

FITTING INSTRUCTIONS

CONVERSION SET FOR PROPANE OR LPG (LIQUIFIED PETROLEUM GAS)

Gas type: 3P G31 (28-50mBar)

Atmos InterCombi HE32, Atmos InterSystem HE26, Atmos InterOpen HE22.

Order no: 075537(G31)

Contents:

Order no.	Description	Quantity
829267	Gas setting ring diameter 5,35 mm	1
875827	O-ring 19x2 NBR	1
889377	Sticker set gas type G31	2

Gasconfr / Gasconfr / Gasconfr / Type de gaz / Type of gas NL: Propane-G31 30-50mBar UK: Propane-G31 29mBar CH,DE,AT: Butilgasconfr-G31 50mBar FR: Propane-G31 37mBar IT: GPL 28/37mBar
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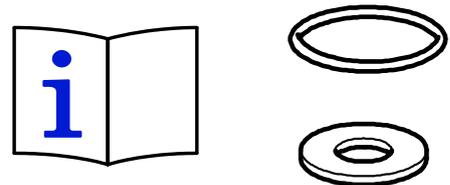
2x


CAUTION

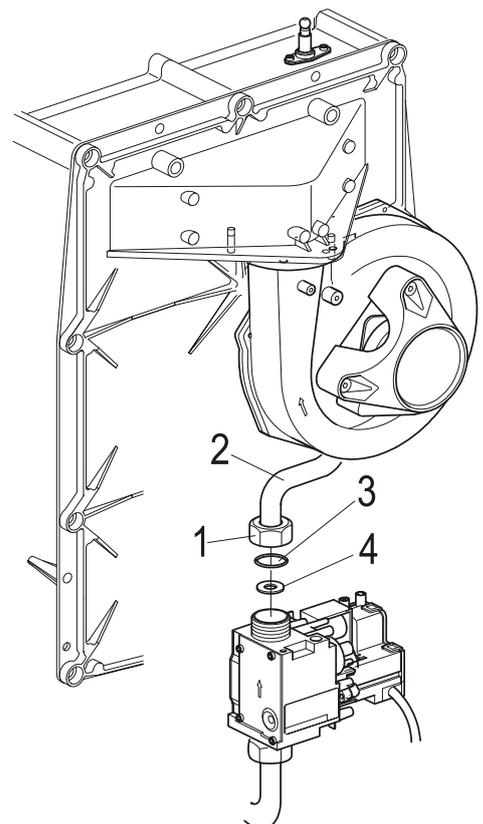
Activities on the gas-containing parts should only be executed by a qualified registered installer.

Conversion to other gas type

When the appliance is connected to another gas type than the type for which the manufacturer has set the appliance, the gas setting ring must be replaced.


Conversion of the setting ring

1. Switch off the electrical supply to the appliance.
2. Close the gas tap.
3. Remove the front cover of the appliance.
4. Disconnect the coupling (1) above the gas valve and turn the gas mixing pipe (2) backwards.
5. Replace the O-ring (3) and the gas setting ring (4) by the rings of the conversion set.
6. Reassemble in reverse order.
7. Open the gas tap.
8. Check the gas connections for tightness/ leaks.
9. Switch on the electrical supply to the appliance.
10. Change the parameters d and F to the values given in the table.
11. Now check the setting of the gas/air ratio. (See page 2)
12. Apply a sticker of the set gas type over the existing sticker on the gas mixing pipe (2).
13. Apply a sticker of the set gas type at the appliance plate.
14. Remount the front cover of the appliance.

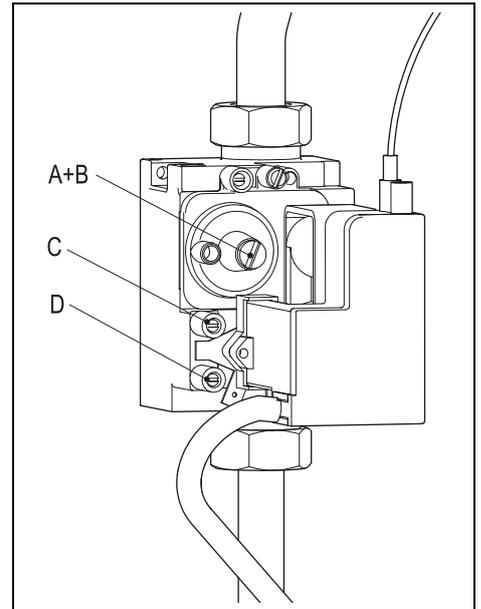

Setting values

Gas type	Natural gas H	Propane P
Gas category	2H G20 (20 mBar)	3P G31 (28-50mBar)
CO ₂ % at low position (L) (service and -)	8.8 – 9.0	9.8 – 10.0
CO ₂ % at high position (H) (service and +)	9.0 – 9.3	10.0 – 10.7
Gas inlet pressure (mBar)	20	37
Gas setting ring diameter (mm)	7.05	5.35
Minimum speed (% of max) (parameter d)	30	40
Min. starting speed (% of max) (parameter F)	70	50

Setting gas/air ratio by measuring the CO₂ content of the flue gases

Remark

- A CO₂ measuring nipple must be mounted right above the appliance in the flue discharge.
 1. Switch off the appliance using the *on/off* key ( on service display).
 2. Open the flue gas measuring nipple and connect the measuring hose.
 3. Switch on the appliance using the *on/off* key.
 4. Set the boiler to the lowest power by simultaneously pressing the “service” and “-“ keys on the operating panel until an  appears on the service display.
 5. Measure the CO₂ value. If the CO₂ value does not correspond with the value in the table, proceed as follows for setting:-
 6. Remove the front cover of the appliance.
 7. Remove the cover cap (A) with a flat screwdriver.
 8. Using a socket head wrench (4 mm), adjust the setting screw (B) to the correct CO₂ value (clockwise higher and counterclockwise lower).
 9. After measuring and setting, set the boiler to the highest output by simultaneously pressing the “service” and “+“ keys (twice) on the operating panel until an  appears on the service display.
 10. Measure the CO₂ value. Check that the CO₂ value corresponds with the value in the table. To exit the test mode, press simultaneously the “+“ and “-“ keys on the operating panel.
 11. Replace the cover cap (A) and close the flue gas measuring nipple.
 12. Remount the front cover of the appliance.



- A. Cover Screw
- B. Setting screw for the low position (socket head wrench 4 mm)
- C. Off-set pressure measuring nipple
- D. Inlet pressure measuring nipple

Caution: Check the measuring nipples used for gas tightness.

Setting the gas valve by pressure measurement:

This method is less accurate, but usually gives a sufficient result.

1. Switch off the appliance using the *on/off* key ( on service display).
2. Remove the front cover of the appliance.
3. Turn the measuring nipple (C) on the gas valve open with two turns and connect this through a tube to the plus connection of the pressure gauge.
4. Switch on the appliance using the *on/off* key.
5. Set the boiler to the lowest power by simultaneously pressing the “service” and “-“ keys on the operating panel until an  appears on the service display.
6. Read the pressure. This should be about -5 Pa or 0.05 mBar (min. -10Pa, max. 0 Pa or min.-0,1 mBar, max. 0 mBar)). When this is not the case, proceed as follows for setting:-
7. Remove the cover cap (A) with a flat screwdriver.
8. Set the pressure using setting screw (B) (socket head wrench 4mm) (clockwise higher and counterclockwise lower).
9. After measuring and setting, replace the cover cap (A) and close the measuring nipple (C).
10. Remount the front cover of the appliance.

Caution: Check the measuring nipples used for gas tightness.

Atmos Heating systems

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