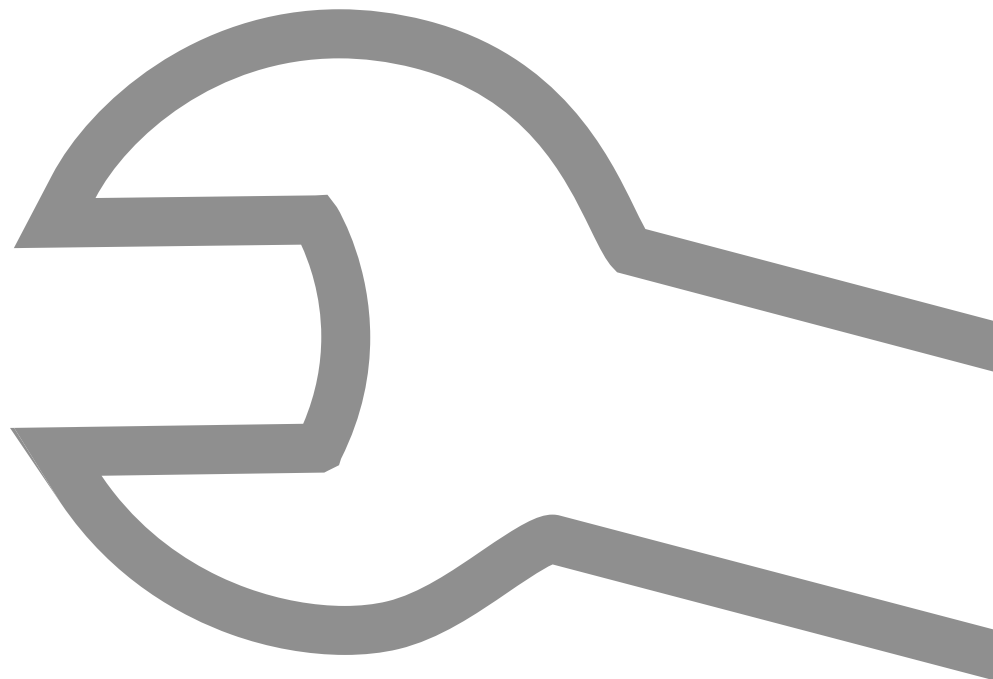


Cleaning and maintenance log



*Comfortable
heating. With wood!*

HDG M299 - 400



Cleaning and maintenance log

General information

PLANT OPERATOR

	Plant operator
Name	
Address	
Post code, town	

HEATING SYSTEM

	Heating system
HDG project number	
Type of boiler	
Rated thermal power	
Year of construction	
Other information	

The cleaning and maintenance log is for recording cleaning and maintenance work during the year. Use the tables on the next page to enter when you performed each task, and after how many operating hours. An additional table is also available for documenting possible parameter modifications in the controller.

In addition to the specified cleaning and maintenance tasks for the boiler, all other safety-relevant components of the entire heating system (such as the thermal safety device) must be regularly serviced by authorised technicians.



Caution

Compliance with the cleaning and maintenance intervals ensures the safety of the boiler. Failure to comply with them may invalidate any warranty claims made towards HDG.

Contact partners

The following table has space for the addresses and telephone numbers of your most important contact partners.

	Name, address	Tel. no.
HDG sales partner		
Specialist heating company		
Specialist electrical company		
Chimney sweep		

Cleaning and maintaining the heating system

GENERAL INFORMATION

To ensure fault-free and safe operation, certain cleaning and maintenance work is necessary. This effort will also help you avoid expensive repairs, provided you observe the recommended intervals.

The cleaning and maintenance work can also be performed by an authorised specialist heating company through a servicing contract.

SPARE PARTS



Only use original HDG spare parts! You can obtain HDG spare parts from your specialist heating company.

CLEANING AND MAINTENANCE SCHEDULE



The specified cleaning intervals are a guideline. The intervals may change depending on the quality of the fuel and the power used by the heating system.



Detailed instructions on how to proceed can be found in the operating manual HDG M299 - 400, Chapter „7 Cleaning and maintaining the heating system“.

Observe the warnings and safety instructions in the operating manual.

Intervall	Bauteil
after approx. 150 and 1000 operating hours respectively	<ul style="list-style-type: none"> Lubricating the feeding system
after approx. 500 operating hours	<ul style="list-style-type: none"> Cleaning the stepping grate Cleaning the combustion chamber Check and empty the ash container
after approx. 2000 operating hours*	<ul style="list-style-type: none"> Cleaning the cleaning shaft Cleaning the vacuum pressure pipe for the pressure switches Cleaning the vacuum pressure pipe for the differential pressure transmitters
after approx. 4000 operating hours*	<ul style="list-style-type: none"> Cleaning the control unit Checking the drive chains Cleaning the ignition fan Cleaning and calibrating the lambda sensor Cleaning the flue gas temperature sensor Cleaning the flue gas pipe Cleaning the pressure equalisation hose Cleaning fluy ash section
before every second filling	<ul style="list-style-type: none"> Inspecting the fuel storage

Table 1/1 - Cleaning and maintenance schedule

*At least once per year

FRONT SIDE HDG M299 - 400

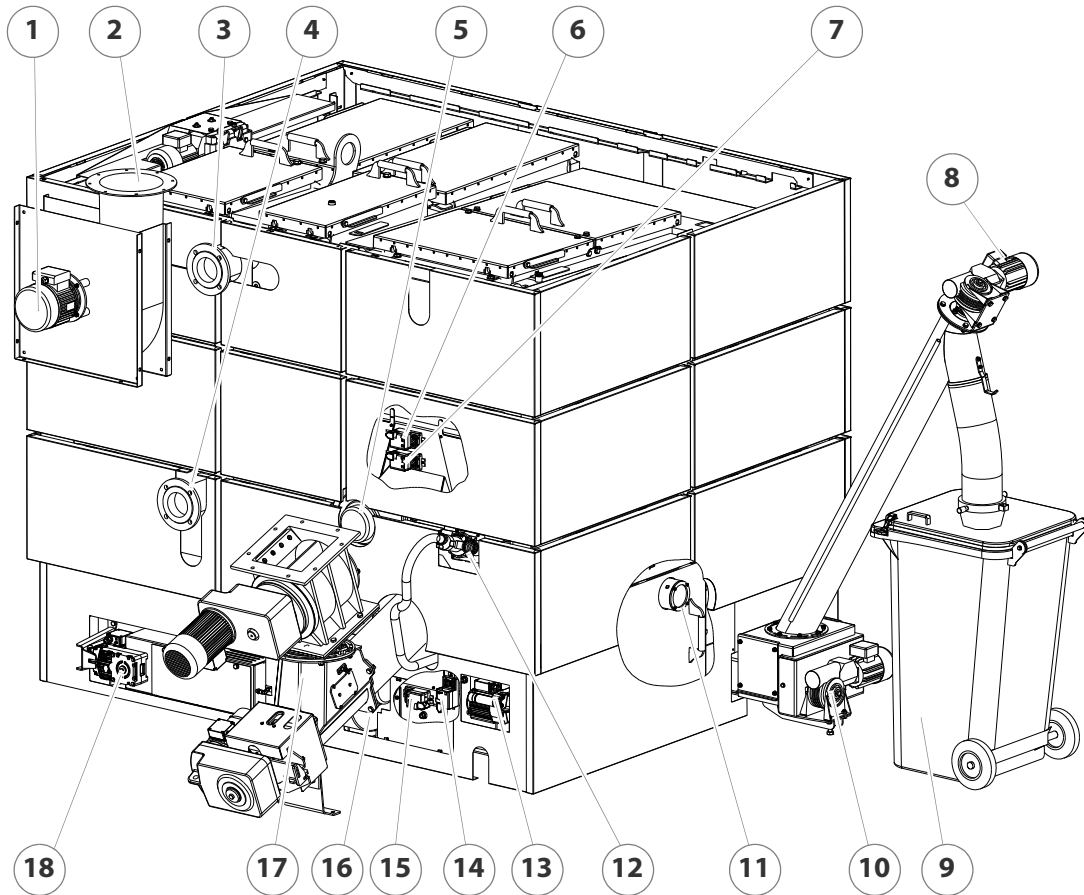


Abbildung 1/1 - Front side HDG M299 - 400

- 1 Flue gas fan
- 2 Flue pipe connection
- 3 Boiler supply connection (DN 100 flange)
- 4 Boiler return connection (DN 100 flange)
- 5 Secondary air fan
- 6 Actuator for tertiary air
- 7 Actuator for secondary air
- 8 Drive motor for central ash removal system
- 9 Ash bin
- 10 Drive motor for ash removal auger
- 11 Inspection window for stepping grate
- 12 Ignition fan
- 13 Drive motor for stepping grate
- 14 Actuator for primary air 1
- 15 Actuator for secondary air 2
- 16 Primary air fan
- 17 Feeding system
- 18 Drive motor for fly ash augers

BACK SIDE HDG M299 - 400

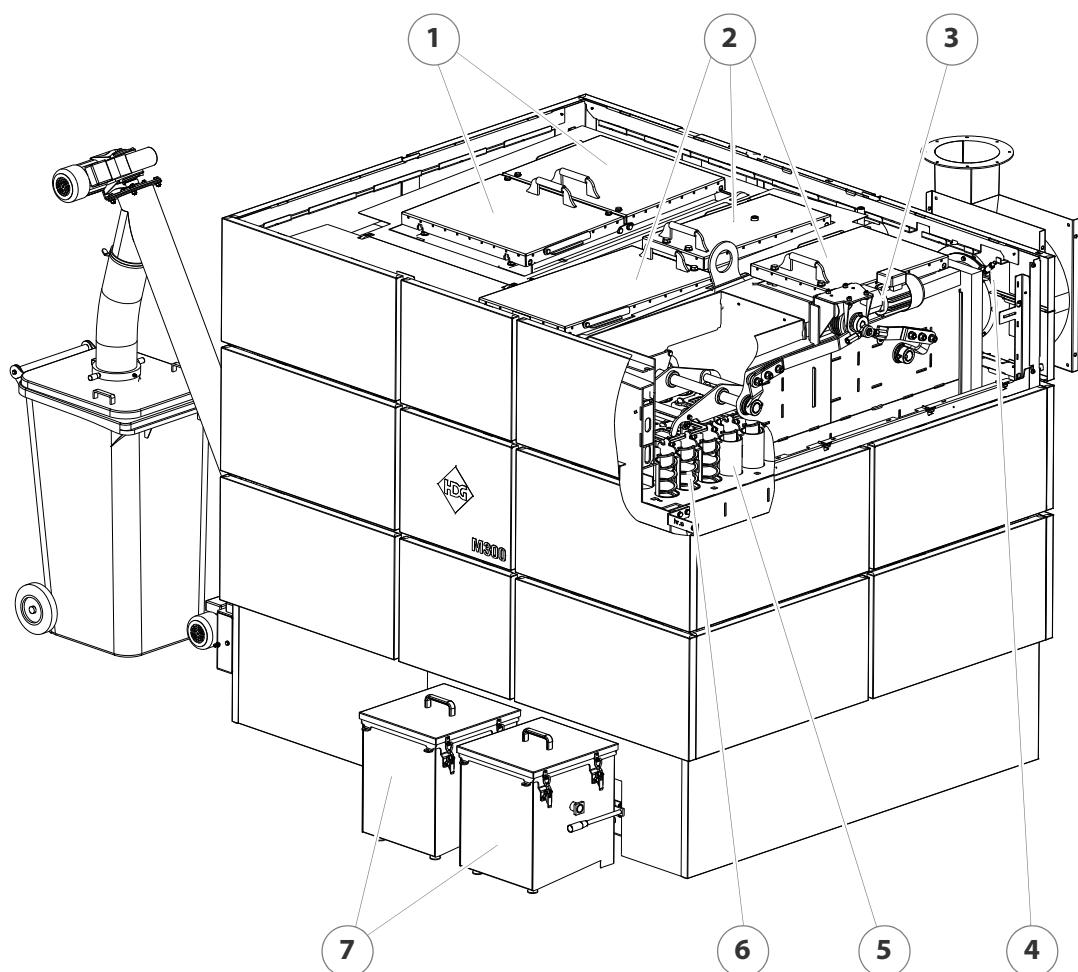


Abbildung 1/2 - Rückseite HDG M299 - 400

- 1 Cleaning shaft lid for combustion unit
- 2 Cleaning shaft lid for heat exchanger
- 3 Cleaning system drive motor
- 4 Lambda sensor
- 5 Tubular heat exchanger
- 6 Turbulators
- 7 Fly ash container

CROSS SECTION HDG M299 - 400

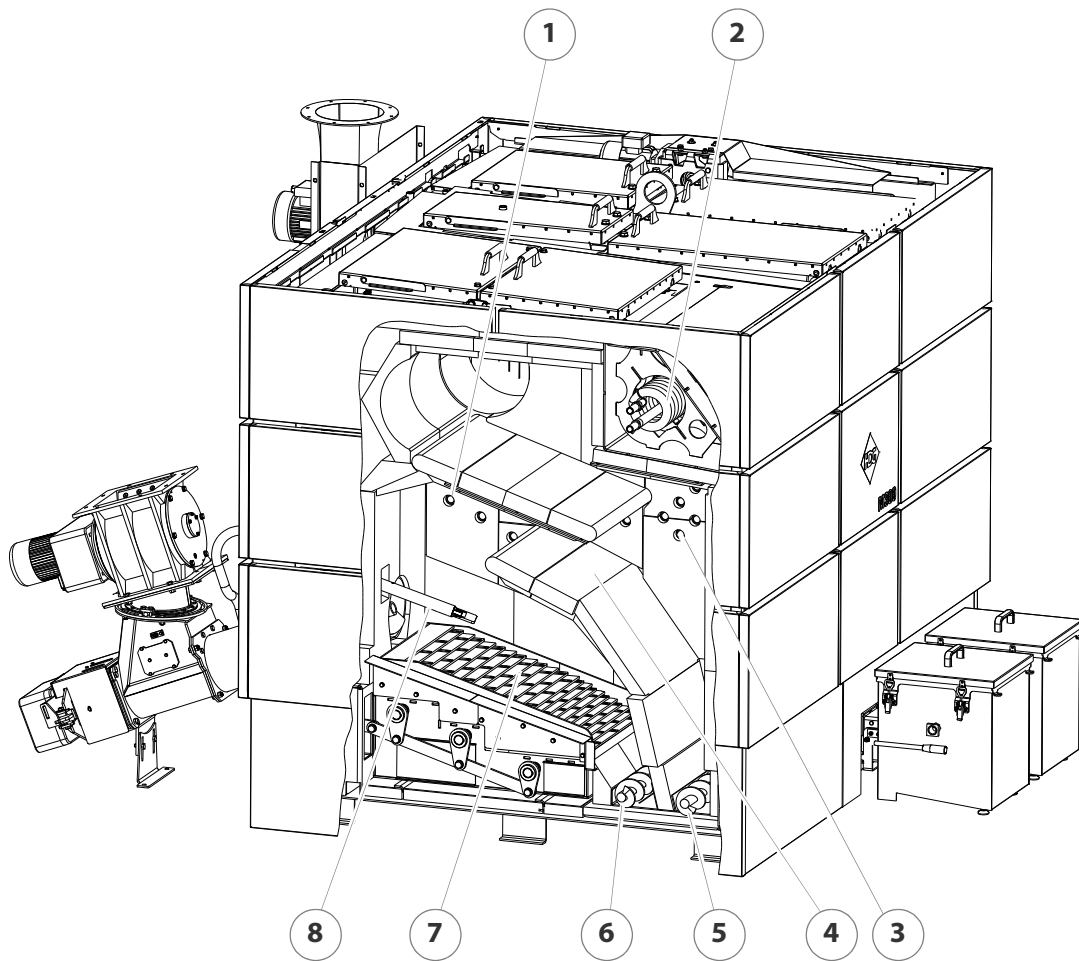


Abbildung 1/3 - Schnittbild HDG M299 - 400

- 1 Secondary air openings
- 2 Safety heat exchanger, combustion unit
- 3 Tertiary air openings
- 4 Combustion chamber
- 5 Ash removal auger for fly ash 1
- 6 Ash removal auger for grate ash
- 7 Stepping grate
- 8 Ignition pipe or fill level indicator

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Cleaning the combustion chamber	Date												
	Oper. hrs												
Check and empty the ash container	Date												
	Oper. hrs												
after approx. 2000 operating hours													
Cleaning the cleaning shaft	Date												
	Oper. hrs												
Cleaning the vacuum pressure pipe for pressure switches	Date												
	Oper. hrs												
Cleaning the vacuum pressure pipe for diff.press. transm.	Date												
	Oper. hrs												
after approx. 4000 operating hours													
Cleaning the control unit	Date												
	Oper. hrs												
Checking the drive chains	Date												
	Oper. hrs												
Cleaning the ignition fan	Date												
	Oper. hrs												
Cleaning and calibrating the lambda sensor	Date												
	Oper. hrs												
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	Oper. hrs												
Cleaning the flue gas pipe	Date												
	Oper. hrs												
Cleaning the pressure equalisation hose	Date												
	Oper. hrs												
Cleaning fly ash section	Date												
	Oper. hrs												
before every second filling													
Inspecting the fuel storage	Date												
	Oper. hrs												

Maintenance corresponding maintenance contract

Name Enterprise/Technician	Date	Oper. hours	Note	Signature

Year:

Tätigkeit		Jan	Feb	Mär	Apr	Mai	Jun	Jul	Aug	Sep	Okt	Nov	Dez
after approx. 150 and 1000 operating hours respectively													
Lubricating the feeding feeding system													
after approx. 500 operating hours													
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	Oper. hrs												
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