



CONDENSA

60 N - 75 N - 100 N

wall mounted condensing boilers
for termal plants

CONDENSA 60 - 75 - 100 N

data are indicative

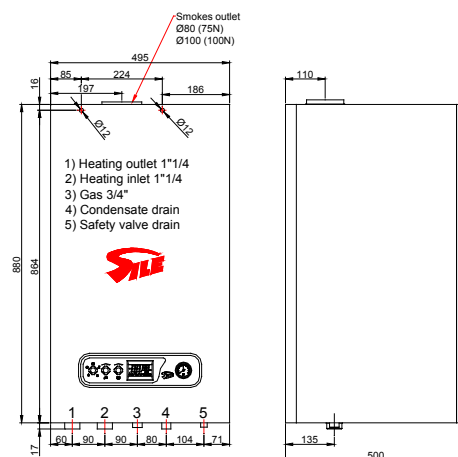


Wall mounting condensing boilers SILE CONDENSA 60-75-100 N are whole unit heat generators working with natural gas and L.P.G. and with pre-mixed condensation with very high and constant efficiency. These boilers follow the European Legislations 92/42/CEE. Water efficiency to 108, 6%, it refers to gas P.C.I., consents to obtain high energy savings. Sile Condensa 60- 75-100 N be installed in thermal plants.

The electronic ignition with ionization control flame and the continuous modulation (from 20% to 100%) are controlled electronically with a microprocessor 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.

Dimensions



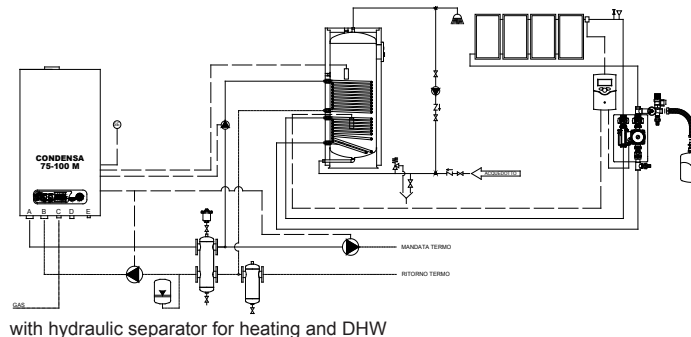
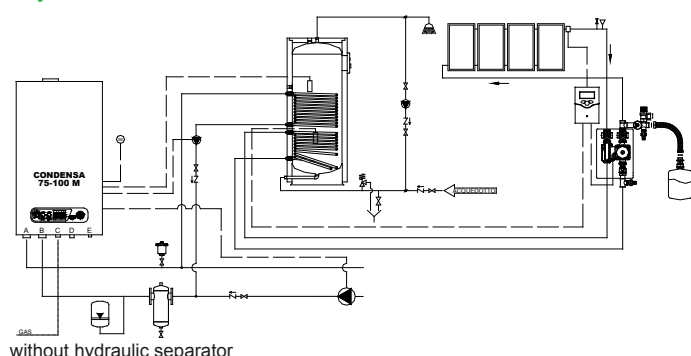
Characteristics

- 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
- High efficiency circulation pump (optional)
- Smokes discharge p.p. pipe: Ø100mm. mod. 100, Ø80mm. mod. 75-60

Water treatment and cleaning of the plants

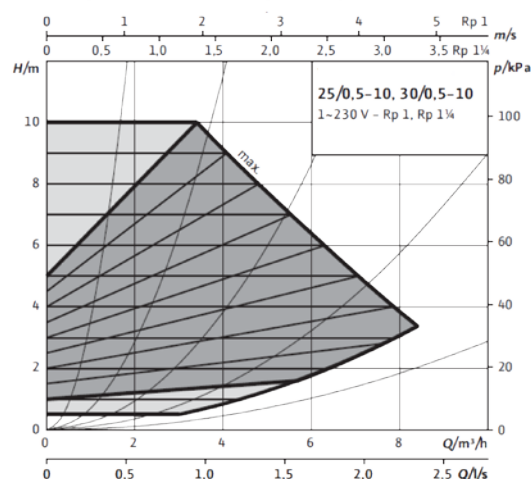
Water in the thermal plants must be always treated following regulations UNI 8065 in order to keep a good working of the boiler

Hydraulic schemes



CONDENSA		60 N	75 N	100 N
Output 50/30°C	kW	60,0	75,8	97,1
Power (P.C.I.)	kW	57	70,0	90,0
Efficiency at 100% at 50/30°C	%	106	106	106
Output at 100% at 80/60 °C	kW	55,3	67,9	87,6
Efficiency at 100% at 80/60 °C	%	97,0	97,0	97,3
Reduced output P.C.I.	kW	14,0	14,0	18,0
Reduced output at 80/60 °C	kW	13,4	13,4	17,1
Efficiency at 30% a 40/30 °C	%	108,6	108,6	108,6
Efficiency rating ErP	--	A	A	-
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 pressure heating circuit	bar	6	6	6
Total boiler capacity	ltr	6	6	6
Expansion tank	ltr	to be sized	to be sized	to be sized
Inlet pressure of gas (G20)	mbar	20	20	20
Empty weight	kg	65	65	75
Electric power	W	140	140	140
Supply voltage - lighting frequency	V - Hz.	230-50	230 - 50	230 - 50
IP Rating		IPX4D	IPX4D	IPX4D

Electric HE pump (optional) diagram



SILE S.p.A.

via Principale, 41 - 31030 CASIER (TV) - Italy - Tel. +39 0422 672911 (r.a.) - Fax +39 0422 340425 - [http:// www.sile.it](http://www.sile.it) - e-mail: infosile@sile.it

