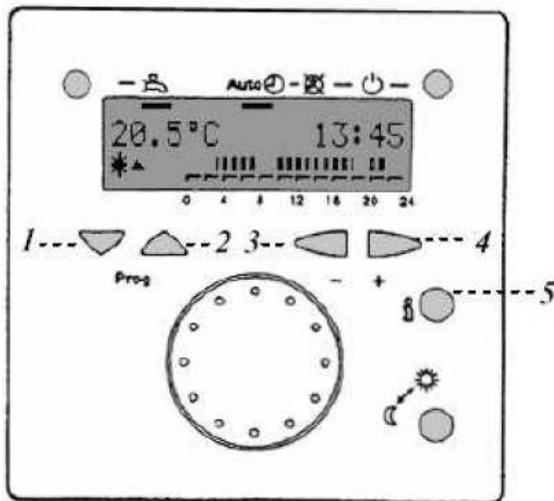


# BAXI Luna HT 1.650 Setup Natural Gas

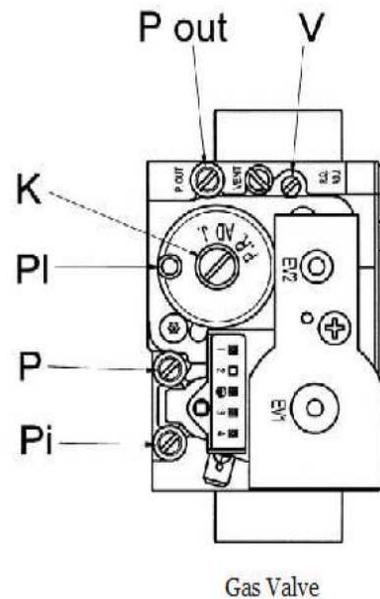
## Setting Parameters:

The editable parameters are those between 504 and 652. Proceed as follows to access these parameters:

1. Simultaneously press keys 1 and 4 on the QAA73 controller for approximately 3 seconds. The message “Initializing BMU parameters” appears on the display.
2. Simultaneously press keys 1 and 2 for approximately 3 seconds. Parameter 504 will appear on the display.
3. Press key 1 or 2 to scroll through the list of parameters.
4. To change the value of a selected parameter, press key 3 or 4 to decrease or increase the value respectively.
5. Press key 5 to enter the new values and exit programming of the boiler.



QAA73



# BAXI Luna HT 1.650 Setup Natural Gas

## CALIBRATION MODE:

Proceed as follows to enter “calibration mode” on the boiler control panel and calibrate the gas value:

1. Turn the control knobs 6 and (fig. 1) 7 fully counter-clockwise to their minimum positions as shown below.
2. Starting in this position, quickly turn control knob 7 twice, consecutively, clockwise approximately a E turn as shown below in fig. 2.  
**Note: LED's 2 and 3 (fig. 4) flash alternately and the display alternates the message “SF” and the boiler output temperature every five seconds (fig. 3).**
3. Now turn knob 6 to adjust the fan speed to a setting between minimum thermal power (0%) and maximum thermal power (100%).  
**Note: In “calibration mode”, the display alternates between the message “P” and the boiler output temperature about every 5 seconds. (fig. 4)**
4. Calibration mode remains active for 20 minutes. To exit “calibration mode” before this time simply turn control knob 7 twice, consecutively, clockwise approximately a E turn as shown in fig. 2.  
**Note: This function is interrupted if the central heating delivery temperature reaches its MAX. SETPOINT.**

## **PROCEED AS FOLLOWS TO CALIBRATE THE GAS VALVE:**

1. Ensure your combustion analyzer is set to NG, insert the flue probe into the flue opening on the top of the boiler, after removing the two flue test port plugs.
2. Calibrate maximum thermal power by turning knob 6 clockwise to max. With the boiler operating at max. output, check the value for CO<sub>2</sub> measured in the flue is **8.7%**. If necessary, turn the adjustment screw, or “V” screw, on the gas valve.  
**Turn clockwise to reduce the CO<sub>2</sub> level or counter-clockwise to increase it.**
3. Calibrate minimum thermal power. With boiler operating at minimum output by turning knob 6 counter-clockwise to minimum setting. Check the CO<sub>2</sub> value measured in the flue to **8.4% CO<sub>2</sub>**. If necessary adjust the “K” screw (4mm hex) on the gas valve. **Turn clockwise to increase the CO<sub>2</sub> level or counter-clockwise to reduce it.**

**Note: Allow time between adjustments for your combustion analyzer to sense the adjusted for your combustion analyzer to sense the adjusted CO<sub>2</sub> level. The boiler is now ready for normal operation using NG gas and can be returned to the service mode by turning control knob 7.**

# BAXI Luna HT 1.650 Setup Natural Gas

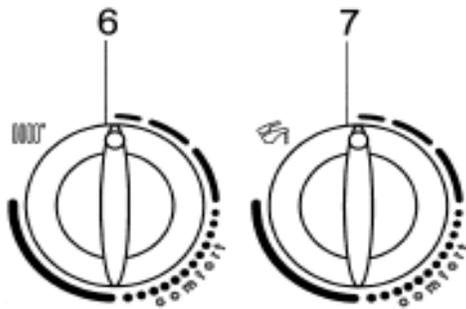


Fig. 26A

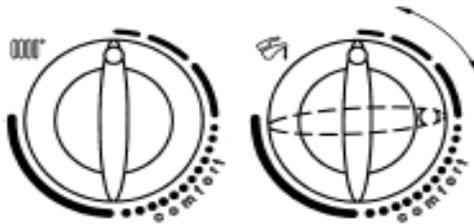


Fig. 26B

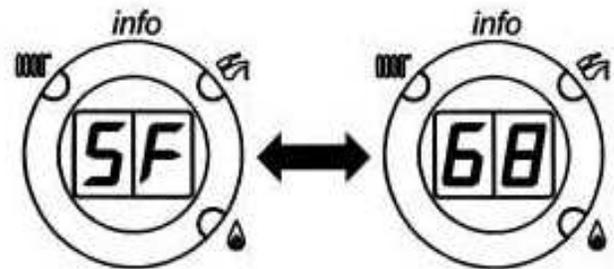


Fig. 3

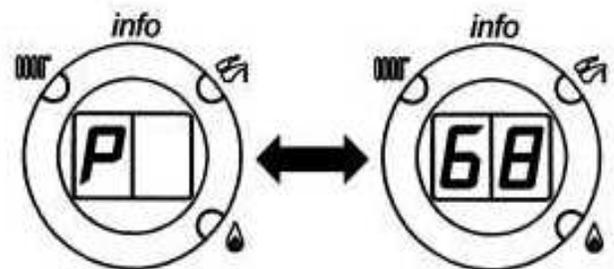


Fig. 4

## Resetting the HT 1.650 for Natural Gas

The following must be performed before calibrating the gas valve.

1. Turn the adjusting screw, or “V” screw (2.5 mm hex) on the gas valve all the way clockwise until the “V” is bottomed out. Then turn the “V” screw eleven complete revolutions counter clockwise.
2. On the QAA73 controller, which is connected to terminals 4 & 5 on the M2 bus terminal, set parameters 608 to **24%** and parameter 611 to **2000 rpm**.

# BAXI Luna HT 1.650 Setup Propane

## Before lighting Boiler

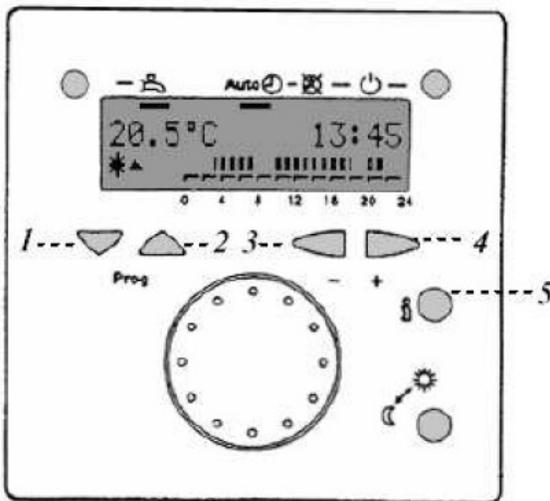
The following must be performed before calibrating the gas valve.

1. Turn the adjusting screw, or “V” screw (2.5 mm hex) Five complete revolutions clockwise.
2. On the QAA73 controller, which is connected to terminals 4 & 5 on the M2 bus terminal, set parameters 608 to **24%** and parameter 611 to **2000 rpm**.

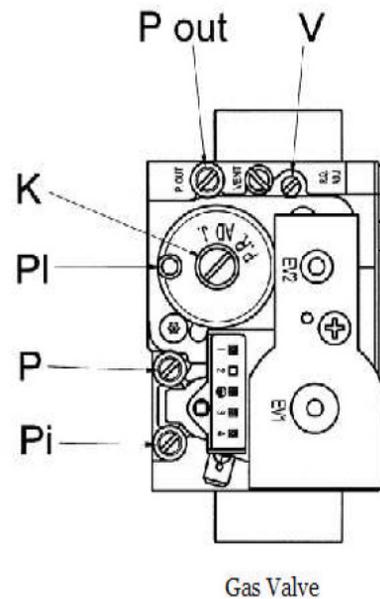
## Setting Parameters:

The editable parameters are those between 504 and 652. Proceed as follows to access these parameters:

1. Simultaneously press keys 1 and 4 on the QAA73 controller for approximately 3 seconds. The message “Initializing BMU parameters” appears on the display.
2. Simultaneously press keys 1 and 2 for approximately 3 seconds. Parameter 504 will appear on the display.
3. Press key 1 or 2 to scroll through the list of parameters.
4. To change the value of a selected parameter, press key 3 or 4 to decrease or increase the value respectively.
5. Press key 5 to enter the new values and exit programming of the boiler.



QAA73



# BAXI Luna HT 1.650 Setup Propane

## CALIBRATION MODE:

Proceed as follows to enter “calibration mode” on the boiler control panel and calibrate the gas valve:

1. Turn the control knobs 6 and (fig. 1) 7 fully counter-clockwise to their minimum positions as shown below.
2. Starting in this position, quickly turn control knob 7 twice, consecutively, clockwise approximately a ¼ turn as shown below in fig. 2.  
**Note: LED’s 2 and 3 (fig. 4) flash alternately and the display alternates the message “SF” and the boiler output temperature every five seconds (fig. 3).**
3. Now turn knob 6 to adjust the fan speed to a setting between minimum thermal power (0%) and maximum thermal power (100%).  
**Note: In “calibration mode”, the display alternates between the message “P” and the boiler output temperature about every 5 seconds. (fig. 4)**
4. Calibration mode remains active for 20 minutes. To exit “calibration mode” before this time simply turn control knob 7 twice, consecutively, clockwise approximately a ¼ turn as shown in fig. 2.  
**Note: This function is interrupted if the central heating delivery temperature reaches its MAX. SETPOINT.**

## **PROCEED AS FOLLOWS TO CALIBRATE THE GAS VALVE:**

1. Ensure your combustion analyzer is set to LPG, insert the flue probe into the flue opening on the top of the boiler, after removing the two flue test port plugs.
2. Calibrate maximum thermal power by turning knob 6 clockwise to max. With the boiler operating at max. output, check the value for CO<sub>2</sub> measured in the flue is **10.0%**. If necessary, turn the adjustment screw, or “V” screw, on the gas valve.  
**Turn clockwise to reduce the CO<sub>2</sub> level or counter-clockwise to increase it.**
3. Calibrate minimum thermal power. With boiler operating at minimum output by turning knob 6 counter-clockwise to minimum setting. Check the CO<sub>2</sub> value measured in the flue to **9.8% CO<sub>2</sub>**. If necessary adjust the “K” screw (4mm hex) on the gas valve. **Turn clockwise to increase the CO<sub>2</sub> level or counter-clockwise to reduce it.**

**Note: Allow time between adjustments for your combustion analyzer to sense the adjusted for your combustion analyzer to sense the adjusted CO<sub>2</sub> level. The boiler is now ready for normal operation using LPG gas and can be returned to the service mode by turning control knob 7.**

# BAXI Luna HT 1.650 Setup Propane

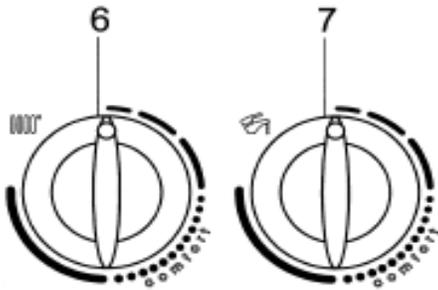


Fig. 26A

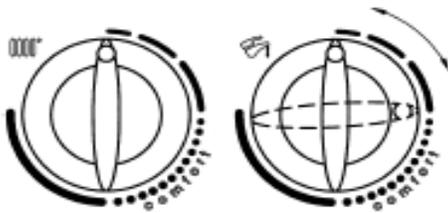


Fig. 26B

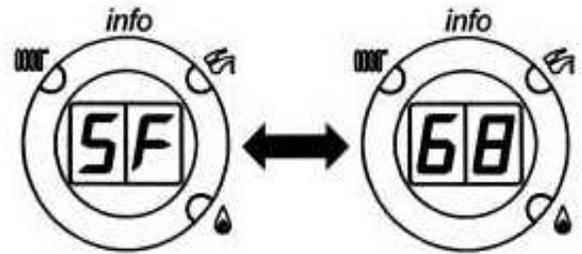


Fig. 3

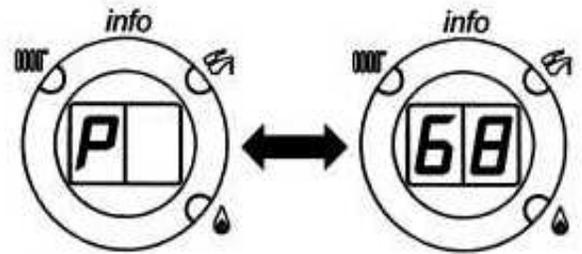
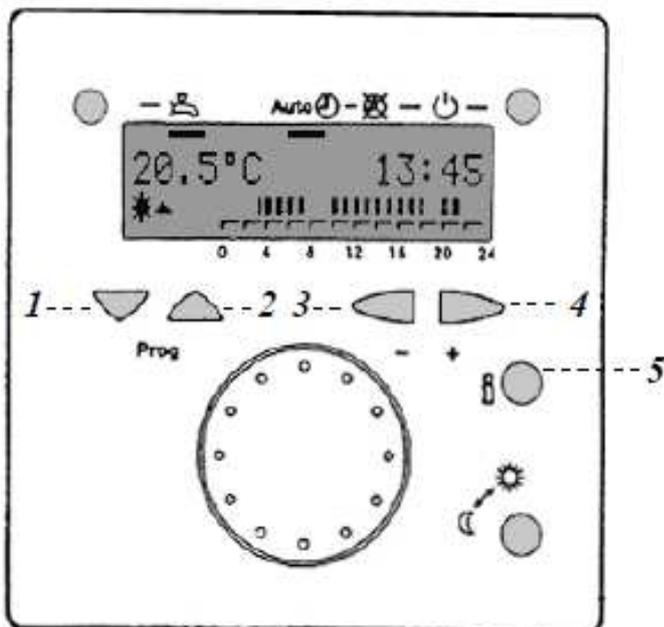


Fig. 4

# ADVANCED PARAMETERS

Using the QAA73 temperature regulator, it is possible to enter into main board LMU34 parameters.  
*En utilisant la commande à distance QAA73 il est possible changer quelque param /tres de la carte électronique LMU 34.*



The editable parameters are those between **504** and **652** (parameters 650 and 652 are only reading parameters).

Proceed as follows to access this parameters:

- 1) Simultaneously press *keys 1-4* on QAA73 remote control for about 3 seconds. The “**Initialising BMU parameters**” appears on the display (line 725).
- 2) Simultaneously press *keys 1-2* on QAA73 temperature regulator for about 3 seconds. The “**Initialising BMU SERVICE**” (line 504 “TkSmax”).
- 3) Press *keys 1-2* to scroll through the list of parameters.
- 4) To change the value of the selected parameter, press *key 3-4* to decrease or increase the value respectively.
- 5) Press *key 5* to enter the new values and exit programming of the boiler’s electronic main board.

*Les param /tres qui peuvent être modifiés sont compris entre 504 et 652 (Les param /tres 650 et 652 sont seulement de lecture).*

*La procédure pour accéder à ces param /tres est la suivante:*

- 1) appuyer en même temps sur les boutons **1-4** pour environ 3 seconds, jusqu’à l’affichage sur le display de l’écran “**Initialisation paramétrage BMU**” (par. 725);
- 2) appuyer en même temps sur les boutons **1-2** pour environ 3 seconds, jusqu’à l’affichage sur le display de l’écran “**Initialisation chauffagiste BMU**” (par. 504 “TkSmax”);
- 3) appuyer sur les boutons **1-2** pour sélectionner les param /tres;
- 4) Pour modifier les param /tres affichés appuyer les boutons **3-4** pour diminuer ou augmenter la valeur;
- 5) appuyer sur le bouton **5** pour mémoriser et sortir du niveau de programmation.

DEFAULT PARAMETERS LIST - LISTE DES PARAMETRES DE DEFAULT		LUNA HT				
		330	380	1.330	1.450	1.650
Q.AA73 parameters paramètres	Description / Description	33 kW	38kW	33 kW	45 kW	65 kW
504	Maximum flow setpoint temperature (°C) <i>Set point maximale (°C) de départ chauffage</i>	80				
516	Summer / winter changeover temperature <i>Température (°C) de commutation automatique Eté - Hiver</i>	30				
532	Heating curve slope heating circuit HC1 <i>Pente courbe 'kt' chauffage circuit HC1</i>	15				
534	Room temperature adjustment (°C) <i>Compensation de la température d'ambient (°C)</i>	0				
536	Maximum speed (rpm) at maximum output in heating mode (maximum speed limitation -rpm-) <i>Vitesse maximale du ventilateur en chauffage (puissance maximale en chauffage -rpm-)</i>	5400	5000	5400	5400	5800
541	Maximum degree of modulation in heating mode (%) <i>PWM (%) maximal en chauffage (%)</i>	100	90	100	100	
544	Overrun time (s) of pumps <i>Temps (s) de postcirculation de la pompe</i>	180				
545	Minimum burner pause time (s) <i>Temps (s) minimal de pause du brûleur en chauffage</i>	180				
555.0	Chimney sweep function / <i>Fonction RAMONAGE</i> ON =active OFF=deactivate/ <i>pas active</i>	OFF				
555.1	Legionella function / <i>Fonction ANTI LEGIONELLE</i> ON =active OFF=deactivate / <i>pas active</i>	ON				
555.2	Setting / <i>Affichage</i> ON = hydraulic differential pressure switch / <i>Pressostat différentiel hydraulique</i> OFF = pressure switch / <i>pressostat</i>	OFF				
555.3...555.7	NOT used / <i>Ne pas utilisés</i>	-				
608	Setting value of modulation air at ignition load (PWM%) <i>Valeur de PWM (%) : niveau d'allumage</i>	50	45	50	25	24

DEFAULT PARAMETERS LIST - LISTE DES PARAMETRES DE DEFAULT		LUNA HT				
		330	380	1.330	1.450	1.650
<i>QAA73 parameters</i> <i>paramètres</i>	Description / Description	33 kW	38kW	33 kW	45 kW	65 kW
609	Setting value of modulation (PWM%) air at low-fire; lower limit modulation range <i>Valeur de PWM (%) : puissance minimale</i>	18	18	18	21	21
610	Setting value of modulation (PWM%) air at high-fire; upper limit modulation range <i>Valeur de PWM (%) : puissance maximale</i>	100				
611	Setting value of required speed (rpm) at ignition load <i>Rpm : niveau d'allumage</i>	4100	3700	4100	2100	2000
612	Setting value of required speed (rpm) at low-fire <i>Rpm : puissance minimale</i>	1750	1750	1750	1900	1850
613	Setting value of required speed (rpm) at high-fire <i>Rpm : puissance maximale (sanitaire)</i>	5400	5600	5400	5400	5800
614	Open Therm input setting (QAA73) 0= only with QAA73 1= with Low Voltage room thermostat RT or QAA73 2= not used  <i>Entrée Open Therm (QAA73)</i> 0= seulement QAA73 1= thermostat d'ambiance TA en bas tension ou QAA73 2= pas prévu pour ces models	0				
641	Setting value post purge time (s) <i>Temps (s) de post ventilation</i>	10				
677	Not used	0				
678	MANUFACTURE information / Informations PRODUCTEUR	204	200	205	204	
651	Hydraulic system adjustment / Système hydraulique	2		1	7	
652	MANUFACTURE information / Informations PRODUCTEUR	2331	2381	1331	7451	7651

DEFAULT PARAMETERS LIST - <i>LISTE DES PARAMETRES DE DEFAULT</i>		LUNA HT				
		330	380	1.330	1.450	1.650
<i>Q-AA73 parameters</i> <i>paramètres</i>	Description / <i>Description</i>	33 kW	38kW	33 kW	45 kW	65 kW
<b>ONLY READING PARAMETERS / PARAMETRES DE LECTURE UNIQUEMENT</b>						
700 **	1st previous fault code counter / <i>Compteur 1° erreur précédente</i>			----		
702	1st internal previous fault code / <i>Code interne de 1° erreur précédente</i>			----		
703 **	2nd previous fault code counter / <i>Compteur 2° erreur précédente</i>			----		
705	2nd internal previous fault code / <i>Code interne de 2° erreur précédente</i>			----		
706 **	3rd previous fault code counter / <i>Compteur 3° erreur précédente</i>			----		
708	3rd internal previous fault code / <i>Code interne de 3° erreur précédente</i>			----		
709 **	4th previous fault code counter / <i>Compteur 4° erreur précédente</i>			----		
711	4th internal previous fault code / <i>Code interne de 4° erreur précédente</i>			----		
712 **	5th previous fault code counter / <i>Compteur 5° erreur précédente</i>			----		
714	5th internal previous fault code / <i>Code interne de 5° erreur précédente</i>			----		
715	Actual fault code counter / <i>Code interne de l'erreur actuelle</i>			----		
** The counter shows the number of times of same error happened / <i>Le compteur visualise le nombre de fois que la meme erreur se vérifie</i>						
728	HMI code of 1st previous error counter <i>Code anomalie HMI 1° erreur précédente</i>			----		
729	HMI code of 2nd previous error counter <i>Code anomalie HMI 2° erreur précédente</i>			----		
730	HMI code of 3rd previous error counter <i>Code anomalie HMI 3° erreur précédente</i>			----		

DEFAULT PARAMETERS LIST - <i>LISTE DES PARAMETRES DE DEFAULT</i>		LUNA HT				
		330	380	1.330	1.450	1.650
<i>QAA73 parameters</i> <i>paramètres</i>	Description / <i>Description</i>	33 kW	38kW	33 kW	45 kW	65 kW
731	HMI code of 4th previous error counter <i>Code anomalie HMI 4° erreur précédente</i>	-----				
732	HMI code of 5th previous error counter <i>Code anomalie HMI 5° erreur précédente</i>	-----				
733	HMI code of actual error counter <i>Code anomalie HMI erreur actuelle</i>	-----				