FEG Chaffoteaux

The condensation tradition

PIGMA GREEN
TALIA GREEN SYSTEM

Household gas boiler family for working in combined mode and for heating

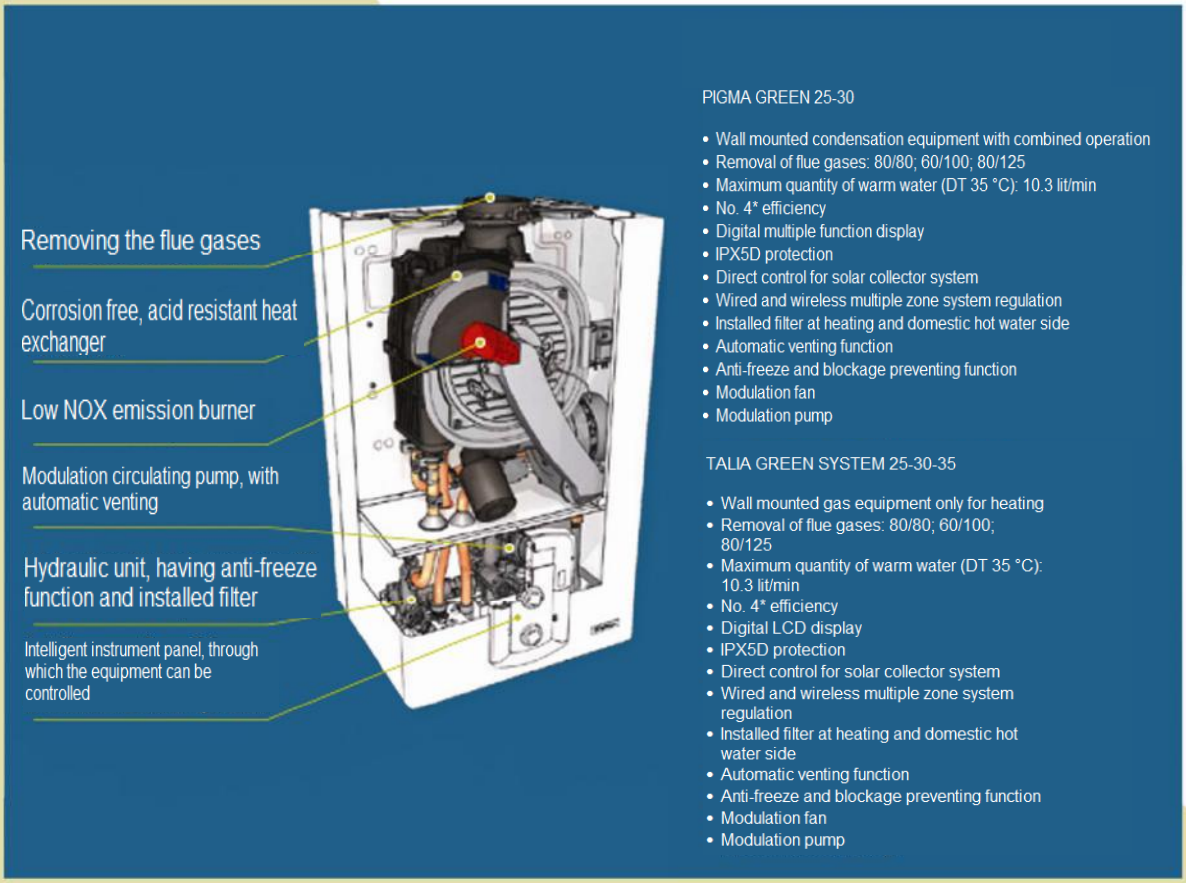
Reviving tradition

FEG Chaffoteaux

PIGMA GREEN AND TALIA GREEN SYSTEM

The concept of condensation:

The purpose is to utilize the extra energy in the flue gases for increasing the temperature of the return water of the heating system. The extra energy (latent heat or hidden heat) provides the condensation energy, as a result of which the flue gases cool down below the dew point to an extent, that the condensate is converted to water. The gas energy (lower heating value) is utilized much more efficiently as compared to traditional devices. With this technology it is possible to save energy in the range 25-50 %.



PIGMA GREEN 25-30

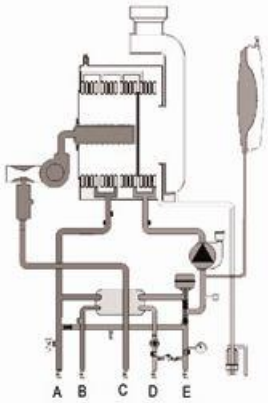
- Wall mounted condensation equipment with combined operation
- Removal of flue gases: 80/80; 60/100; 80/125
- Maximum quantity of warm water (DT 35 °C): 10.3 lit/min
- No. 4* efficiency
- Digital multiple function display
- IPX5D protection
- Direct control for solar collector system
- Wired and wireless multiple zone system regulation
- Installed filter at heating and domestic hot water side
- Automatic venting function
- Anti-freeze and blockage preventing function
- Modulation fan
- Modulation pump

TALIA GREEN SYSTEM 25-30-35

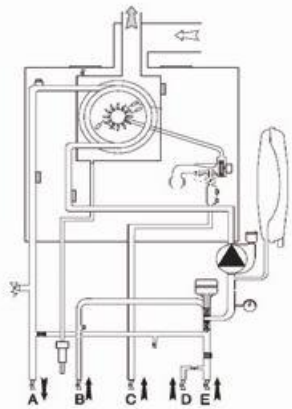
- Wall mounted gas equipment only for heating
- Removal of flue gases: 80/80; 60/100; 80/125
- Maximum quantity of warm water (DT 35 °C): 10.3 lit/min
- No. 4* efficiency
- Digital LCD display
- IPX5D protection
- Direct control for solar collector system
- Wired and wireless multiple zone system regulation
- Installed filter at heating and domestic hot water side
- Automatic venting function
- Anti-freeze and blockage preventing function
- Modulation fan
- Modulation pump

Technical specifications

PIGMA GREEN HYDRAULIC DIAGRAM



TALIA GREEN HYDRAULIC DIAGRAM

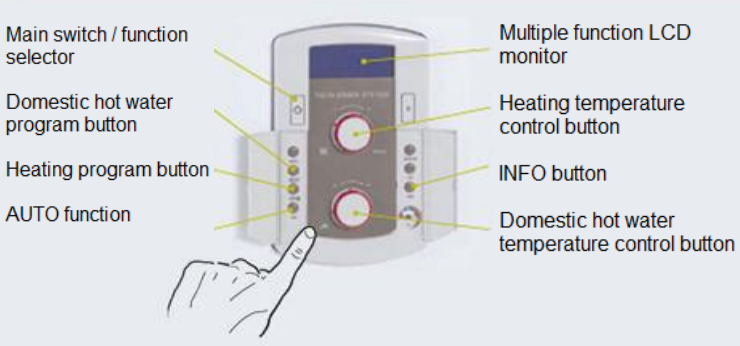


Model name		PIGMA GREEN 25	PIGMA GREEN 30	TALIA GREEN SYSTEM 25	TALIA GREEN SYSTEM 30	TALIA GREEN SYSTEM 35
Category of boiler type		C13 C33 C43 C53 C63 B23 B33				
CE permit number		CE-0085BR0347				
Rated capacity of heating max/min (60/80 °C) (Hi)	kW	22.0/5.5	28.0/ 6.5	22.0/ 5.5	28.0/ 6.5	31.0/ 7.0
Rated capacity of heating max/min (60/80 °C) (Hi)	kW	24.4/5.5	31.1/7.2	24.4/ 6.1	31.1/ 7.2	34.4/ 7.8
Rated capacity of domestic hot water max/min (60/80 °C) (Hi)	kW	25.0/5.5	30.0/ 6.5	25.0/ 5.5	30.0/ 6.5	34.5/ 7.0
Rated capacity of domestic hot water max/min (60/80 °C) (Hi)	kW	27.7/6.1	33.3/ 7.2	27.7/ 6.1	33.3/ 7.2	38.3/ 7.8
Rated capacity of domestic hot water max/min	kW	25.0/5.0	30.0/ 5.5	25,0/ 5.0	30.0/ 5.5	35.0/ 5.5
Efficiency at rated capacity (60/80 °C) (Hi)	%	97.5/87.8	97.5/ 87.8	97.5/ 87.8	97.5/ 87.8	97.5/ 87.8
Efficiency at rated capacity (30/50 °C) Hi/Hs	%	107.0/96.3	107.0/ 96.3	107.0/ 96.3	107.0/ 96.3	107.0/ 96.3
Efficiency at 30 % 30 °C Hi/Hs	%	107.0/96.3	107.0/ 96.3	107.0/ 96.3	107.0/ 96.3	107.0/ 96.3
Efficiency at 30 % 47 °C Hi/Hs	%	101.0/90.9	99.0/ 89.1	101.0/ 90.9	99.0/89.1	99.0/89.1
Efficiency at minimum capacity Hi/Hs	%	95.0/85.5	95.0/ 85.5	95.0/ 85.5	95.0/ 85.5	95.0/ 85.5
Efficiency class ("Star") (dir. 92/42/EEC)	No.	4	4	4	4	4
Rating sedbuk (International quality class)	Class	A	A	A	A	A
Temperature of flue gas (G20)	°C	65	65	65	65	65
Nox category (1-5)	No.	5	5	5	5	5
Excess air ratio	%	1,27	1,27	1,27	1,27	1,27
System shutoff pressure	bar	0.25	0.25	0.25	0.25	0.25
Maximum pressure at heating side	bar	3	3	3	3	3
Capacity of expansions tank	lit	8	8	8	8	8
Heating temperature max/min (high range)	°C	85/25	85/ 26	85/25	85/26	85/ 27
Domestic hot water operating range max/min	°C	60/36	60/36	-	-	-
Hot water quantity DT = 25 °C	lit/min	14,4	15,4	-	-	-
Hot water quantity DT = 35 °C	lit/min	10,3	10,3	-	-	-
Pressure at domestic hot water side max/min	bar	10/0.3	10/0,3	-	-	-
Maximum condensate quantity	lit/h	2,4	2,4	2,4	2,4	2,4
Operating voltage	V/Hz	230/50	230/50	230/ 50	230/50	230/ 50
Rating	W	120	130	120	130	150
Electrical protection	IP	X5D	X5D	X5D	X5D	X5D
Mass	kg	32	35	43	48	48
Dimensions (L x W x D)	mm	745/400/380	745/400/380	745/440/385	745/440/455	745/440/455

A: Heating delivery pipe 3/4"
B: Domestic hot water delivery pipe 1/2"
C: Gas 3/4"
D: HMV supply 1/2"
E: Heating return pipe 3/4"

PIGMA GREEN INSTRUMENT PANEL

TALIA GREEN INSTRUMENT PANEL



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