

Service Checklist: Froling P4 Pellet Boiler

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| Installers Details: | |
| Site Name and Address | |
| Servicing Date | |
| Serviced by | |
| Boiler Type | |
| Boiler Serial Number | |
| Stamped boiler number | |
| Core module Software Version | |
| Touch Screen Software Version | |
| Boiler run Hours | |



| Cleaning and Inspection | Complete |
|--|--------------------------|
| • Turn on ash removal system and heat exchanger cleaning WOS for five minutes | <input type="checkbox"/> |
| • Remove upper heat exchanger cover plates, check rope seals and replace if required | <input type="checkbox"/> |
| • Remove internal heat exchanger plates, check condition of fire brick | <input type="checkbox"/> |
| • Clean all ash from upper heat exchanger | <input type="checkbox"/> |
| • Use square cleaning brush provided and clean all square heat exchanger tubes | <input type="checkbox"/> |
| • Clean and remove any ash from combustion pass between grate and exchanger | <input type="checkbox"/> |
| • Remove and clean flue gas temperature probe | <input type="checkbox"/> |
| • Remove and clean Lambda probe use a soft brush and tap any ash out of probe | <input type="checkbox"/> |
| • Remove and clean ID fan | <input type="checkbox"/> |
| • If you are sweeping flue, please carry out at this point | <input type="checkbox"/> |

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|---|--------------------------|
| • Clean and inspect ID Fan housing | <input type="checkbox"/> |
| • Refit Flue gas sensor, Lambda probe, ID fan replacing gasket / seal if required | <input type="checkbox"/> |
| • Inspect ash chamber door seals and all hinges and latches ensure air tightness | <input type="checkbox"/> |
| • Remove all ash from collection area and inspect ash screws and wiper blades | <input type="checkbox"/> |
| • Remove the grate and clean making sure all air holes are free of obstruction | <input type="checkbox"/> |
| • Clean and inspect secondary air holes and condition of internal fire brick | <input type="checkbox"/> |
| • Check stoker and ignition gun outlet for any defects or obstructions | <input type="checkbox"/> |
| • Refit grate and test movement open / close | <input type="checkbox"/> |
| • Open day hopper clean proximity sensor, suction fan and slide valve opening | <input type="checkbox"/> |
| • Check suction hose connection for tightness and earth connection | <input type="checkbox"/> |
| • Remove and clean square inspection glass | <input type="checkbox"/> |
| • Grease top and bottom stoker bearings | <input type="checkbox"/> |
| • Test operation of back burn flap | <input type="checkbox"/> |
| • Ensure that combustion air intake grill is clear at the rear of boiler bottom corner | <input type="checkbox"/> |
| • Visually check fuel store, fill pipes and fuel quality. Report any findings | <input type="checkbox"/> |
| • Test and inspect fuel delivery system | <input type="checkbox"/> |
| • Clean boiler and boiler room | <input type="checkbox"/> |
| • Check and update boiler software if required | <input type="checkbox"/> |
| • Manually test all moving parts including boiler pump | <input type="checkbox"/> |
| • Before refiring the boiler ensure to recalibrate the Lambda probe this is done in the menu SYSTEM - SET – LAMBDA VALUES – BROARDBAND PROBE | <input type="checkbox"/> |
| • Restart boiler | <input type="checkbox"/> |
| • Check and observe ignition settings | <input type="checkbox"/> |
| • Once boiler has fired, monitor a rise in flue gas and boiler temperature | <input type="checkbox"/> |
| • When temperature in the Hi stat housing reaches 85 °c, boiler pump will start | <input type="checkbox"/> |
| • Carry out a combustion test with a flue gas analyser record results | <input type="checkbox"/> |
| • Inspect that all data plates are fitted and visible | <input type="checkbox"/> |
| • Inspect and test any carbon monoxide alarms / heat alarms | <input type="checkbox"/> |
| • Save boiler configuration to laptop | <input type="checkbox"/> |

Boiler current values

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|---------------|----|
| Boiler Status | |
| Boiler Temp | °C |
| Flue Gas Temp | °C |
| ID Fan Speed | U |
| Air opening | % |
| Residual O2 | % |
| Buffer upper | °C |
| Buffer lower | °C |

| | |
|-------------------------------|----|
| Under pressure | |
| DHW temp 01 | °C |
| Flow temp HC 01 | °C |
| Outside air temp | °C |
| Software version core module | |
| Software version touch screen | |

Key Boiler settings

| | |
|-------------------------------|--|
| Boiler temperature set point | |
| Return temperature set point | |
| Max FG temp | |
| Boiler pump address | |
| Type of boiler pump | |
| Top Buffer sensor address | |
| Bottom Buffer sensor address | |
| Residual O2 content set point | |

Products of combustion results

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|--|--|
| O2 content | |
| CO (ppm) | |
| Print and attach results to service check list | |

Notes (report any damage or wear)

Large empty rectangular box for notes.

Signature of Service Engineer

Date