Sections, Part No. 7134 271
for Vertomat VSB-17 to -89
and Vitocrossal 300, CT3-17 to -89 boilers

Safety and Installation Requirements

Please ensure that these instructions are read and understood before commencing installation. Failure to comply with the instructions listed below can cause product/property damage, severe personal injury, and/or loss of life.

Working on the equipment
The installation, adjustment, service, and maintenance of this product must be done by a licensed professional heating contractor who is qualified and experienced in the installation, service, and maintenance of hot water boilers. There are no user serviceable parts on the boiler, burner, or control.

Ensure main power supply to equipment, the heating system, and all external controls has been deactivated. Close main gas supply valve. Take precautions in all instances to avoid accidental activation of power during service work.

Ensure that the installation literature of other components is referenced.

Assembly Instructions

Fig. 1
Assembly of combustion chamber

IMPORTANT
Never put any tools, bolts or any other parts inside the combustion chamber.

1. Clean combustion chamber surfaces with stainless steel wire brush 5”/127 mm from the edges.

IMPORTANT
Do not use solvents. Use only clean towels and/or rags.

2. Apply supplied tape 1 on the edge of the front cone section as illustrated, and finish with 3”/76 mm loop tabs.

3. Apply supplied tape 1 3/8”/10 mm from edge of main boiler section as illustrated, and finish with 3”/76 mm loop tabs.

4. Apply generous amount of supplied Dirko silicone evenly between the combustion chamber edge and the steel ring welded to the front section 2.

Do not discard empty tubes! Empty tubes are used for removal of excess silicone. See next step.
5. Join front cone section with main boiler section and ensure that a gasket has been placed between the water connection flanges. Tighten all four bolts around the boiler section and the flanges. Scrape off excess silicone from the inside of the combustion chamber with end of the empty silicone tube.

6. Using a disposable latex glove (with liquid soap or hand moisturizer), or plastic trowel, and smooth silicone strip on the inside of the combustion chamber.

7. Remove tape (after approx. 4 hours) by carefully pulling out tabs from the combustion chamber. Wash hands when finished. Ensure that there are no gaps in the silicone seal along the joint of the two sections.

8. Install gaskets on common boiler supply header and tighten flanges with the nuts and bolts provided.

Fig. 2
Assembled combustion chamber shown

A Front cone section
B Main boiler section