

HEAT EXCHANGER CLEANING INSTRUCTIONS

FOR BUDERUS SSB BOILERS



BOSCH

Installation and Service Instructions for Contractors

6720864055 (2017/12) US



1 Key to symbols and safety instructions

1.1 Key to symbols

Warnings



Warnings in this document are identified by a warning triangle printed against a grey background.

Keywords at the start of a warning indicate the type and seriousness of the ensuing risk if measures to prevent the risk are not taken.

The following keywords are defined and can be used in this document:

- **DANGER** indicates a hazardous situation which, if not avoided, will result in death or serious injury.
- **WARNING** indicates a hazardous situation which, if not avoided, could result in death or serious injury.
- **CAUTION** indicates a hazardous situation which, if not avoided, could result in minor to moderate injury.
- **NOTICE** is used to address practices not related to personal injury.

Important information



This symbol indicates important information where there is no risk to people or property.

2 Cleaning the Heat Exchanger

The interior surfaces of the heat exchanger should be cleaned annually.



WARNING: All cleaning operations **MUST** be performed under the following conditions:

- ▶ boiler cold
- ▶ boiler switched OFF
- ▶ suitable personal protection equipment

Carefully perform all steps below:

- [1] Turn the mains power switch OFF and turn the control panel function selector OFF (0);

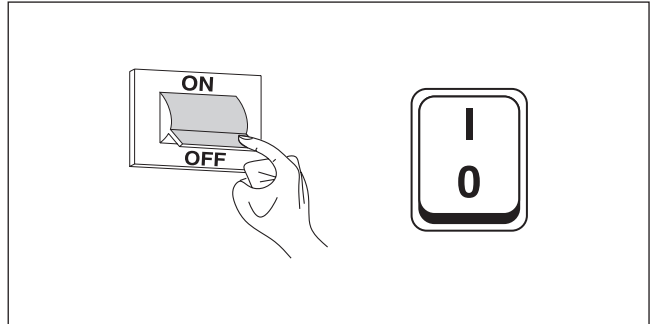


Fig. 1 Power switch OFF

- [2] Close all external fuel valves before cleaning;

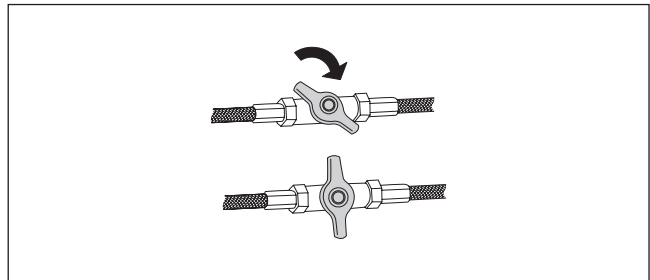


Fig. 2 Close all fuel valves

- [3] In order to access the heat exchangers for cleaning, please follow the instructions for the respective heat exchangers found in the installation or service manuals;

Kit Contents:

- 1 x Manual water pump and wand
- 1 x Calorite disc protector plate
- 1 x Bottle Atomizer
- 1 x Cleaning Brush
- 2 x 1 Liter bottle of Axi-Therm Clean F9A decalcifier solution.



Fig. 3 Cleaning kit

- [4] Wait for the heat exchanger to cool before proceeding with cleaning;
- [5] Insert the protection disc through the opening in the heat exchanger;

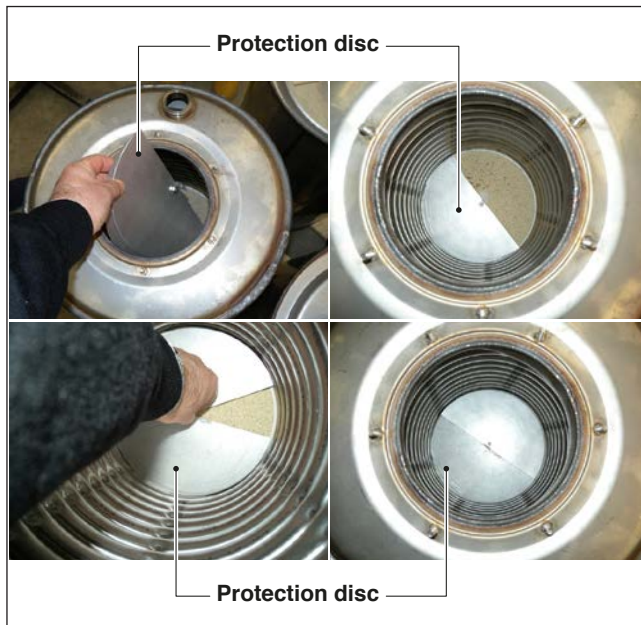


Fig. 4 Protection disc

- [6] Using the cleaning brush, remove any debris from the spiral tubing and vacuum the debris from the bottom of the heat exchanger without damaging the calorite disc;

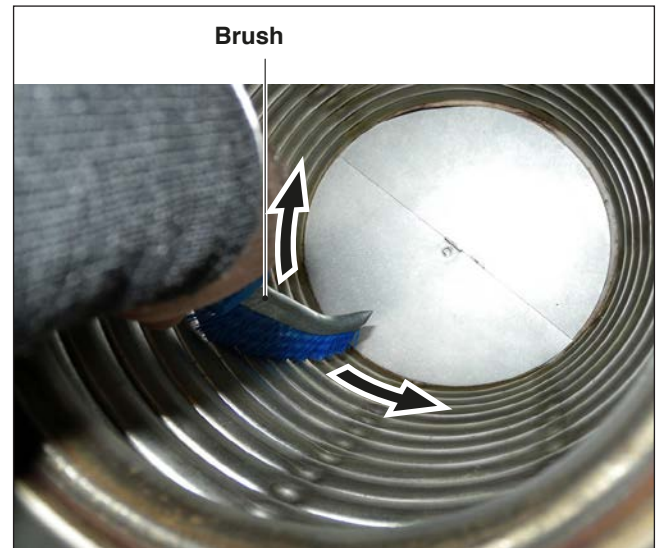


Fig. 5 Remove brush debris

- [7] Apply the Axi-Therm decalcifier solution using the spray bottle and let stand for between 10 and 20 minutes maximum;
- [8] Rinse the heat exchanger using water and the manual water pump. Care should be taken to avoid flooding the heat exchanger. If the tubes are heavily obstructed repeat the cleaning and rinsing process;
- [9] Remove the calorite protection disc and reassemble the heat exchanger according to the respective installation or service manual;
- [10] Reassemble the burner head, fan and gas system according to the installation or service manual. Operate the burner normally for 5 - 10 minutes.



WARNING: In instances of heavy dirty deposits repeat the cleaning procedure. Do not use any chemical cleaner other than the one listed on this manual. Cleaners designed for aluminum heat exchangers should never be used.

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