

# VIADRUS

*Power of heating*

## Claudius K2L

### Condensing floor-standing gas boiler

Claudius K2L condensing boiler is based on „silumin” material boiler block and it is equipped with Siemens LMU64 high-tech control unit. It allows to control room temperature, one or two heating circuits and DHW preparation. Optional „clip-in” module extends its possibilities to another one heating circuit or solar system connection.

Claudius is environmentally friendly condensing boiler with very low emissions and wide power modulation.

There are three heating output versions based on number of boiler sections. Each output version is delivered with one of three equipment levels:

- with circulation pump and three-way valve,
- with circulation pump only,
- without neither circulation pump or three-way valve.

#### **Advantages:**

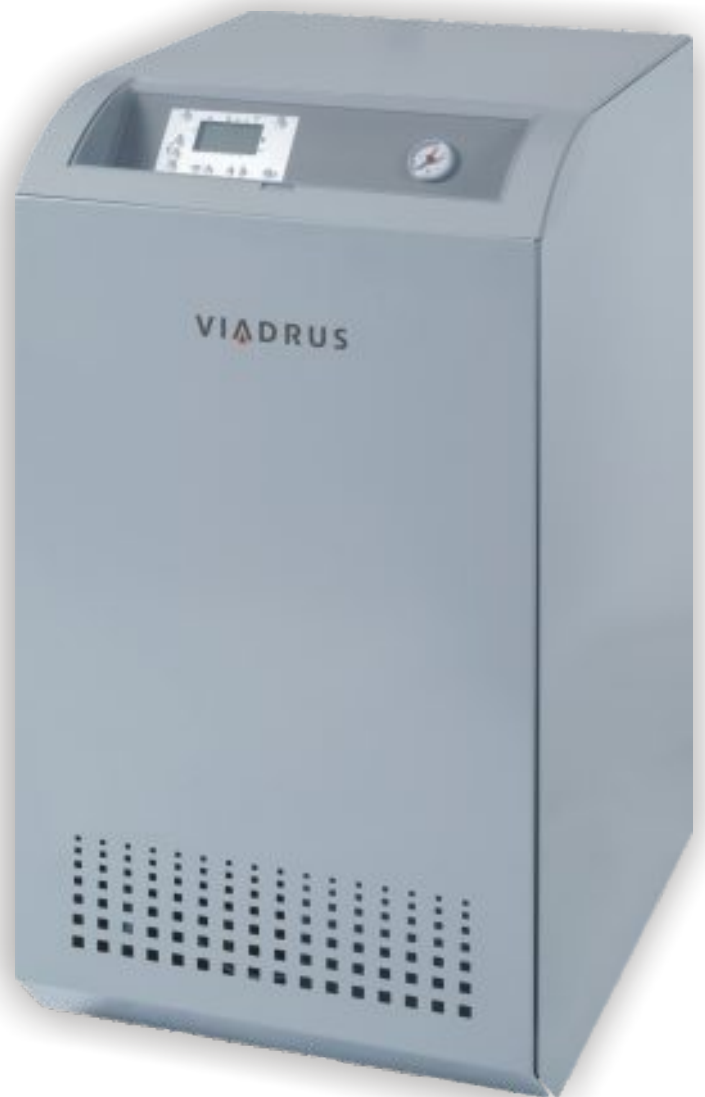
- top-quality control unit by Siemens
- low gas consumption
- efficiency up to 106,6%
- quiet running
- heating output wide modulation range
- external temperature sensor compatible
- up to three different heating circuits control
- equithermic boiler control
- independent DHW timer
- variable flue gases exhaust
- upgradable main control unit

#### **Fuel:**

- natural gas

#### **Boiler output (according to section number):**

- 3,5~49,5 kW



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## Technical parameters

| Section number  | pcs                  | 2               | 3                                 | 5               |
|---|----------------------|-----------------|-----------------------------------|-----------------|
| Appliance category                                    | -                    |                 | I <sub>2H</sub>                   |                 |
| Appliance performance                                 | -                    |                 | B <sub>23</sub> , B <sub>53</sub> |                 |
| NO <sub>x</sub> class                                 | -                    |                 | 5                                 |                 |
| Heating output range for temperature gradient 50/30°C | kW                   | 3,5~16,0        | 5,3~24,0                          | 11,5~49,5       |
| Rated heating output for temperature gradient 80/60°C | kW                   | 14,5            | 21,7                              | 45,0            |
| Fuel consumption                                      | m <sup>3</sup> /hour | 0,38~1,76       | 0,43~2,53                         | 1,17~5,04       |
| Efficiency for temperature gradient 50/30°C           | %                    | <101,4          | <106,6                            | <106,0          |
| Efficiency for temperature gradient 80/60°C           | %                    |                 | <98,0                             |                 |
| Flue gases maximal temperature                        | °C                   | 70              | 85                                | 65              |
| Dimensions - width x height x depth                   | mm                   | 485 x 934 x 560 | 485 x 934 x 560                   | 570 x 934 x 560 |
| Weight  | kg                   | 60              | 69                                | 95              |
| Air intake and flue gases outlet connection diameter  | mm                   |                 | Ø80                               |                 |
| Gas connection  | -                    |                 | 3/4"                              |                 |
| Heating and return water connection                   | -                    |                 | 3/4"                              |                 |
| DHW connection  | -                    |                 | 3/4"                              |                 |
| Condensate drain                                      | mm                   |                 | Ø16                               |                 |
| Working overpressure of heating water circuit         | kPa                  |                 | <250                              |                 |
| Testing overpressure of heating water circuit         | kPa                  |                 | 600                               |                 |
| Working overpressure of DHW circuit                   | kPa                  |                 | <600                              |                 |
| Recommended water working temperature                 | °C                   |                 | 30~80                             |                 |
| Water volume  | l                    | 6               | 9                                 | 13              |
| Connecting voltage                                    | -                    |                 | 1 PEN ~ 50 Hz 230 V TN-S          |                 |
| Maximum electric input                                | W                    | 110             | 110                               | 110             |
| Control panel electric protection                     | -                    |                 | IP41                              |                 |
| Noise level   | dB                   |                 | <65                               |                 |

Rear view



Boiler design DHW storage tank



Control panel



**QAA 73.110**  
room unit



**AQU 2.530**  
Clip-In module

Your dealer