



Pre-commissioning Checklist UltraGas Hot Water Boilers

(valid for all sizes)

GENERAL INFORMATION	
Name (person who filled in the checklist)	
Site Name	
Site Address	
Post Code	
Site contact	
Phone number	
E-Mail	
Name of gas Installer (Company)	
Gas Safe Company number (Must be filled in)	
Name of Gas Safe Responsible person (Must be filled in)	
License Number of Gas Safe Responsible person (Must be filled in), We may check Gas Safe register to check if engineer hold the correct qualifications for the type of gas work	
Installed boilers	
How many	
Serial number If Known	
Comments	



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System

Electrical work complete up to Hoval control panel including any associated external sensors ALL BOILERS MUST BE FITTED WITH AN EXTENAL SAFETY INTERLOCK NOT COMBINED SAFETY AND ENABLE.	<input type="checkbox"/> Yes <input type="checkbox"/> No
Is the heating system fill and vented	<input type="checkbox"/> Yes <input type="checkbox"/> No
Is the heating water quality checked and in line with the boiler manufactures recommendations (see notes)	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the boilers installed on an unvented system, or a system above with a minimum of 15meters head above the boilers.	<input type="checkbox"/> Yes <input type="checkbox"/> No
What is the cold fill pressure	Bar
Suitable safety valve(s) fitted at correct point, together with Associated discharge pipe work	Size mm... Pressure bar
Are the boilers connected to a BMS system	<input type="checkbox"/> Yes <input type="checkbox"/> No
How are the boilers being controlled (please state) See Note above on safety interlocks.	0-10v Firing rate 0-10v Set point BMS enabled Hoval Gateway Others please state
Other manufacturers equipment has been installed and commissioned as necessary i.e. Pressure units, pumps and B.M.S	<input type="checkbox"/> Yes <input type="checkbox"/> No

Flue System/Ventilation

FLUE GAS SYSTEM / COMBUSTION – VENTILATION AIR	
Is the flue gas system Installed correctly?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Is the flue gas system gas tight?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Has the flue system been commissioned	<input type="checkbox"/> Yes <input type="checkbox"/> No
Flue commissioning certificate number	
Connected to a Fan Dilution Flue System?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the Safety interlock fitted in line with current gas regulations?	<input type="checkbox"/> Yes <input type="checkbox"/> No



Is each boiler fitted with the required flue sample test point which can be sealed
See examples below
(Commissioning engineer will not drill a sample point in the flue).

☐ Yes

☐ No

UltraGas 15-50 Balance flue kit



Necessary accessories
for ambient air independent operation

Connection set for ambient air
independent operation without
sound absorber
for UltraOil® (16-35),
UltraGas® (15-50), MultiJet® (20,25)
Consisting of:
corrugated pipe Ø 50 mm for
combustion air supply to burner.
Concentric boiler connection piece
E80 -> C80/125PP for flue gas
and supply air.
Necessary if no Hoval
LAS flue gas system is used.

6027 510

For ambient air independent operation with se-
parate combustion air duct (not concentric).

UltraGas 70-100 room dependent flue

for Hoval UltraGas® (70,90)



Horizontal flue gas connection E100PP
for UltraOil® (50), UltraGas® (70,90)
for the conversion of the vertical
flue gas connection (series delivery)
to a horizontal to rear routed
flue gas connection.

6016 933

UltraGas 70-100 Top Connection



UltraGas 125-1000






Ventilation installed in accordance with current Gas regulations (type of ventilation). If the correct ventilation is not installed the boilers will not be commissioned.	<input type="checkbox"/> Yes <input type="checkbox"/> No	Type of ventilation installed.
air supply free area	Low level mm ²	High level mm ²
Mechanical air supply Volume Lts/sec i	Supply air	
	Extract air	

GAS SUPPLY

Type of Gas (please indicate which type of gas being used)	Natural Liquid
Gas installed in line with current Gas regulations	<input type="checkbox"/> Yes <input type="checkbox"/> No
If firing on LPG has the conversion kit been supplied/ordered Modification set for propane 619 568 for UltraGas® (15-70), TopGas® comfort (10-22), TopGas® classic (35-120) Output range see technical data. Modification set for propane 6015 663 for UltraGas® (100) Output range see technical data Modification set for propane 6015 473 for UltraGas® (400-500) UltraGas® (800D-1000D) Output range see technical data. Modification set for propane 6015 474 for UltraGas® (575-720), H (720) UltraGas® (1150D-1440D) Output range see technical data. <div style="border: 1px solid black; padding: 5px; background-color: #f0f0f0;"> No conversion kit is required for boiler types UltraGas® (125-350) and (850,1000). Conversion must be performed in accordance with the instructions included with the delivery. </div>	<input type="checkbox"/> Yes <input type="checkbox"/> No
(No gas conversion fitted, no commissioning can take place). Gas supply pressure to the boilers (please note:- all higher pressure shown are maximums pressures). Natural UG15-100 18-50mb, UG125-720 18-80mb UG 850-1000 18-60mb, LPG UG 15-100 37-50mb UG125-1000 37-57mb	

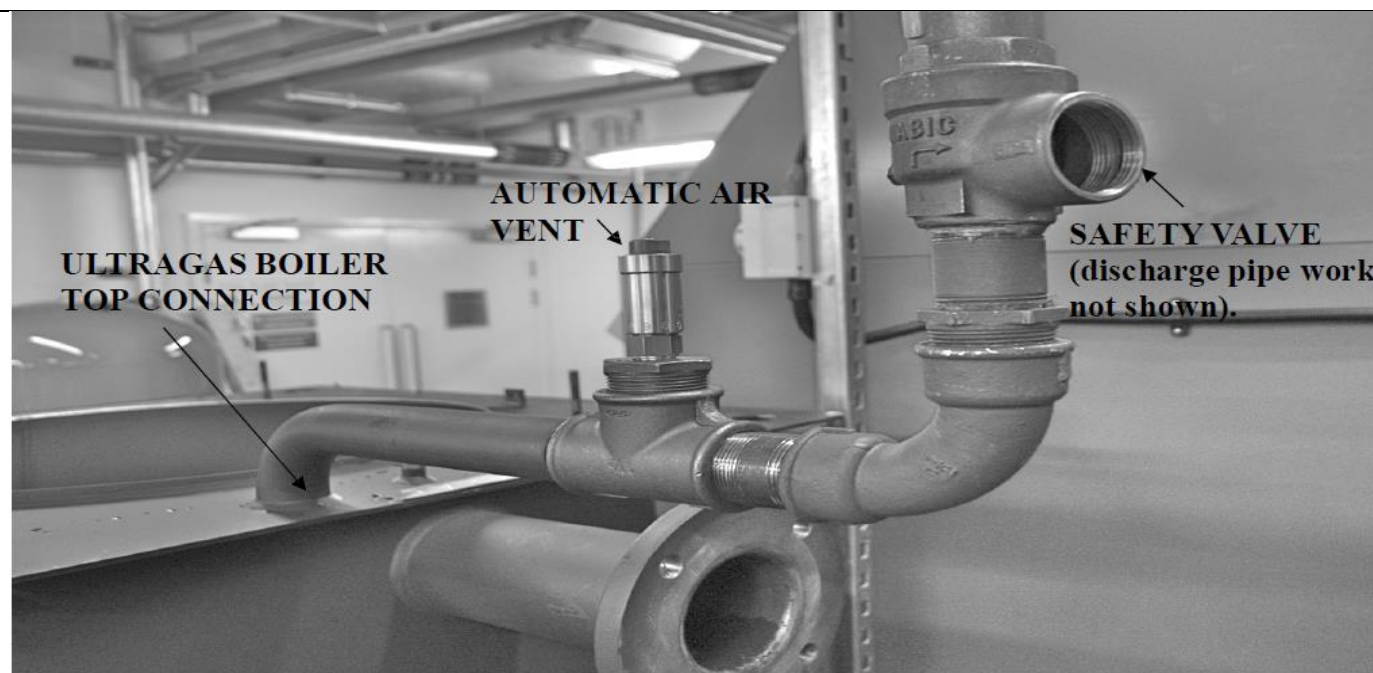


Gas filter UG 400-2000D fitted? Filter supplied loose for fitting by installer															
<div style="display: flex; align-items: center;">  <div> <p>Gas filter with measurement nozzle before and behind the filter inset (diameter: 9 mm) Pore width of the filter inset < 50 µm Max. pressure difference 10 mbar Max. inlet pressure 100 mbar</p> <table border="1"> <thead> <tr> <th>Type</th> <th>Connection</th> </tr> </thead> <tbody> <tr> <td>70612/6B</td> <td>Rp ¾"</td> </tr> <tr> <td>70602/6B</td> <td>Rp 1"</td> </tr> <tr> <td>70604/6B</td> <td>Rp 1¼"</td> </tr> <tr> <td>70603/6B</td> <td>Rp 1½"</td> </tr> <tr> <td>70631/6B</td> <td>Rp 2"</td> </tr> </tbody> </table> </div> </div> <p>(No gas filter fitted, no commissioning can take place).</p>		Type	Connection	70612/6B	Rp ¾"	70602/6B	Rp 1"	70604/6B	Rp 1¼"	70603/6B	Rp 1½"	70631/6B	Rp 2"	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Type	Connection														
70612/6B	Rp ¾"														
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70604/6B	Rp 1¼"														
70603/6B	Rp 1½"														
70631/6B	Rp 2"														
Gas pipe tested and purged (up to plant isolation valves), by others. Certificates MUST be available		<input type="checkbox"/> Yes <input type="checkbox"/> No													
Copy of Gas Test & Purge certificate on site for Commissioning engineer to inspect? (Without Certificate Commissioning may not take place).		<input type="checkbox"/> Yes <input type="checkbox"/> No													
Gas Test & Purged Certificate log number															

Example of Test and Purge Certificate.

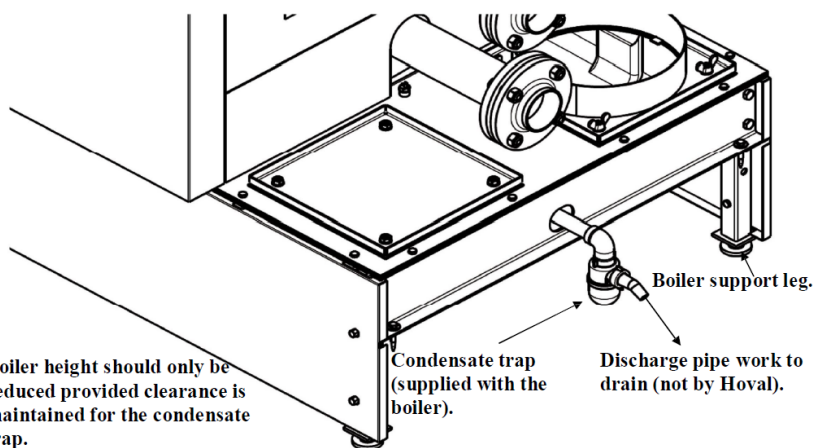
Boilers

Automatic Air Vents are fitted in the appropriate position and system filled and fully vented. FOR ULTRAGAS 125-2000D BOILERS (OUR ENGINEERS WILL NOT COMMISSION IF AN Automatic Air Vent, ARE NOT FITTED ON THE TOP CALORIFIER/SAFETY VALVE CONNECTION PIPE). See Diagram	<input type="checkbox"/> Yes <input type="checkbox"/> No
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Manufactures supplied condensate trap fitted
(If the manufactured supplied traps are not fitted commissioning cannot take place).

☐ Yes ☐ No



Condensate trap and drain pipe work **MUST** be fitted before commissioning.

Boiler will **NOT** be commissioned until fitted.

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Should the boiler support legs NOT be used, the manufactures supplied condensate **trap must** still be used, if required the boiler may be installed on a plinth or the floor cut out to accommodate the supplied trap.

Suitable access around the boilers for commissioning

☐ Yes ☐ No

Clearance around the boiler as per manufactures instructions

☐ Yes ☐ No

Is there a single power isolator fitted for boilers with 3 phase power supplies, (Single isolator to cut both 3 phase and single-phase supplies

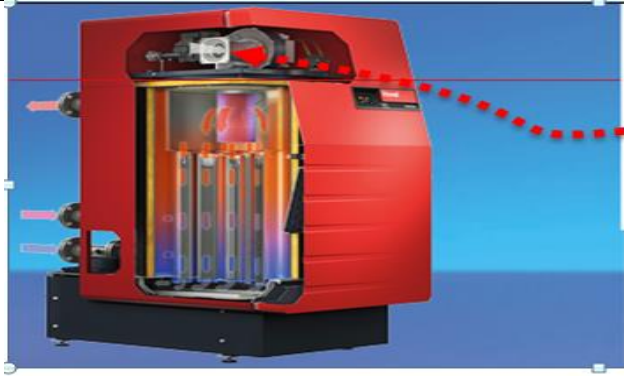
☐ Yes ☐ No

Sufficient lighting in Plant Room fitted and working?

☐ Yes ☐ No



Sufficient heat load is available to fire the boiler for commissioning This should be sufficient to allow all boilers to run on high fire for 30 minutes uninterrupted.	<input type="checkbox"/> Yes <input type="checkbox"/> No
Sufficient Gas available to fire all boiler on high fire without the pressure drop exceeding the stated amount in line with the current gas regulations.	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the boilers fitted to a common flue system	<input type="checkbox"/> Yes <input type="checkbox"/> No
If multiple boilers fitted to the same flue, are the air shut off dampers fitted? (the commissioning engineer may not commission the boilers if these dampers are not installed on this type of flue system).	<input type="checkbox"/> Yes <input type="checkbox"/> No



Air shut off damper for UltraGas® 125-1000

Motorised air intake shut off damper.
Connector for direct combustion air supply with motorised flaps. Can also be used for cascading boiler systems with a common flue arrangement. Complete with cabling.

UltraGas® 125-350 DN 110
UltraGas® 400-1000 DN 180

Fitted as standard on 2500-30000

6015 196
6015 197

Please Note:

- The engineer will instruct the person(s) responsible for the day-to-day operation of the boiler(s) as part of the commissioning. If no-one is available at the time of commissioning the boilers will be set up and then switched off. Any further visits to site for training will be chargeable.
- Hoval Commissioning Engineer will carry out the following check
- The boiler is filled with water and vented, and fitted with an Automatic Air Vent in the correct location
- The boiler is fitted with the manufactures condensate trap and piped to drain
- Any Dampers in the flue between the boiler and the chimney (if fitted) are in the open position and locked if manually operated type. If electronically operated, check to see that the burner is interlocked electrically to prevent operation of the boiler until the damper is fully open.
- Flue draught stabilisers if fitted are operational
- The electrical installation has been wired in accordance with the appropriate wiring diagram for the boiler
- The correct fan rotation of the burner and any other flue fan.
- Correct operation of the gas booster and interlocks (if fitted).
- The boiler has not been damaged in transit or during installation and that it is a suitable type for the fuel That is available on site.
- The nameplate on the boiler indicates for which type of fuel it is designed for



- Boiler controls settings are adjusted to suit system design.
- Any other interlocks are operational (if fitted).
- Check the flue system
- Check ventilation

Signed on behalf of the installer

Date