

**Customer personal data**

Name		Address	
		Customer ID	

**Installation data**

Control type		Software-Version	
Operating hours		Software-Update	<input type="checkbox"/> OK (v. 50.04 - 04.11)
Boiler starts		Settings	<input type="checkbox"/> OK <input type="checkbox"/> not OK
Op. hours/ boiler starts >0.5		Read out error list	<input type="checkbox"/> OK

**Cleaning condition of boiler**

Boiler	<input type="checkbox"/> OK <input type="checkbox"/> not OK	Ventilation of room	<input type="checkbox"/> OK <input type="checkbox"/> not OK
Check flue gas line / check cleaning condition of flue gas pipe		<input type="checkbox"/> OK <input type="checkbox"/> not OK	

**Hydraulic periphery**

Functioning of pump	<input type="checkbox"/> OK <input type="checkbox"/> not OK	Functioning of mixing valve	<input type="checkbox"/> OK <input type="checkbox"/> not OK
System pressure (cold)	bar		

**Tightness test**

	OK	not OK
Check positioning and tightness of doors	<input type="checkbox"/>	<input type="checkbox"/>
Check tightness of heat exchanger cover	<input type="checkbox"/>	<input type="checkbox"/>
Check tightness of burner gasket	<input type="checkbox"/>	<input type="checkbox"/>
Check tight fit of screws at flue outlet, if necessary retighten	<input type="checkbox"/>	<input type="checkbox"/>

**Inspection of stoker unit**

	OK	not OK
Check stoker drive for functioning and tightness	<input type="checkbox"/>	<input type="checkbox"/>
Check burn back slide and down pipe, if necessary clean	<input type="checkbox"/>	<input type="checkbox"/>
Check correct wiring and cable routing of all actuators	<input type="checkbox"/>	<input type="checkbox"/>
Check inspection glass on stoker pipe (cleanliness, cracks)	<input type="checkbox"/>	<input type="checkbox"/>
Clean combustion grate and check on free movement	<input type="checkbox"/>	<input type="checkbox"/>

**Inspection of ignition**

	OK	not OK
Check correct assembly of igniter	<input type="checkbox"/>	<input type="checkbox"/>
Check unobstructed passage of air in ignition pipe	<input type="checkbox"/>	<input type="checkbox"/>
Check carbon brushes (every 5000 starts), if necessary replace (< 5 mm)	<input type="checkbox"/>	<input type="checkbox"/>
Check correct functioning of igniter (fan turns on, resistance produces hot air)	<input type="checkbox"/>	<input type="checkbox"/>

**Inspection of air control and WOS-system**

	OK	not OK
Check right assembly and wiring of ID fan	<input type="checkbox"/>	<input type="checkbox"/>
Check impeller of ID fan (clean fins if they are accrued or lined with creosote)	<input type="checkbox"/>	<input type="checkbox"/>
Check if ID fan is running on min rotation (35%, 50% approx. 1500 U/min)	<input type="checkbox"/>	<input type="checkbox"/>
Check capacitor (C > 3,5 µF)	<input type="checkbox"/>	<input type="checkbox"/>
Check correct assembly and free movement of WOS-system (clutch disc, motor, tabulator springs)	<input type="checkbox"/>	<input type="checkbox"/>
Remove and clean flue gas temperature sensor, secure it again	<input type="checkbox"/>	<input type="checkbox"/>
Demount and clean (shake it out) lambda sensor and tighten it again gently	<input type="checkbox"/>	<input type="checkbox"/>

<b>Inspection of suction feed system</b>	<i>OK</i>	<i>not OK</i>
Check correct functioning of suction motor (burn back slide closed!)	<input type="checkbox"/>	<input type="checkbox"/>
Check suction hoses for general condition and proper grounding	<input type="checkbox"/>	<input type="checkbox"/>
Check functioning of slide valve storage room	<input type="checkbox"/>	<input type="checkbox"/>
Check suction cyclone and complete suction system for tightness	<input type="checkbox"/>	<input type="checkbox"/>

<b>Functioning test</b>				
Digital ins	<input type="checkbox"/>	Door sensor	<input type="checkbox"/>	Limit thermostat STB
	<input type="checkbox"/>	Jam sensor (vacuum feeder)	<input type="checkbox"/>	Level MAX sensor
	<input type="checkbox"/>	Response of grate drive (open/closed)		
Digital outs	<input type="checkbox"/>	Ash removal auger / ash agitator (P4 32-100)	<input type="checkbox"/>	Pellets switch for universal suction system

<b>Heating with customer (identifying possible mistakes)</b>	<i>Yes</i>	<i>No</i>
The customer should be able to do the following tasks:		
Carrying out regular cleaning	<input type="checkbox"/>	<input type="checkbox"/>
Operating / Setting of hydraulic periphery (Heating times, room temperature)	<input type="checkbox"/>	<input type="checkbox"/>
Operating of room console (option)	<input type="checkbox"/>	<input type="checkbox"/>
Function and operation keys of Lambdatronic (for P 3200)	<input type="checkbox"/>	<input type="checkbox"/>
Selection of operating mode	<input type="checkbox"/>	<input type="checkbox"/>
Manual operation of boiler aggregates (grate drive, WOS)	<input type="checkbox"/>	<input type="checkbox"/>
Customer has been instructed	<input type="checkbox"/>	<input type="checkbox"/>

<b>Emission measurement</b>	<i>OK</i>
Emission measurement (O <sub>2</sub> ca. 9%, CO < 500 ppm)	<input type="checkbox"/>
Chimney draft (as per operating instructions) / draft limiter has been set	<input type="checkbox"/>

<b>Setup report</b>	<i>OK</i>
Save set parameters (commissioning protocol) and send it to FROLING	<input type="checkbox"/>

Hereby I confirm the accuracy of preceding details!

Date		Name technician	
Signature customer		Signature technician	

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Goods shall remain our property until full payment.