

ENGLISH

DIGIT/ BRAVA PRO X E- X EF- X ER

MODIFICATION OF THE BOILER PRESET GAS

The modification must be carried out ONLY by the Service Centre or authorised technicians using the components included in the special kit.

Single out the components included inside the kit.

METHANE KIT	L.G.P KIT
n° 13 METHANE nozzles	n° 13 L.G.P. nozzles
n° 13 copper seals	n° 13 copper seals
n° 2 METHANE stickers	n° 2 L.G.P stickers
N° 1 diaphragm *	

The following procedures can be adopted when setting the boiler for L.P.G. (with the L.G.P kit) or for METHANE (with the METHANE kit).

Single out the boiler type: X E, X EF, X ER.

	TYPE	OPERATIONS
1	X ER	remove the front panel of the sealed chamber by loosening its screws.
1	X E, X EF	--
2	X ER	remove the front panel of the combustion chamber.
2	X E, X EF	--
3	X E, X EF, X ER	Remove the burner assembly from the nozzles-holder manifold.
4	X E, X EF, X ER	Replace the nozzles and the copper seals with the parts included in the kit.
5	X E, X EF, X ER	Re-install the burner.

Single out the gas valve type:

Honeywell WK4105 (HW) or SIT845 (SIT).

	GAS VALVE	OPERATIONS
6	HW, SIT	Install (L.P.G./METHANE shift) or remove (METHANE/L.P.G. shift.)* the diaphragm located between the discharge pipe and the gas valve.
7	HW, SIT	Select the gas type on the modulation board by moving the jumper J7 (Fig.1)
8	HW, SIT	Remove the modulator cover.
9	HW, SIT	Loosen the plug from the gas valve pressure inlet and check the incoming pressure with a pressure gauge (see the table below). Check the values when the boiler is working.
10	HW, SIT	Re-install the plug from gas valve pressure inlet, open the gas valve outlet and connect the pressure gauge to it.
11	HW, SIT	Turn the screw/adjustment nut counter-clockwise by 2 revs; turn the electrical system and the heating system on; the flame on the main burner lights on.
12	SIT	Check the pressure gauge value and adjust the max. gas pressure screw.

* Valid only for countries where the network gas is supplied at two pressures.

		This value corresponds to the max. burner power
13	HW, SIT	Disconnect the electric contacts of the modulator and adjust the min. gas pressure by turning the corresponding screw (see table).
14	HW	Press the modulator tip and adjust the max. gas pressure by turning the corresponding screw, this value corresponds to the max. burner power (see table).
15	HW, SIT	Re-connect the contacts of the modulator and check the pressure values previously set.
16	HW, SIT	Re-install the cap and seal the adjustment screws (e.g. with a drop of paint).
17	HW, SIT	Adjust the ignition pressure (Pacc) as follows: On the modulation card: move the jumper J16 (Fig.1) in order to enable the parameter change mode, the display lights. By using the + and – buttons of the sanitary system set the values of the Pacc as shown on picture 1 for L.G.P. and METHANE. Move the jumper J16 to its original position to enable the parameter change mode. The display stops lighting.
18	HW, SIT	Disconnect the pressure gauge and place the plug on the pressure outlet.
19	HW, SIT	Place the METHANE (N.G.) or L.G.P. sticks on the gas valve and on the rating plate.

NOZZLES DIAMETER AND GAS PRESSURE

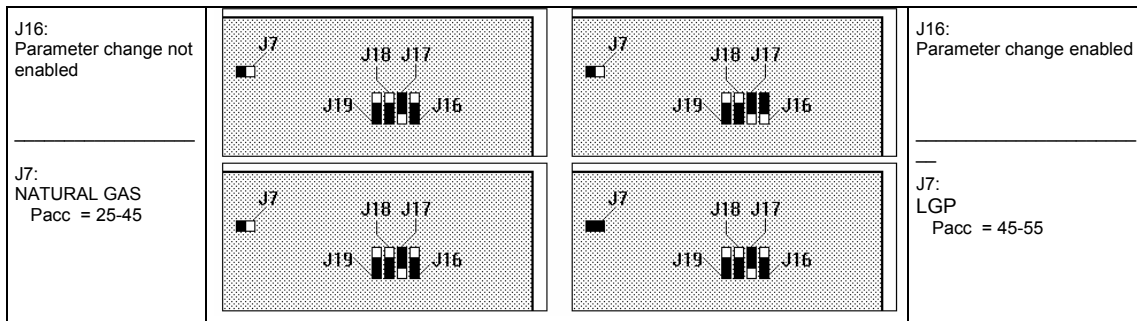
Burner Nozzles	Incoming Pressure	Max. Pressure	Min. Pressure
N. G.= 1,30 mm LGP= 0,75 mm	N. G = 20,0 mm LGP = 37,0 mm	N. G = 10,0 mbar LGP = 35,0 mbar	N. G = 0,9 mbar LGP = 3,6 mbar

Commento:

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CARD JUMPER



caldaia	ugelli bruciatore	pressione ingresso	pressione massima	pressione minima
M.B.P. X E/EF/ER	G.N. = 1,30 mm GPL = 0,75 mm	G.N. = 20,0 mm GPL = 37,0 mm	G.N. = 10,0 mbar GPL = 35,0 mbar	G.N. = 0,9 mbar GPL = 3,6 mbar
MEDI X E/EF/ER	G.N. = 1,35 mm GPL = 0,80 mm	G.N. = 20,0 mm GPL = 37,0 mm	G.N. = 12,0 mbar GPL = 35,0 mbar	G.N. = 0,9 mbar GPL = 3,6 mbar
MAX. S/P ER	G.N. = 1,30 mm GPL = 0,75 mm	G.N. = 20,0 mm GPL = 37,0 mm	G.N. = 10,0 mbar GPL = 35,0 mbar	G.N. = 0,9 mbar GPL = 3,6 mbar