

ALKON 09



MODEL ALKON 09			R 18	R 24	C 24
Nominal output min-max	Condensing	kW	4,7÷18,4	4,7÷24	4,7÷24
	Conventional	kW	4,2÷17,4	4,2÷23	4,2÷23
Nominal input			18	23,8	23,8
η in Condensation at min load			107,13	107,13	107,13
Efficiency class (directive 92/42 CEE)			★★★★	★★★★	★★★★

The new requirements and the sensibility of the users towards the environment protection and energy saving, have pushed the market of the domestic boilers more and more towards the condensation.

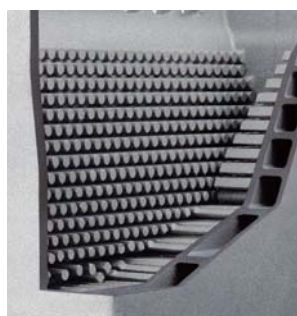
Unical, among the first italian companies to tight believe in this technology, presents ALKON 09, with features and functions which make it excellent:

- Output in condensing mode 4,7÷18,4 kW for R18 and 4,7÷24 kW for R 24 and C 24
- Efficiency > 107%
- Modulation ratio ca. 1:5
- D.H.W. production of 13,2 l/min, with stainless steel plate heat exchanger
- Primary heat exchanger in Al/Si/Mg ultra-flat (<12 cm of depth)
- D.H.W. fast temperature increasing system
- Management of two heating zones at different temperature (high/low)
- Operation with outer temperature sensor
- Digital display
- Compact dimensions (700x420x310)
- Protection degree IP X4D

Details

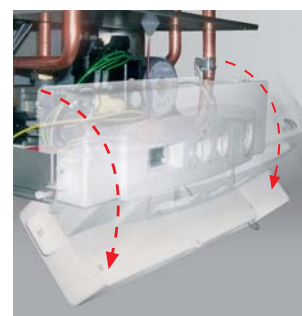
Exchanger/condenser

Original design by Unical in Al/Si/Mg anticorrosion alloy, is characterized by the low water content and by the low thermal inertia. The dense finnings allows a high thermal exchange capacity and a high condensation.



Rotating panel board

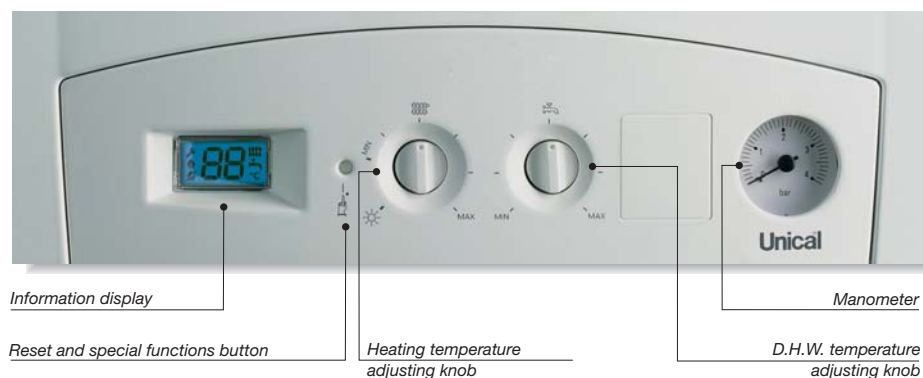
Comfortable to open, it allows to perform the jobs of maintenance with extreme facility, thanks, also, to the inside ample spaces of movement.



Panel board

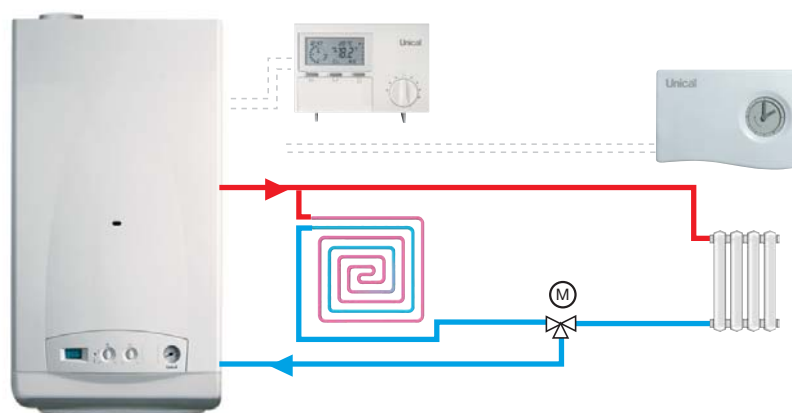
Essential for the user, through it, in fact, he can better exploit all the functions of the boiler.

For this reason the panel board of ALKON 09 is *immediate, visible also in the dark, of easy use* for every body. And all the service operations are facilitated by its *downwards rotation*.



How to manage 2 zones by 2 thermostats!

ALKON 09 also means flexibility of installation. Ideal for all the installations, thanks to the electronics that, besides the control of the operation and the diagnostic, allows to manage 2 heating zones working at different temperature (high for radiators and fan-coils, low for floor heating), controlling them by high saving thermostats.



Technical data and dimensions

Model		R 18	R 24	C 24
NOMINAL OUTPUT (in condensing operation)	kW	4,7 ÷ 18,4	4,7 ÷ 24	4,7 ÷ 24
NOMINAL INPUT	kW	18	23,8	23,8
WATER EFFICIENCY at nominal input (IN CONDENSING OPERATION)	%	102,08	100,92	100,92
WATER EFFICIENCY at 30% load (IN CONDENSING OPERATION)	%	107,1	107,2	107,2
WATER EFFICIENCY at nominal input (IN TRADITIONAL OPERATION)	%	96,63	96,47	96,47
WATER EFFICIENCY at 30% load (IN TRADITIONAL OPERATION)	%	95,19	95,19	95,19
MAXIMUM PRODUCTION OF CONDENSATE	kg/h	2,9	3,83	3,83
CO ₂	%	9,5	9,5	9,5
NO _x	mg/kWh	35,5	38,8	38,8
D.H.W. PRODUCTION in continuous operation with Δt 25K	l/min	-	-	13,2
ELECTRICAL SUPPLY Tension/Frequency	V/Hz	230/50	230/50	230/50
MAXIMUM ABSORBED OUTPUT	W	132	132	132
PROTECTION DEGREE	IP	X4D	X4D	X4D
NET WEIGHT	kg	33	33	36

5 year
guarantee

Thanks to its particular technical configuration, synonymous of quality and safety, the ALKON 09 boiler bodies are supplied with a 5 year guarantee.

