



CONDENSA R

5.24 - 5.32

wall mounted condensing boiler
with D.H.W. production

CONDENSA R

data are indicative



D.H.W. production

Boilers **CONDENSA R** hot water (D.H.W.) is produced by an instantaneous stainless steel AISI 316 sized to exchange all the power available in the health system (for mod. 5.24R power is 24,50 kW and 11,7 lts/min with Δt 30°C)

The temperature regulation is entrusted to an electronic system that guarantees precision constant temperature disbursement.

The **CONDENSA R** integrated as standard, the electronics for the management of the solar circuit (SolarSystem card).

Available in **HE** version with high efficiency pump and in a version for outdoor installation (model R Esterna 5.32)

Wall mounting condensing boilers SILE CONDENSA 5.24-5.32 R are whole unit heat generators working with natural gas and L.P.G. and with premixed condensation with very high and constant efficiency. These boilers follow the European Legislations 92/42/CEE. Water efficiency to 108, 6%, it refers to gas P.C.I., consents to obtain high energy savings.

The electronic ignition with ionization control flame and the continuous modulation (from 20% to 100%) are controlled electronically with a micro-processor of new generation keeping constant the relationship between air and gas.

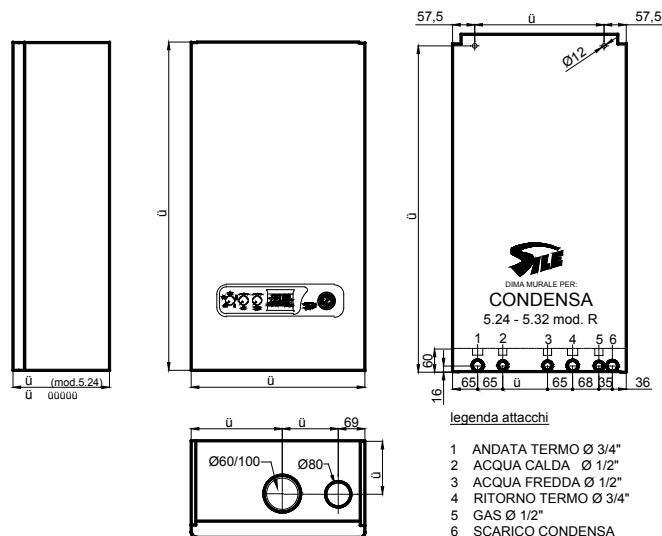
The ecological burner creates a flame combustion called "cold" and it allows the drastic reduction of emissions such as nitrogen and carbon monoxide. There are values less than the maximum ecological class 5' following the EN 483 regulations.

Characteristics

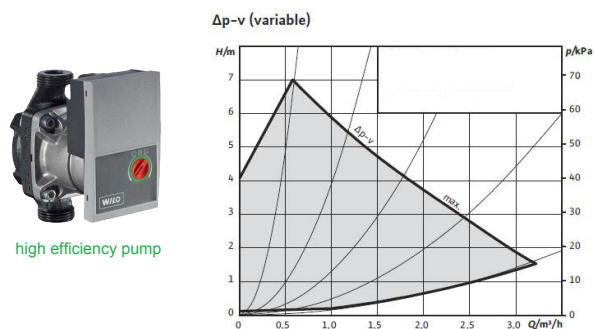
- Stainless steel boiler body
- Tested CE by KIWA
- SART function: temperature automatic selection output in relation to the demand (low 25-45 or high 25-85 C), in mixed plants with SDS (differentiated set point)
- Automatic self diagnosis
- Antifreeze system on two levels
- Circulator antilock system
- Timing of the heating circuit. It reduces the number of turning off/on of the burner
- Remote control SILE (optional) with function ACC (self auto acceptance of the climatic curve)
- Working with "flowing temperature" with external probe
- Condensation discharge with specific siphon or tap
- Circulation pump
- Smokes discharge Ø80 mm. in PP.

CONDENSA R		5.24	5.24 HE	5.32
Output 50/30°C	kW - kcal/h	25,40-21.850	25,40-21.850	31,80-27.350
Output at 100% at 80/60 °C	kW - kcal/h	23,50-20.210	23,50-20.210	29,40-25.280
Reduced output at 80/60 °C	kW - kcal/h	5,30-4.560	5,30-4.560	6,50-5.590
Power D.H.W. circuit	kW - kcal/h	24,50-21.070	24,50-21.070	29,40-25.280
Power (P.C.I.)	kW - kcal/h	24,00-20.640	24,00-20.640	30,00-25.800
Reduced capacity P.C.I.	kW - kcal/h	5,50-4.730	5,50-4.730	6,70-5.762
Efficiency rating (EN 92/42/CEE)	stelle	★★★★	★★★★	★★★★
Max pressure heating circuit	bar	3,0	3,0	3,0
Total boiler capacity	l	2,5	2,5	3,5
Expansion tank	l	7	7	10
Inlet pressure of gas (G20)	mbar	20	20	20
Empty weight	kg	38	38	42
Minimum and maximum pressure D.H.W. circuit	bar	0,5÷7	0,5÷7	0,5÷7
Electric power	W	140	100 (57÷100)	160
Supply voltage - lighting frequency	V - Hz.	230 - 50	230 - 50	230 - 50
Domestic hot water production Δt 30°C	l/min	11,7	11,7	14,1
Smokes temperature at 80/60 °C	°C	77	77	77
Efficiency at 100% at 50/30°C	%	106	106	106
Efficiency at 100% at 80/60 °C	%	98	98	98
Efficiency at 30% a 40/30 °C	%	108,6	108,6	108,6
CO with 0% di O ₂	p.p.m.	< 30	< 30	< 30
NO _x with 0% di O ₂	p.p.m.	< 28	< 28	< 28
Max electric power circulation pump	W	86	46 (3÷46)	116
Max electric power fan and aux.	W	54	54	54

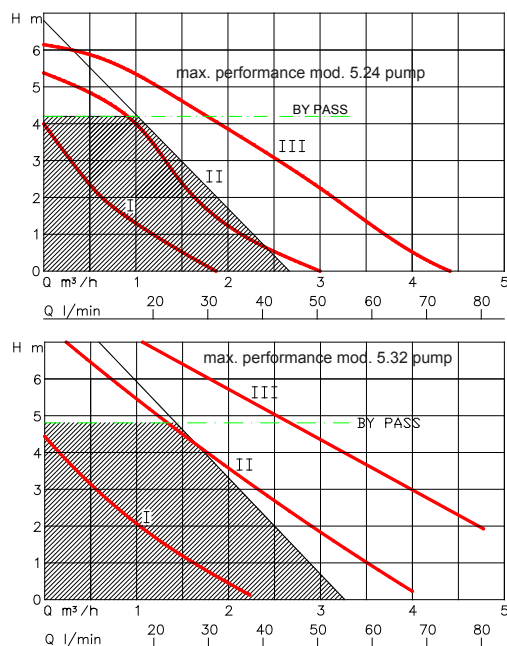
Dimensions



High efficiency pump diagram (only for 5.24 HE model)



Electric pump diagrams



Water treatment and cleaning of the plants

Water in the thermal plants must be always treated following regulations UNI 8065 in order to keep a good working of the boiler



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