



**EXCELLENCE
IN HOT WATER**

A BRAND OF GROUPE ATLANTIC

NECO

**FLOOR STANDING
OIL BOILER**



NECO

COMPACT STEEL FUEL BOILER

The N eco series boilers are oil appliances, that are certified in accordance with European standards (EN15034). They also bear the Belgian label “OPTIMAZ” (oil boiler).

The N eco series are single-circuit (heating) boilers providing a heating output range from 25 to 43 kW. Three different models are available:

- N1 eco model (provided with BMV3 burner) maximum output: 25 kW.
- N2 eco model (provided with BMV4 burner) maximum output: 30 kW.
- N3 eco model (provided with MBV5 burner) maximum output: 43 kW.

The N eco boilers can be directly connected to the flue pipe, using a B23-type connection.

EASY CONTROL, GUARANTEED SAFETY

The heating circuit water temperature is adjusted through the control thermostat, whose bulb is located next to the outlet section of the boiler. A manual reset safety thermostat stops the burner if the primary circuit fluid temperature reaches 103°C. A minimum thermostat, fitted at the rear of the boiler and preset at 45°C, delays the heating pump activation. This prevents the risks of corrosion of the combustion chamber.

PRODUCTION OF DOMESTIC HOT WATER

The N eco boilers can be combined with any ACV hot water production tank.

NECO

HOW DOES IT WORK?

- Floor standing boiler with robust and reliable steel construction
- Supplied with a burner
- Ecodesign compliant
- Ideal low-cost choice for both replacement and new installations
- Factory fitted stove enamel casing and glass wool insulation
- Simple to install - and very easy to maintain with left/right handed door opening
- 3 models with outputs of 25, 30 and 43 kW
- Control panel including thermostats, combined temperature and pressure gauge and on/off switch
- Can be used in battery formation for higher output installations
- Multi pin plug and socket for electrical connection

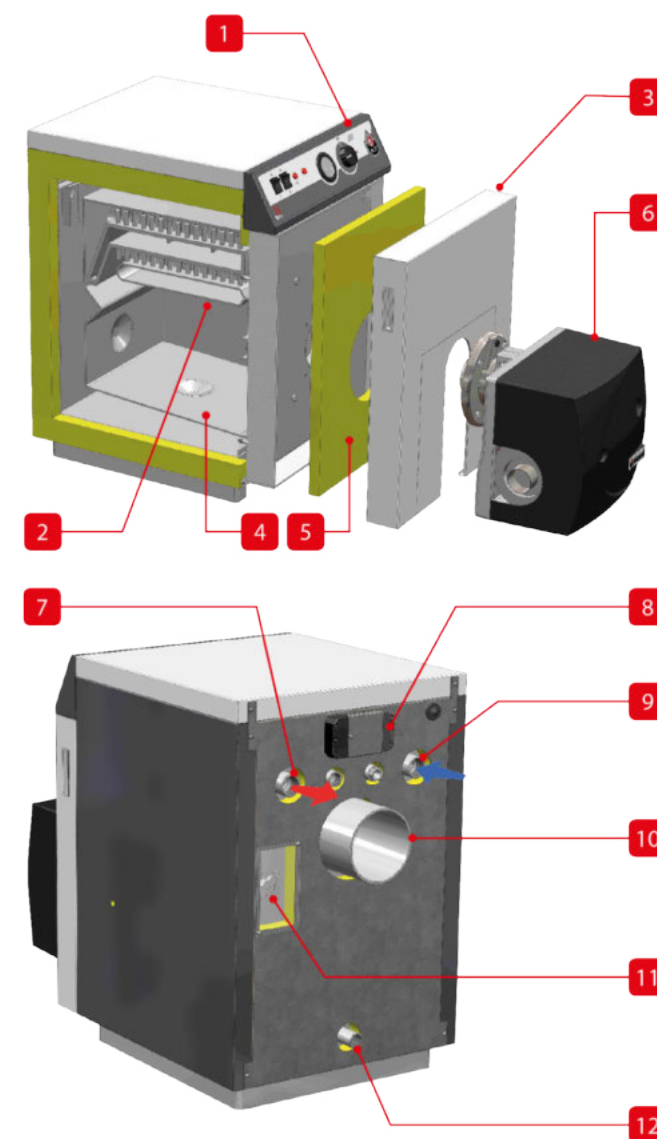


CHARACTERISTICS

1. Control panel
2. Heat exchanger
3. Front panel
4. Heating body
5. Burner chamber plate
6. Oil burner (delivered with appliance)
7. Heating circuit supply
8. Electrical supply connection plug of the boiler
9. Heating circuit return
10. Flue pipe connection
11. Minimum thermostat set at 45°C (T.O.D.)
12. Connection of draining valve

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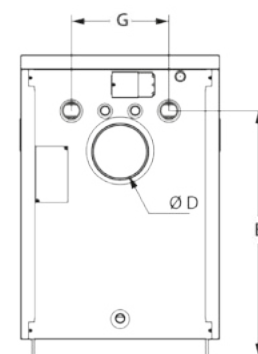
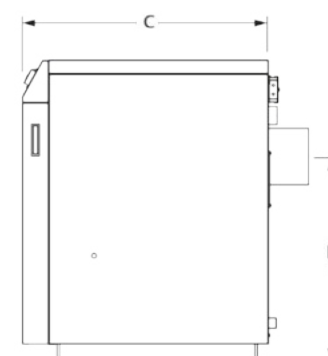
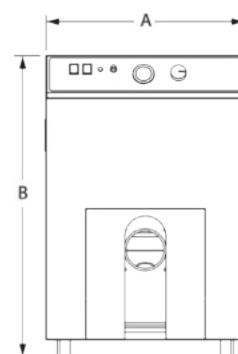
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TECHNICAL CHARACTERISTICS AND DIMENSIONS

Type		N1 eco + BMV3	N2 eco + BMV4	N3 eco + BMV5
Reference		A1004841	A1004842	A1004843
Fuel		Fuel	Fuel	Fuel
Input max (heating) LCV	kW	25,6	31,3	45,1
Input max (heating) HCV	kW	27,3	33,4	48,2
Output power max (80/60°C)	kW	24,7	30,3	43,4
Efficiency at 30% load (EN677)	%	98,47	97,93	97,66
Capacity (primary)	L	31	37	53
Connection - heating	Ø"	1 F	1 F	5/4 F
Chimney connection	Ømm	130	130	150
Max operating temperature	°C	90	90	90
Max service pressure heating (primary)	bar	3	3	3
Voltage	V	230	230	230
Protection IP		20	20	20
Electrical consumption	W	203	217	220
Dimensions A	mm	470	470	530
Dimensions B	mm	700	765	805
Dimensions C	mm	565	565	655
Dimensions D	mm	130	130	150
Dimensions E	mm	550	615	645
Dimensions F	mm	445	510	550
Dimensions G	mm	260	260	260
Weight (empty)	kg	108	122	157
Space heating energy efficiency class		B	B	B

CONNECTION TO THE CHIMNEY

B23



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