

# VIADRUS

*Power of heating*

## ViaKON

### Condensing wall-hung gas boilers

ViaKON represents a range of condensing wall-hung gas boilers equipped with special premix burner. This burner guarantees very low emission value while keeping wide range of power modulation. Ultra-slim heat exchanger is made of silumin alloy for optimal heat transfer from burner to heating system. There are three types of boilers in ViaKON boiler range: ViaKON 24 for heating only (external hot water storage tank can be used), ViaKON 24 P with hot water flow heater and ViaKON 24 B with built-in stainless steel hot water storage tank of 60 litres capacity. Microprocessor control unit allows to connect both standard room thermostat and modulating regulator. Separated turning switches for setting hot water and heating system temperatures are ideal for simple operation even for older people.

#### Advantages:

- simple operation
- high efficiency up to 107,2%
- quiet running
- wide range of power modulation
- ready for external temperature sensor
- stainless steel hot water storage tank (ViaKON 24 B)
- easy mounting, assembly and service
- two independent thermal zones control
- frost protection
- modulating thermostat compatible
- easy fuel conversion from natural gas to propane

#### Fuel:

- natural gas
- propane

#### Boiler output (according to type):

- 4~24,1 kW

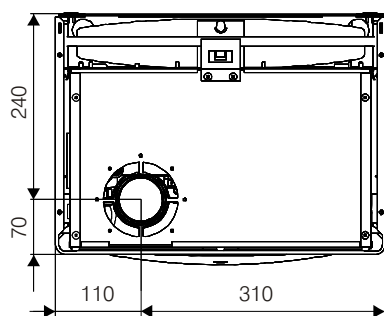


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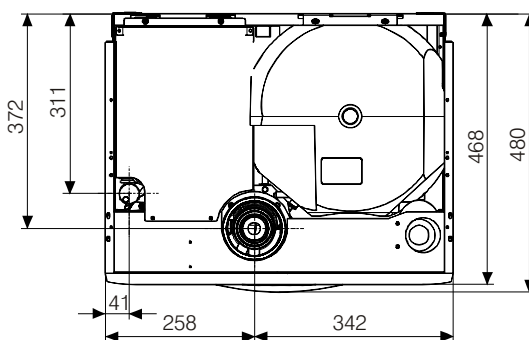
## Technical parameters

Boiler type		ViaKON 24	ViaKON 24 P	ViaKON 24 B
Appliance category	-		II <sub>2H3P</sub>	
Star number according to 92/42/EHS	-		****	
NO <sub>x</sub> class	-		5	
Modulating output for heating	kW	4,4~24,0	4,4~24,0	4,0~24,1
Fuel consumption - natural gas	m <sup>3</sup> /hour		0,45~2,52	
Fuel consumption - propane	kg/hour		0,33~1,85	
Efficiency	%	<107,13	<107,13	<106,10
Flue gases max. temperature	°C	58,2	58,2	61,6
Dimensions - width x height x depth	mm	420 x 700 x 310	420 x 700 x 310	600 x 885 x 480
Weight	kg	33	36	64
Co-axial flue gases outlet / fresh air inlet	-	60/100 mm x 3,6 m or 80/125 mm x 6 m		
Gas connection	-	3/4"		
Heating and return water connection	-	3/4"		
Hot water connection	-	1/2"		
Heating water working overpressure	kPa	50~300	50~300	30~300
Hot water working overpressure	kPa	-	50~600	50~600
Recommended water working temperature	°C		30~80	
Hot water temperature range	°C	-	38~60	35~65
Hot water specific flow for thermal drop 30°C	l/min		-	10,815,2
Heating system expansion tank volume	l	6,0	6,0	7,5
Heating system water volume for temp. up to 90°C	l	<111	<111	<139
Condensate production	l/hour	<3,83	<3,83	<4,04
Connecting voltage	-	1 PEN ~ 50 Hz 230 V TN-S		
Maximum electric input	W	132	132	152
Electric protection	-	IP X4D		

Top view - ViaKON 24 / 24 P



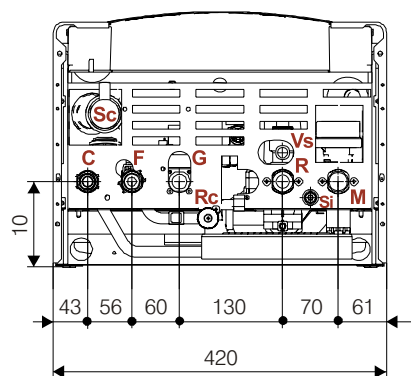
Top view - ViaKON 24 B



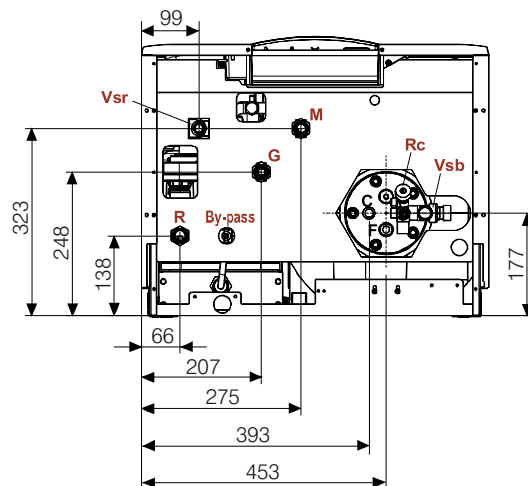
Heat exchanger cross section



Bottom view - ViaKON 24 / 24 P



Bottom view - ViaKON 24 B



- R** return water inlet
- M** heating water outlet
- F** cold water inlet
- C** hot water outlet
- G** gas inlet
- Rc** fill-in valve
- Si** drain valve
- Vs(r)** safety valve, heating system
- Vsb** safety valve hot water tank
- Sc** condensate outlet

Your dealer