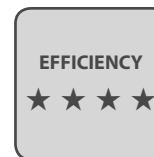


**COMMERCIAL RANGE**  
CONDENSING BOILERS

**MONOLITE GT**  
PREMIXED THERMAL ASSEMBLY  
*Nominal pressure 5bar*



**Main features**

AISI 316 Ti stainless steel, passing flame combustion chamber, vertical heat exchanger, condensing MONOLITE GT Boiler is able to produce hot water with a maximum temperature of 100 °C. Equipped with pre-mix, gas fuel burner with cylindrical, heat radiating body with low NOx emissions. In compliance with directives 90 /396/CEE (gas) - CEE 311/06 (efficiency) label, 89 /336/CEE (electromagnetic compatibility), 72/23/CEE (low voltage).

Some of the product's main features are related below:

- frame composed out of steel vertical profile structure, complete with floor support.
- large cylindrical combustion chamber manufactured from AISI 316 Ti stainless steel, TIG pulse welded, able to withstand acid condensate attack.
- AISI 316 Ti anti acid stainless steel, vertical heat exchange surfaces, TIG welded, attached perpendicularly to the combustion chamber, consisting of stainless steel plates printed with special conformity specifications in order to increase heat exchange surface, and facilitate condensate droplet formation, allowing adequate drainage. Heat exchange surface vertical arrangement also facilitates condensate drainage, ensuring an effective plate self-cleaning function.
- welding carried out with TIG method, method which does not require weld material, and therefore guarantees stainless steel main mechanical characteristics, without sacrificing corrosion resistance to acid condensation.
- flanged supply connection and two system return connections for boiler differential temperature input and ensure minimum possible temperature in lowest point of the condensation curve and then take maximum advantage from the condensation process even in the presence of medium-high temperature returns.
- smoke chamber able to collect resulted condensate and discharge it through a water trap connected to a neutralizer (where provided) to the domestic water drainage system.
- high water content and low thermal load.
- pre-mix, modulating, radiating burner, power modulation between minimum and maximum power depending on instantaneous heat load requirement; allows maximum acoustic comfort and low pollutant emissions.
- heat dispersion surface insulation with thick glass wool mattress, protected with steel varnished panels that can be easily removed
- front door with reversible steel sheet opening thermally insulated with ceramic fiber.

**Standard equipment:**

- Complete insulating casing
- Pre mix burner

Accessories	Code
<b>Acid condensate Neutralizer system</b>	
Neutralizer	81020001
Neutralizer with pump	81020002

<b>Control panels</b>	
Thermostatic control panel	QCOND01ELMCE

*Features can be seen in "Thermostatic control panels section"*

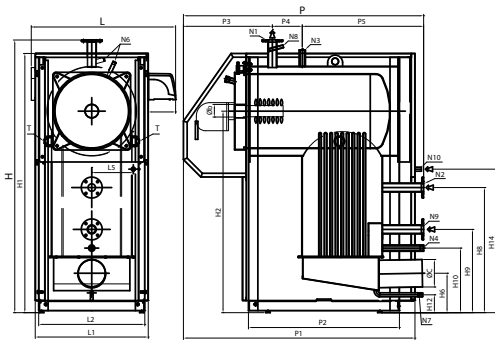
Boiler management  eterm <sup>™</sup> control panel	QETERM01CE
Boiler management  eterm <sup>™</sup> control panel	QETERM01RU2*
System management layouts	QETERM02

*For characteristics and other accessories see " eterm<sup>™</sup> system" section*

\* This code refers to markets of: Russia, Belarus, Ukraine, Georgia and Kazakhstan

Maximum operating pressure 5bar.  
Gas supply pressure: 20 mbar for in motion gas

# COMMERCIAL RANGE CONDENSING BOILERS MONOLITE GT



- Legend:**
- N1 Boiler flow
  - N2 Medium temperature return
  - N3 Equipment connections
  - N4 System load/drain connection
  - N6 Bulb sheath
  - N7 Boiler condensate drain
  - N8 Control cover
  - N9 Low temperature return
  - N10 Gas connection
  - T Inspection Plugs

Characteristics	Code product	Effective capacity		Flow Thermal	100% efficiency (ref. C.O.P.)		Efficiency 30%	Pressure drop combustion gas	Pressure drop hydraulic (ΔT=12°C)	Available residual hydraulic head	Volume H <sub>2</sub> O	Weight total
		Temp. Medium 70°C	Temp. Flow/Return 50°/30°C		Temp. Medium 70°C	Temp. Flow/Return 50°/30°C						
Model		kW	kW	kW	%	%	kW	mbar	mbar	mbar	lt	kg
MONOLITE 70 GT	81020070	81	88	82	98,3	107,5	109	0,8	10	0,2	150	220
MONOLITE 95 GT	81020097	110	120	112	98,3	107,5	109	1,0	19	0,5	210	280
MONOLITE 125 GT	81020127	145	158	147	98,3	107,5	109	1,1	33	0,5	200	320

Dimensions	H	H1	H2	H4	H5	H6	H8	H9	H10	H12	H14	L	L1	L2	L5	L6	P	P1	P2	P3	P4	P5	P7	P8	Øb	Øc	N1	N2	N1/N2	N3	N4	N5	N6	N7	N8	N9	N10	
Model	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	DN/in	DN/in	PN	DN/in	DN/in	DN/in	DN/in	DN/in	DN/in	DN/in	DN/in	DN/in
MONOLITE 70 GT	1825	1734	1348	-	-	264	837	557	432	125	987	939	756	710	272	-	1267	1210	670	595	350	322	-	-	150	150	50	50	6	1"	1"	-	1/2"	3/4"	1/2"	50	3/4"	
MONOLITE 95 GT	1825	1734	1348	-	-	264	837	557	432	120	991	966	756	710	279	-	1607	1550	1010	595	200	812	-	-	150	180	50	50	6	1"	1"	-	1/2"	3/4"	1/2"	50	3/4"	
MONOLITE 125 GT	1825	1734	1348	-	-	264	837	557	432	120	991	966	756	710	279	-	1607	1550	1010	595	200	812	-	-	150	180	50	50	6	1"	1"	-	1/2"	3/4"	1/2"	50	3/4"	

For each product always indicate the code at the time of the order.  
The control panel is sold separately