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صورة غير معتمدة  
لمعلومية صاحب الشأن  
لايعمل بها كمحرر رسمي



وزارة الدفاع  
إدارة المخابرات الحربية والاستطلاع  
جهاز الأمن الحربى

القيد : ٣ / م / ٢٤٣٢٩ / ٣٢٨٠ / ٣ /  
التاريخ : ٢٠٢١/٠٧/٠١

رقم صادر المجمع	٤٦٤٥
تاريخ صادر المجمع	٢٠٢١/٠٣/٢٢

الى مالك الشركة :

نفيد بلامانع من وجهة نظر الأمن الحربى نحو التعامل مع  
شركة : احمد محمد ثروت احمد صبيح  
حتى نهاية العام المالى ٢٠٢٢/٠٦/٣٠ م

وإعتبار السيد : -محمد السيد حسن السيد

مندوباً عن الشركة المذكورة في حالة التعاقد وذلك تحت إشرافكم .. علماً بأن بيانات الشركة المذكورة  
كالاتي :

- ١- السمة التجارية : مؤسسه هيتكو انترناشيونال
- ٢- نوع الشركة : فردى/افراد
- ٣- مجال نشاط الشركة: توريد وتركيب السخانات الشمسية والمراجل والاستيراد والتصدير والتوكيلات التجارية والمقاولات العامة
- ٤- رقم السجل التجارى : ٢٩٩٩٧٨
- ٥- مالك الشركة/رئيس مجلس الإدارة : -احمد محمد ثروت احمد صبيح
- ٦- عنوان الشركة: ١٤ شارع محمد زكى منير / قسم اول مدينه نصر / القاهره
- ٧- تليفون مالك الشركة: ٠١٠٠١٦٠٧٥٦٦
- ٨- التعامل مع جهات القوات المسلحة .

تليفون الشركة: ٢٢٧٤١٧٧٩

مع وافر التحية ،،،،،

( ) التوقيع  
رئيس جهاز الأمن الحربى



منظومة  
متابعة قيد المتعاملين

٢٠٢٢ / ٢٠٢١

صورة غير معتمدة لمعلومات صاحب الشأن  
لا يعمل بها كمحرر رسم

تاريخ انتهاء العمل بالشهادة

٢٠٢٢ / ٦ / ٣٠



لواء / **إسرف محمود**

مساعد الوزير  
لقطاع المشروعات والتنمية

رقم الصادر	٢٢ / ٢٢-٤٤٦٨٧ / ٢٢-٩٧٤٢ / ١٧٤٩
تاريخ الصادر	٢٠٢١/١٠/٠٣

القيد:

التاريخ:

نفيد بلا مانع من وجهة النظر الأمنية نحو التعامل مع

شركة: احمد محمد ثروت احمد صبيح

حتى نهاية العام المالي ٢٠٢٢ / ٦ / ٣٠

لمالكها: / رئيس مجلس الادارة / احمد محمد ثروت احمد صبيح

السمة التجارية: مؤسسة هينكو إنترناشيونال

نوع الشركة: منشأة فردية

مجال نشاط الشركة: الاستيراد والتوكيلات التجارية و توريد السخانات الشمسية و

المراجل و صيانة اجهزة التكييف و التهوية و تنقيه الهواء و توريد و صيانة المضاد و السلام

المتحركة و صيانة المعدات الكهربائية و الميكانيكية و تصنيع الخزانات و خزانات الوقود

رقم السجل التجاري: ٢٩٩٩٧٨

عنوان الشركة: ١٤ شارع د/ محمد زكي منير - مكرم عبيد - مدينة

نصر - القاهرة

تليفون: ٠٢٢٣٤٩٧٣٧٥ - ٠١٠٠١٦٠٧٥٦٦

فاكس: ٠٢٢٣٤٩٦٦٣٧

مع خالص التحية والتقدير،،،



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جمهورية مصر العربية  
وزارة المالية  
مصلحة الضرائب المصرية



هينكو الترنشيونال  
احمد محمد ثروت صبيح  
١٤ ش نكتور محمد نكي منير مدينه نصر اول  
مركز متوسطى الممولين/٠٠٠  
المتعهدون والموردون خلاف اعمال المقاولات  
٨٠٠٠٥٠٠٠٧٦٠١٩٢٠١٠٠٠٠٠  
٢٠١٧/١٠/٠٣ ٢٠٢٢/١٠/٠٣ ٤١٠٠٣٩١٠٣٨٧



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<p>(١) عنوان الفروع والوكالات التابعة للمحل الرئيسى أو المركز العام (ب) عنوان الفرع أو الوكالة (ج) حالة قيد الفرع (د) حالة قيد الفرع</p>	<p>(١) عنوان المحل الرئيسى (ب) عنوان المركز العام للشركة أو الجمعية التعاونية (ج) رقم قيد المحل الرئيسى أو المركز العام (د) حالة قيد الفرع</p>	<p>١- التاريخ الذى بدأ فيه التاجر أعماله التجارية بجمهورية مصر العربية ٢- تاريخ الترخيص بمرحلة التجاره ٣- تاريخ إنشاء الشركة وتاريخ انتهائها ٤- تاريخ الترخيص بمرحلة التجاره ٥- موافقة هيئة الاستعمار ٦- تاريخ افتتاح الفرع أو الوكالة</p>	<p>(١) نوع التجاره (ب) الغرض من تأسيس الشركة أو الجهة التعاونية (ج) أو</p>	<p>(١) اسم التاجر ولقبه وتاريخ ومحل ميلاده و جنسيته (٢) أسماء والألقاب المبرهنه بالنضال فى شركات التضامن أو التوسعة البسيطة وتاريخ ومحل الميلاد لكل منهم و جنسيته (٣) أسماء وألقاب الشركاء أو غيرهم المنوط بهم إدارة الشركة ومن لهم حق التوقيع باسمها وصفة كل منهم وتاريخ ومحل ميلاده و جنسيته ومدى سلطتهم فى الإدارة والتوقيع (٤) أسماء وألقاب أعضاء مجلس الإدارة فى شركات المساهمة أو الجهة التعاونية وكمياتهم ومدى سلطتهم ومحل ميلاده و جنسيته ومدى سلطتهم فى الإدارة والتوقيع (٥) اسم و لقب مدير الفرع الرئيسى أو الوكالة العاملة فى جمهورية مصر العربية وتاريخ ومحل ميلاده و جنسيته إذا كان المركز العام للشركة فى الخارج (٦)</p>	<p>١- الاسم التجارى ٢- الاسم التجارية ٣- الاسم الذى يتأخر به التاجر كجاريه ٤- نوع الشركة أو اسمها أو اسم الجمعية التعاونية ٥- السمة التجارية ٦- السمة التجارية للتع ٧- الاسم التجارية للتع</p>	<p>(١) رقم الإيداع (٢) تاريخ الإيداع (٣) رقم التقي فى السجل التجارى (٤) رقم الإيداع طلب التجدد (٥) تاريخ الإيداع طلب التجدد (٦) تاريخ التجدد</p>
<p>(١) مدينة نصر ٧٨ ش الصفا الحى الثامن-مدينة نصر القاهرة ٠ ١١٥٠ [٩] ٢٠١٤/٠١/٢٧ مدينة نصر القاهرة تعديل العنوان الى ١٤ ش د / محمد ذكى منير *****</p>	<p>(١) تاريخ الأفتتاح ١- ١٩٩٦/١١/١٨ ٢- تاريخ الترخيص ٠٠٠٠/٠٠/٠٠ ***** *****</p>	<p>توريد وتركيب السخانات الشمسية والمرجل [١١] ٤٥٧٨ ٢٠٠١/٠٣/٢٥ إضافه نشاط/ الاستيراد والتصدير والتوكيلات التجارية [٩] ١١٥٠ ٢٠١٤/٠١/٢٧ إضافه نشاط / مقاولات عامة [١٤] ١٢٥٠٠ ٢٠٢٠/١١/٠٢ إضافه نشاط/توريد وتركيب و صيانته اجهزة التكيف و التهويه و تقنيه الهواء و توريد وتركيب و صيانته المصاعد و السلالم</p>	<p>احمد محمد ثروت احمد صبيح ١٩٧١/١٠/٣١ مصر القاهرة رقم قومى ٢٧٧١٠٣٩٧٩ ***** ***** *****</p>	<p>افراد (١) ١- احمد محمد ثروت احمد صبيح ٢- مؤسسه هيتكو انتر ناشيونال ٣- احمد محمد ثروت احمد صبيح ***** ***** *****</p>	<p>(١) (١) (١) (٢) ٢٠٥٠٣-١ ٢٠٠١/١١/١٠-ب ٢٥٦١٥-أ ٢٠٠٦/١١/٣٠-ب ٢٠١٦/١٢/١٨-ب ٢٢٨٧١-أ ٢٠١٦/١١/٢٢-ب ١٧٧١٠-أ ٢٠٢١/١٠/٣١-ب سارى حتى</p>	



اسم طالب المستخرج احمد محمد ثروت احمد صبيح  
وقد سددت الرسوم (خلاف مقابل التميز) وقدرها : ١٠٥ جنيه بموجب قسيمة ٠ مجموعة فى ٢٠٢٢/٠٢/٢٣  
إصدار مكتب القاهرة المميز بحرين فى ٢٠٢٢/٠٢/٢٣ مسؤول الطابعة حمدى عبدالرحمن مهدى عمر  
يمكن الحصول على خدماتنا الكترونيا عبر موقعنا <http://www.itda.gov.eg/cra>  
\* \* \*

رقم التسجيل:	البيانات المسجلة:	نوع النشاط:	الرمز الاقتصادي:	الرمز التجاري:	الرمز القومي:	الرمز الفرعي:	الرمز الفرعي:
٢٠٠١/٠٣/٢٥ ٤٥٧٨ [١]	٢٠٠١/١١/١٠ ٢٠٥٣ [٢]	٢٠٠٥/٠٩/١٤ ١٧٩٥٢ [٣]	٢٠٠٦/١١/٣٠ ٢٥٦١٥ [٤]	٢٠٠٧/١٠/٠٩ ١٥٧٠١ [٥]	٢٠٠٩/٠٦/١١ ٩٨٧٦ [٦]	٢٠١٠/٠١/٢٠ ٩٥٣ [٧]	٢٠١١/١٢/١٨ ١٧٢٨٣ [٨]
٢٠١٤/٠١/٢٧ ١١٥٥ [٩]	٢٠١٥/٠١/١١ ٣٤٨ [١٠]	٢٠١٥/٠٤/٢٦ ٥٩١٠ [١١]	٢٠١٦/١١/٢٢ ٢٢٨٧١ [١٢]	٢٠١٨/١٠/٠٤ ١٧٥٨٩ [١٣]	٢٠٢٠/١١/٠٢ ١٢٥٠٠ [١٤]	٢٠٢١/١٠/٣١ ١٧٧١٠ [١٥]	
(أ) الإحكام و القارات الصادر بتوقيع المحرر على التاجر و يتعين القائمة و الوكلاء عن القابضين (ب) ملابهم أو برفق الحجز (ج) الأحكام و الأوامر المنعقدة بالوقوفين (د) الأحكام الخاصة بالأختيار (هـ) الأحكام الصادر و بالتعلق و عزل المبرورين و الحكم حل الشركات أو بطلانها وتعيين المصنوعين أو عزلهم (و) البيانات المنعقدة بين المحل التجاري أو رفقه طبقا للقانون رقم ١١ لسنة ١٩٤٠							
٢٠٠١/٠٣/٢٥ ٤٥٧٨ [١]	٢٠٠١/١١/١٠ ٢٠٥٣ [٢]	٢٠٠٥/٠٩/١٤ ١٧٩٥٢ [٣]	٢٠٠٦/١١/٣٠ ٢٥٦١٥ [٤]	٢٠٠٧/١٠/٠٩ ١٥٧٠١ [٥]	٢٠٠٩/٠٦/١١ ٩٨٧٦ [٦]	٢٠١٠/٠١/٢٠ ٩٥٣ [٧]	٢٠١١/١٢/١٨ ١٧٢٨٣ [٨]
٢٠١٤/٠١/٢٧ ١١٥٥ [٩]	٢٠١٥/٠١/١١ ٣٤٨ [١٠]	٢٠١٥/٠٤/٢٦ ٥٩١٠ [١١]	٢٠١٦/١١/٢٢ ٢٢٨٧١ [١٢]	٢٠١٨/١٠/٠٤ ١٧٥٨٩ [١٣]	٢٠٢٠/١١/٠٢ ١٢٥٠٠ [١٤]	٢٠٢١/١٠/٣١ ١٧٧١٠ [١٥]	
(أ) النظام المالى الذى حصل الرواج على مقتضاه (ب) الاطية التجارية (ج) كل عقد يقضى بحل الشركة او وضمها تحت الصفة							
٢٠٠١/٠٣/٢٥ ٤٥٧٨ [١]	٢٠٠١/١١/١٠ ٢٠٥٣ [٢]	٢٠٠٥/٠٩/١٤ ١٧٩٥٢ [٣]	٢٠٠٦/١١/٣٠ ٢٥٦١٥ [٤]	٢٠٠٧/١٠/٠٩ ١٥٧٠١ [٥]	٢٠٠٩/٠٦/١١ ٩٨٧٦ [٦]	٢٠١٠/٠١/٢٠ ٩٥٣ [٧]	٢٠١١/١٢/١٨ ١٧٢٨٣ [٨]
٢٠١٤/٠١/٢٧ ١١٥٥ [٩]	٢٠١٥/٠١/١١ ٣٤٨ [١٠]	٢٠١٥/٠٤/٢٦ ٥٩١٠ [١١]	٢٠١٦/١١/٢٢ ٢٢٨٧١ [١٢]	٢٠١٨/١٠/٠٤ ١٧٥٨٩ [١٣]	٢٠٢٠/١١/٠٢ ١٢٥٠٠ [١٤]	٢٠٢١/١٠/٣١ ١٧٧١٠ [١٥]	
(أ) المحلل الذى كانت للتاجر سابقا (ب) المحلل الذى تكون له: ١- فى ذروة نفس المكتب ٢- فى ذروة مكتب اخرى							
٢٠٠١/٠٣/٢٥ ٤٥٧٨ [١]	٢٠٠١/١١/١٠ ٢٠٥٣ [٢]	٢٠٠٥/٠٩/١٤ ١٧٩٥٢ [٣]	٢٠٠٦/١١/٣٠ ٢٥٦١٥ [٤]	٢٠٠٧/١٠/٠٩ ١٥٧٠١ [٥]	٢٠٠٩/٠٦/١١ ٩٨٧٦ [٦]	٢٠١٠/٠١/٢٠ ٩٥٣ [٧]	٢٠١١/١٢/١٨ ١٧٢٨٣ [٨]
٢٠١٤/٠١/٢٧ ١١٥٥ [٩]	٢٠١٥/٠١/١١ ٣٤٨ [١٠]	٢٠١٥/٠٤/٢٦ ٥٩١٠ [١١]	٢٠١٦/١١/٢٢ ٢٢٨٧١ [١٢]	٢٠١٨/١٠/٠٤ ١٧٥٨٩ [١٣]	٢٠٢٠/١١/٠٢ ١٢٥٠٠ [١٤]	٢٠٢١/١٠/٣١ ١٧٧١٠ [١٥]	
(أ) مقدار رأس المال المستمر فى المحل الرئيسي للتاجر والفروع والوكالات التابعة له (ب) مقدار رأس مال الشركة أو الجمعية التجارية له ١- المبالغ المتوجهة منه ٢- مبالغ متوجه الشركاء بأدائها ٣- مقدار حصة الشركاء الموصوفين ٤- قيمة الحصص العينية ان وجدت (ج) رسم الفروع الممنوع للمركز العام للشركة							
٢٠٠١/٠٣/٢٥ ٤٥٧٨ [١]	٢٠٠١/١١/١٠ ٢٠٥٣ [٢]	٢٠٠٥/٠٩/١٤ ١٧٩٥٢ [٣]	٢٠٠٦/١١/٣٠ ٢٥٦١٥ [٤]	٢٠٠٧/١٠/٠٩ ١٥٧٠١ [٥]	٢٠٠٩/٠٦/١١ ٩٨٧٦ [٦]	٢٠١٠/٠١/٢٠ ٩٥٣ [٧]	٢٠١١/١٢/١٨ ١٧٢٨٣ [٨]
٢٠١٤/٠١/٢٧ ١١٥٥ [٩]	٢٠١٥/٠١/١١ ٣٤٨ [١٠]	٢٠١٥/٠٤/٢٦ ٥٩١٠ [١١]	٢٠١٦/١١/٢٢ ٢٢٨٧١ [١٢]	٢٠١٨/١٠/٠٤ ١٧٥٨٩ [١٣]	٢٠٢٠/١١/٠٢ ١٢٥٠٠ [١٤]	٢٠٢١/١٠/٣١ ١٧٧١٠ [١٥]	
(أ) الإحكام و القارات الصادر بتوقيع المحرر على التاجر و يتعين القائمة و الوكلاء عن القابضين (ب) ملابهم أو برفق الحجز (ج) الأحكام و الأوامر المنعقدة بالوقوفين (د) الأحكام الخاصة بالأختيار (هـ) الأحكام الصادر و بالتعلق و عزل المبرورين و الحكم حل الشركات أو بطلانها وتعيين المصنوعين أو عزلهم (و) البيانات المنعقدة بين المحل التجاري أو رفقه طبقا للقانون رقم ١١ لسنة ١٩٤٠							

باسم طالب المستخرج احمد محمد ثروت احمد صبيح  
 وقد سددت الرسوم (خلاف مقابل التميز) وقدرها : ١٠٥ جنيه بموجب قسيمة ٠ مجموعة فى ٢٣/٠٢/٢٠٢٢  
 إصدار مكتب القاهرة المميز تحريرا فى ٢٣/٠٢/٢٠٢٢ مسؤل الطباعة حمدى عبدالرحمن مهدي عمر  
 يمكن الحصول على خدماتنا الكترونيا عبر موقعنا <http://www.itcha.gov.eg/cra> \*



صفحة رقم  
١٠٠٠٤٤٦ : ٢٠٢٢ - ٢٣ - ٢٠٢١

رقم الوثيقة: ١٠٠٠١٠٠٠٠٠٠٠٢٩٩٩٧٨  
رقم الوثيقة: ٤١٠٣٩١٣٨٧  
رقم الوثيقة: ٢٩٩٩٧٨ (الفراد - محل رئيسى - عدد الفروع ٠)

وزارة التموين والتجارة الداخلية  
جهاز تنمية التجارة الداخلية  
الإدارة المركزية للسجل التجارى  
مكتب سجل تجارى القاهرة المميز

تابع رقم ١  
٢٠٢٦/١١/٢٢

تابع رقم ٤

المتحركة و توريد و تركيب و صيانة معدات نقل الطاقة الكهربائية و أجهزة التحكم و المقاولات العامة و المتكاملة و صيانة معدات الكهربيته و الميكانيكه و توريد و تركيب و صيانة كاميرات المراقبة (دون اللاسلكيه) و أجهزة الأذار و البوابات الالكترونيه و معدات السلامة و أجهزة اطفاء الحريق

تابع رقم ٩

مقدار رأس المال ٥٠٠٠٠٠٠ جنيته مصرى فقط خمسة ملايين جنيته مصرى لاغير

٥٩١٠ [١١]

٢٠١٥/٠٤/٢٩

مقدار رأس المال ٢٠٠٠٠٠٠٠ جنيته مصرى فقط مليونان جنيته مصرى لاغير

تابع رقم ١٠

(ب) الحزبة

ميت شماس المنوات اضافة نشاط / تصنيع خرابات وخرابات الوقود وتجميع تالفة مركزية على نشاط الرئيسى الاخر . .



مدير المكتب

٢٠٢٢/٠٢/٢٣  
٢٠٢٢/٠٢/٢٣  
٢٠٢٢/٠٢/٢٣  
٢٠٢٢/٠٢/٢٣

يمكن الحصول على خدماتنا الكترونيا عبر موقعنا <http://www.itda.gov.eg/cra>

اسم طالب المستخرج احمد محمد ثروت احمد صبيح

وقد سدت الرسوم (خلاف مقابل التميز) وقررها : ١٠٥ جنيته بموجب قسئنيه ١٠ المجموعة فى ٢٣/٠٢/٢٠٢٢  
إصدار مكتب القاهرة المميز تحريرا فى ٢٣/٠٢/٢٠٢٢ مسئول الطباعة حمدى عبدالرحمن مهدى عمر

\*\*



نموذج (٣) ض.ق.م.

## تتهادة تسجيل الضريبة على القيمة المضافة



منطقة : مركز متوسطى الممولين  
مأمورية : مركز متوسطى الممولين  
العنوان :

هذه شهادة منا بآن أحمد محمد ثروت صبيح هيتكو انترناشيونال

العنوان : ١٤ ش دكتور محمد نكي منير مدينة نصر اول القاهرة

قد تم تسجيله وفقاً لنصوص قانون الضريبة على القيمة المضافة

تحت رقم : ٣٨٧ - ٣٩١ - ٤١٠

وذلك اعتباراً من : ٢٠١٦-٠٩-٠٨

XXXXXXX

تاريخ إصدار الشهادة ٢٠٢٠-١٠-٢٠

تاريخ انتهاء الشهادة ٢٠٢٥-١٠-١٩



د / فايز فتح الله الصياغى  
الرئيس التنفيذى  
مركز متوسطى الممولين

## شهادة سجل صناعي



الهيئة العامة للتنمية الصناعية



وزارة التجارة والصناعة

رقم السجل: ٢٠٠٧/٣٢٤٤٦

تاريخ الانتهاء: ٢٠٢٢/٠٦/٠٨

تاريخ الاصدار: ٢٠١٨/٠٨/١٩

اسم المنشأة الصناعية: مؤسسة هيتكو انترناشيونال

اسم الشركة: احمد مجد ثروت احمد صبيح

الكيان القانوني: قطاع خاص/فردية

السمة التجارية: مؤسسة هيتكو انترناشيونال

عنوان المنشأة الصناعية: مصنع مؤجر ناحية ميت شماس/ المنوات/ مركز الجيزة/ الجيزة

الطاقة الإنتاجية الإسمية السنوية	الوحدة	كود المنتج	اسم المنتج
			الكمية وعدد الواردات
			تصنيع وتجميع :
٤٠ ( اربعون )	عدد	٨٤٠٣١٠٠٠٩٠	غلايات بخار قدرات مختلفة حتى ٤ طن
٥٠ ( خمسون )	عدد	٨٤٠٣١٠٠٠٩٠	غلايات مياه ساخنة قدرات مختلفة حتى ١.٥ طن
٦٠ ( ستون )	عدد	٨٤١٩١٩٠٠١٠	سخانات شمسية

الشهادة سارية لمدة تنتهي في ٢٠٢٢/٠٦/٠٨ طبقاً لانتهاؤ القيد

اعتماد

حررت هذه الشهادة وفقاً لأحكام القانون رقم ٣٤ لسنة ١٩٧٧، ولائحته التنفيذية وتعديلاتها والقرارات المنظمة له، ووفقاً للبيانات والمستندات المقدمة من المنشأة المذكورة ويرتبط سريان هذا السجل باستمرار صحة المستندات الصادرة عنه، ولا تخول هذه الشهادة لصاحبها أى حقوق تتعلق بملكية المنشأة.

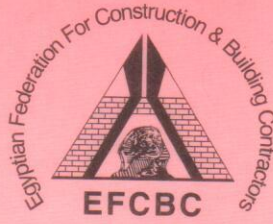
صفحة رقم ١ من ١

٣٣٩٩٠



المقر الرئيسي: ٦ شارع خليل أغا - جاردن سيتي - القاهرة  
الرقم البريدي: ١١٤٥  
تليفون: ٢٧٩٤٠٦٧٨-٢٧٩٤٠٦٧٧  
فاكس: ٢٧٩٤٤٩٨٤

الفرع الرئيسي: القاهرة الجديدة - ٤٢ محور السلام - التجمع الخامس  
فاكس: ٢٦١٢٠١٣٦ - ٢٦١٢٠١٢٩ - الرقم البريدي (ص.ب.٣٧٣-كود/١١٨٣٥)  
تليفون: ٢٦١٢٠١٣٤/١٣٥/١٣٧/١٣٨/١٣٩/١٤١/١٤٢/١٤٨  
البريد الإلكتروني: ida@mti.gov.eg الموقع الإلكتروني: www.ida.gov.eg



الاتحاد المصري لمقاولي التشييد والبناء

بطاقة عضوية  
طبقاً للقرار الوزاري  
رقم (٢٩٩) لسنة ٢٠١٩



ملحوظة : ١ - على جهات الإسناد التأكد من وجود علامة مائية للبطاقة.

٥١٥٨٣

رقم العضوية :

(١٥٤٢٦)

فرع: القاهرة

اسم المقاول / الشركة: احمد محمد ثروت احمد صبيح - مؤسسة هيتكو انترناشيونال

تاريخ القيد بالاتحاد : ٢٠١٥-٠١-١٨

نوع المنشأة : فردي

العنوان : د / محمد نكي منير

المحافظة : القاهرة

مركز / قسم : مدينة نصر

٢٠٢٢-٠٩-١٩

وينتهي العمل بهذه البطاقة في :

٢٠٢١ / ١٨٧٠٨

وسد الاشتراك بالإيصال رقم

الدرجة	التخصصات	الدرجة
الاولى	أعمال المباني (متكامل). الأساسات. الانشاءات المعدنية. الأعمال التكميلية. أعمال المنشآت الصناعية	
الثانية	أعمال الطرق والمراميل ومهبط الطائرات الأنفاق. أعمال الكباري أعمال السكك الحديدية	
الثالثة	أعمال محطات وشبكات المياه والصرف الصحي أعمال محطات شبكات الغاز والوقود	
الرابعة	أعمال الإشغال العامة ومحطات الري الأعمال البحرية والتجارية والتكثيف. أعمال استصلاح الأراضي. الآبار.	
الخامسة	الأعمال الكهروميكانيكية والإلكترونية للمنشآت والمصانع والمباني العامة أعمال محطات إنتاج وتوزيع الطاقة الكهربائية الجديدة والمتجددة أعمال شبكات التيار الخفيف	
السادسة	أعمال محطات إنتاج وتوزيع الطاقة الكهربائية والمائية والغازية والديزل (التقليدية) أعمال المعاصر والسلامة والمشيدات أعمال تشغيل وصيانة المباني أعمال صيانة وترميم والحفاظ على الآثار أعمال صيانة وتشغيل الطرق والكباري أعمال صيانة السكك الحديدية أعمال صيانة وتشغيل الأنفاق أعمال صيانة وتشغيل محطات وشبكات المياه والصرف الصحي والتحلية والرفع والمعالجة أعمال صيانة وتشغيل محطات وشبكات الغاز والوقود أعمال صيانة وتشغيل محطات القوى الكهربائية والخطوط والمحولات أعمال صيانة المسطحات الخضراء	

رئيس مجلس الإدارة  
مهندس  
محمد سامي سعد

الأمين العام  
محاسب  
هشام يسري

شئون العضوية

الموظف المختص

تحريرا في ٢٠٢٠-٠٩-٢١

## الى السادة أصحاب الأعمال :

حررت هذه البطاقة طبقا للقانون رقم (١٠٤) لسنة ١٩٩٢ بإنشاء الاتحاد المصري لمقاولي التشييد والبناء والقرار الوزاري رقم (١) لسنة ١٩٩٣ وتعديلاته باعتماد قواعد قيد وتصنيف وترتيب أعضاء الاتحاد المصري لمقاولي التشييد والبناء -  
والقرار الوزاري رقم (٢٠٥) لسنة ١٩٩٣ بإصدار اللائحة التنفيذية للقانون رقم (١٠٤) لسنة ١٩٩٢.

يرجى الالتزام بما حدده القانون في هذا الشأن :

١- الحدود القصوى لقيمة المناقصات المسموح بدخوله فيها وفقا لصفة تصنيفه بكل تخصص حسب الجدول المرفق ويسمح بالتجاوز في حدود ١٥٪ من الحد الأعلى لكل فئة.

٢- يكون لصق تمغة الاتحاد الزاميا على عقود المقاولات التي يوقعها عضو الاتحاد متى زادت على مائتي ألف جنيه بواقع نصف جنيه عن كل ألف جنيه بعد أقصى (٥٠٠٠ جنيه) خمسة آلاف جنيه للعقد الواحد أو سداد قيمتها للائحة بائصال معتمد منه، ويرفق بالعقد، ويرتبط التجديد السنوي لبطاقة العضوية بالالتزام بسداد قيمة التمغة المحددة وذلك طبقا لنص المادة العاشرة من القانون رقم (١٠٤) لعام ١٩٩٢ والمادة الحادية عشر من لائحته التنفيذية.

الحدود العليا لقيمة المناقصات المسموح بالدخول فيها لكل فئة بكل تخصص (بالمليون جنيه)

طبقا للقرار الوزاري رقم (٢٩٩) لسنة ٢٠١٩

السابعة	الفئات				الاولى	التخصص	الشعبة
	السادسة	الخامسة	الرابعة	الثالثة			
٦	١٢	٢١	٤٥	٧٠	١٠٠	• أعمال المباني (متكامل) • أعمال الأساسات	الاولى
	١,٥	٥	١٥	٤٥	٦٣	• أعمال الإنشاءات المعدنية • أعمال المنشآت الصناعية	
	٢	١٢	٣٠	٥٠	٦٥	• الأعمال التكميلية التخصصية	
٥	١٢	٢٠	٤٥	١٠٠	١٣٠	• أعمال الطرق والمرات ومهابط الطائرات	الثانية
	١٢	٢٠	٤٥	١٠٠	١٣٠	• أعمال الكباري	
	١٢	٢٠	٤٥	١٠٠	١٣٠	• أعمال السكك الحديدية • أعمال الأنفاق	
٣	٩	٢٠	٥٠	١٠٠	١٣٠	• أعمال محطات وشبكات المياه والصرف الصحي • أعمال محطات وشبكات الغاز والوقود	الثالثة
٣	٩	٢٠	٥٠	١٠٠	١٣٠	• أعمال الأشغال العامة ومعجزات الري • الأعمال البحرية والنهرية والتكريك	
٣	٩	٢٠	٥٠	١٠٠	١٣٠	• أعمال استصلاح الأراضي • أعمال الأبار	
	١٢	٢٤	٤٥	٨٥	١٠٠	• الأعمال الكهروميكانيكية والالكترونية للمنشآت والمصانع والمباني العامة	الخامسة
	١٢	٢١	٤٥	٨٥	١٠٠	• أعمال شبكات التيار الخفيف • أعمال محطات إنتاج وتوزيع الطاقة الكهربائية والمائية والغازية والديزل (التقليدية)	
	١٢	٢١	٤٥	٩٠	١٠٠	• أعمال محطات إنتاج وتوزيع الطاقة الكهربائية الجديدة والمتجددة • أعمال المصاعد والسلالم والمشايات	
	٢	٥	٨	٨	١٠	• أعمال تشغيل وصيانة المباني	السادسة
	٢	٥	٨	٨	١٠	• أعمال صيانة وترميم والحفاظ على الآثار	
	٢	٥	٨	٨	١٠	• أعمال صيانة وتشغيل الطرق والكباري	
	٢	٥	٨	٨	١٠	• أعمال صيانة السكك الحديدية	
	٢	٥	٨	٨	١٠	• أعمال صيانة وتشغيل الأنفاق	
	٢	٥	٨	٨	١٠	• أعمال صيانة وتشغيل محطات وشبكات المياه والصرف الصحي والتعلية والرفع والمعالجة	
	٢	٥	٨	٨	١٠	• أعمال صيانة وتشغيل محطات وشبكات الغاز والوقود	
		٥	١٠	١٥	١٥	• أعمال صيانة وتشغيل محطات القوى الكهربائية	
		١	٣	٣	٥	• الخطوط والمحولات	
						• أعمال صيانة المسطحات الخضراء	

يقوم الاتحاد بإصدار شهادة بيانات أصلية مؤقتة من واقع هذه البطاقة لإرفاقها بأوراق التقدم للعطاءات، على أن يتم الاطلاع على أصل البطاقة عند التعاقد.

( نموذج رقم ٧ )

وزارة الإسكان والمرافق والتنمية العمرانية  
الإدارة المركزية للتشييد  
مكتب مقاولي القطاع الخاص  
٢٣ عمارة البرج - العتبة

### بطاقة تسجيل مقاول قطاع خاص

الاسم / مؤسسة هيتكو انترناشيونال ( احمد محمد ثروت احمد صبيح )

( فردى )

الكيان القانوني :

رقم البطاقة : الشخصية : ٠١٠٣٩٢٩ صادرة من : القاهرة

العائلية

التخصص : ( اعمال تخصصية : اعمال تشطيبات معمارية )

رقم القيد : ( ٦١٤٦ / ن )

رقم السجل التجارى : ٢٩٩٩٢٨ صادر من : القاهرة

رقم البطاقة الضريبية : ٤١٠٣٩١-٣٨٧ صادرة من : مركز متوسطى الممولين

رقم بطاقة التأمينات الاجتماعية : ٦٦٢٠٩٦ اصادرة من : مدينة نصر اول

المدير المسئول وعنوانه : احمد محمد ثروت احمد صبيح

رقم البطاقة : الشخصية : ٠١٠٣٩٢٩ صادرة من : القاهرة

العائلية

تاريخ تجديد البطاقة : ٢٠٢١ / ١١ / ١٧

المدير العام

( / ١ / منال محمد مديولى )



١٥٨٢



# CERTIFICATE

## QUALITY MANAGEMENT SYSTEM

### HEATCO INTERNATIONAL

14 DR. MOHAMED ZAKI MONIER ST., NASR CITY, CAIRO, EGYPT  
**SCOPE**

*SUPPLYING OF SOLAR HEATER, IMPORT, EXPORT, COMMERCIAL TRADING AND  
GENERAL CONTRACTING*

This is to certify that the Quality Management System of the above mentioned Company  
meets the requirement of

**ISO 9001:2015**

**MSE : 271220A**

Certificate Number

**26 December 2020**

Date of Initial Registration

**26 December 2020**

Date of Last Issue

**25 December 2021**

Date of Expiry

Certificate is valid for 3 years (26/12/2020 to 25/12//2023) from the date of Initial registration.  
Upon successful completion of surveillance audit a new certificate with an extended validity will be issued.  
Rev.00, dt. 26.12.2020

Sigend On Behalf Of OSS Middle East



QMS ACCREDITED  
CAB #117002B



For Verification and updated information  
concerning the present certification visit  
[www.ossmideast.com](http://www.ossmideast.com)

14 Dorry Basha, Loran, El ramel, Alexandria, Egypt  
Email: [Info@ossmideast.com](mailto:Info@ossmideast.com)  
Tel :002 034445128





# CERTIFICATE

## OCCUPATIONAL HEALTH & SAFETY MANAGEMENT SYSTEM

### HEATCO INTERNATIONAL

14 DR. MOHAMED ZAKI MONIER ST., NASR CITY, CAIRO, EGYPT

### SCOPE

*SUPPLYING OF SOLAR HEATER, IMPORT, EXPORT, COMMERCIAL TRADING AND GENERAL CONTRACTING*

This is to certify that the Occupational Health & Safety Management System of the above mentioned Company meets the requirement of

**ISO 45001:2018**

**MSE: 271220C**

Certificate Number

**26 December 2020**

Date of Initial Registration

**26 December 2020**

Date of Last Issue

**25 December 2021**

Date of Expiry

Certificate is valid for 3 years (26/12/2020 to 25/12/2023) from the date of Initial registration.  
Upon successful completion of surveillance audit a new certificate with an extended validity will be issued.  
Rev.00, dt. 26.12.2020

Sigend On Behalf Of OSS Middle East



OSHAS ACCREDITED  
CAB #117002B



For Verification and updated information concerning the present certification visit [www.ossmiddleeast.com](http://www.ossmiddleeast.com)

14 Dorry Basha, Loran, El ramel, Alexandria, Egypt  
Email: [Info@ossmiddleeast.com](mailto:Info@ossmiddleeast.com)  
Tel :002 034445128







# CERTIFICATE

## ENVIRONMENTAL MANAGEMENT SYSTEM

### HEATCO INTERNATIONAL

14 DR. MOHAMED ZAKI MONIER ST., NASR CITY, CAIRO, EGYPT

### SCOPE

*SUPPLYING OF SOLAR HEATER, IMPORT, EXPORT, COMMERCIAL TRADING AND GENERAL CONTRACTING*

This is to certify that the Environmental Management System of the above mentioned Company meets the requirement of

**ISO 14001:2015**

**MSE : 271220B**

Certificate Number

**26 December 2020**

Date of Initial Registration

**26 December 2020**

Date of Last Issue

**25 December 2021**

Date of Expiry

Certificate is valid for 3 years (26/12/2020 to 25/12/2023) from the date of Initial registration.  
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Rev.00, dt. 26.12.2020

Sigend On Behalf Of OSS Middle East



EMS ACCREDITED  
CAB #117002B



For Verification and updated information concerning the present certification visit [www.ossmiddleeast.com](http://www.ossmiddleeast.com)

14 Dorry Basha, Loran, El ramel, Alexandria, Egypt  
Email: [Info@ossmiddleeast.com](mailto:Info@ossmiddleeast.com)  
Tel :002 034445128



Century International

Quality Era Award



As Executive President of the Century International Quality Era Award, it is a privilege to present this

CERTIFICATE  
to

HEATCO

in recognition of outstanding commitment to  
Quality and Excellence, which merits the

CENTURY INTERNATIONAL GOLD  
QUALITY ERA AWARD

in the realm of Customer Satisfaction, Leadership, Strategic Planning and Benchmarking,  
as established in the QCI100 TQM system

Geneva, March 7, 2011

A handwritten signature in blue ink, appearing to read "Jose E. Prieto".

José E. Prieto  
Executive President of BID, Business Initiative Directions



GENEVA 2011

**COPY**



# COMMISSIONING INSPECTION REPORT

Office: CAIRO

Date: 15 April 2013

Handwritten signature/initials

This Certificate is issued to Messrs. Heatco, to certify that

The undersigned surveyor did, at their request, attend at SEDICO CPMPANY – HEATCO Client – at 6<sup>th</sup> of October city, the first industry zone, Egypt on 14 of April and subsequently for the purpose of carrying out inspection and witness of commissioning test for the boiler having the following particulars:

Type	: 3 pass, Steam Boiler, fire tube, horizontal
Model	: SH3 P 420
Capacity	: 4200 kg/hr- 260 BHP – 2930K.W.
Serial No.	: 7055
Man. Date	: 9 / 2012
Working Pressure	: 10 Bar
Hydrostatic Test Pressure & Date	: 16.0 Bar on 14 April 2013
Design Drawing	: P420-20

The following examinations/tests have been satisfactorily carried out:

- Visual Examinations of Boiler, piping and pressure retaining items after installation.
- Checking of boiler supports and foundation according to drawings.
- Checking of source equipment as follows
  - feed water (volume, connections, pumps and valves)
  - Fuel system
- Checking of discharge , including , chimney and drains connections
- Checking of operating system as follows :
  - Steam supply system (pipes and valves)
  - Blow off system (pipes and valves)
  - Controls and gages, checking of electrical control system,
  - shut off valves, water column, water gage glass, pressure gage, temp. gage
- Checking of safety valves (number, location and set press.)
- Witness Hydrostatic Test Pressure 16.0 bar for a duration of 30 minutes.

The scope of Inspection is limited to the above.

khoma  
Surveyor  
Lloyd's Register EMEA  
Lloyd's Register  
Lloyd's Register EMEA  
Lloyd's Register  
Lloyd's Register EMEA

A subsidiary of Lloyd's Register Group Limited

Lloyd's Register Group Limited, its affiliates and subsidiaries and their respective officers, employees or agents are, individually and collectively, referred to in this clause as 'Lloyd's Register'. Lloyd's Register assumes no responsibility and shall not be liable to any person for any loss, damage or expense caused by reliance on the information or advice in this document or howsoever provided, unless that person has signed a contract with the relevant Lloyd's Register entity for the provision of this information or advice and in that case any responsibility or liability is exclusively on the terms and conditions set out in that contract.



Zur Vorlage  
in Egypt

SEEWIESENSTRASSE 37  
D 72353 GROSSBOTTWAR  
Ident - No. DE 2170 49551  
TEL.: 49 (0) 171 642 5383  
TEL./FAX: 49 (0) 7148 1034 01

**Authorized Assembly Agreement  
(AAA Letter)**

Datum 25.Jan.2001

We hereby authorized **Heatco International - Egypt** for assembly of **Haager Kessel GmbH** - Boilers according to the drawings and latest bulletins and supervision given and updated by Haager Kessel GmbH to the range as follows.

- a) Steam Boilers 150, 250, 500, 800, 1100, 1600, 2200, 3200, 4200, 5200, 6200 kg/hr
- b) Hot Water Boiler 50, 75, 100, 150, 200, 300, 400, 600, 700, 800, 1000, 1500, 2000, 3000, 4000 kw.

And this Certificate given to Heatco International - Egypt with reference to the contract no. (Mfg 05A) dated 09/1999.

**FOR HAAGER KESSEL**

Manfred Haager  
Seewiesenstr. 37  
D 71723 Grossbottwar

**MANFRED HAAGER**



Wir bescheinigen die Vorlage der Erklärung.  
Hinsichtlich des Inhalts ist nichts Gegenteiliges bekannt.  
Ludwigsburg, den

22.Feb.2001

Industrie- und Handelskammer  
Im Auftrag:  
Dötterer

# مشاة الألة وهلا مشاة

  
جمهورية مصر العربية  
وزارة التجارة والصناعة والصناعة  
مصلحة الرقابة الصناعية

تتقدم مصلحة الرقابة الصناعية بخالص التقدير  
للسادة / شرة هيتكو لصناعات انظائات والسخانات الشمسية  
على الجهد المتميز والتحاور المثمر البناء والمساهمة  
الفعالة في نجاح المؤتمر الأول لتكنولوجيا البخار

وكيل اول الوزارة

رئيس مصلحة الرقابة الصناعية

اد / على عبد النبي محمود

**HeatCo<sup>®</sup>**  
I n t e r n a t i o n a l



*Dr. Sarwat Sebeih*

**Founder of Heatco**

**مؤسس شركة هيتكو**

**HeatCo<sup>®</sup>**  
International

## About Us

Heatco international is a leading boiler manufacturer in Egypt since 1971, holding a major market share in the boiler manufacturing and central heating business since the cross-tube steam boilers.

Now we have a great variety of products serving all heating applications in nearly all industrial, domestic, health care and entertainment business.

All of our products are designed, built and examined according to international standards, along with the full technical support before, during and after delivery to match our customers' needs and their full satisfaction.

شركة هيتكو هي شركة رائدة في مجال صناعة الغلايات في جمهورية مصر العربية منذ عام ١٩٧١ , تمتلك حصة سوقية كبيرة في مجال الغلايات و انظمة التدفئة المركزية .  
اليوم لدينا متنوع هائل من المنتجات التي تخدم تطبيقات التسخين في جميع مجالات الصناعة , الاستخدامات المنزلية و العناية الصحية و المجالات الرفيحية .  
جميع منتجاتنا يتم تصميمها و صناعتها و اختبارها طبقا لأكواد عالمية , مع تقديم الدعم الفني اللازم قبل و اثناء و بعد البيع لارضاء و موافقة احتياجات العميل .



**HeatCo®**





### Cross-tube Steam Boiler

In The Late 1980's, The Factory Was Upgraded With CNC, Plasma Cutting And Welding Machines, To Produce According To The TÜV Standard, And Became The Biggest Supplier Of Boilers And Storage Tanks To The Armed Forces And Hospitals In Egypt, And Started A Partnership With Tipton Oklahoma In The Solar Concentrators Manufacturing.

في اواخر الثمانينات تم تطوير المصنع ليحتوي على ماكينات CNC و ماكينات قطع لحام بلازما للتصنيع و الانتاج طبقا لل TÜV Standard أصبحت بذلك الشركة اكبر مورد للغلايات و الخزانات للقوات المسلحة و المستشفيات في مصر. و بدأت شراكة مع شركة Tipton Oklahoma في تصنيع مجمعات الطاقة الشمسية

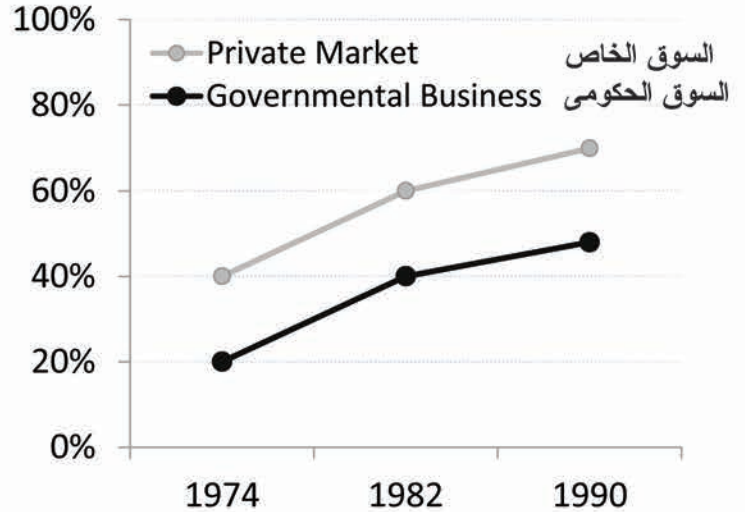
In The Early 1990's, Heatco Started Exporting To The Arab Countries, And Founded A Branch In KSA Called " Al Ameriia ", And Became Heatco International في بداية التسعينات بدأت شركة هيتكو في التوريد للدول العربية و أسست فرع بالمملكة العربية السعودية باسم الاميرية ثم أصبحت هيتكو انتينرناشيونال

In 1971 , Heatco Started Producing Remote Areas Vertical Cross-tube Steam Boilers, Fired By Wood And Agricultural Wastes, Used By The Small Spinning And Weaving Workshops Where Electricity And Fossil Fuel Were Not Present.

In 1974, Heatco Was The First Private Company To Get A Manufacturing License, Started Producing Multi Pass Horizontal Fire Tube Boilers, Competing With The Huge Governmental Company "Al Maragel ".

Acquiring About 40% Of The Private Market, 20% Of The Governmental Business Back Then.

في عام ١٩٧٤ كانت شركة هيتكو اولى الشركات الخاصة التي تحصل على رخصة تصنيع غلايات افقية متعددة المسارات منافسا بذلك شركة المراجل البخارية الحكومية العملاقة حائزين على نسبة ٤٠٪ من الحصة السوقية بالقطاع الخاص و نسبة ٢٠٪ من الحصة السوقية بالقطاع العام)



### Solar Collectors Arrangements

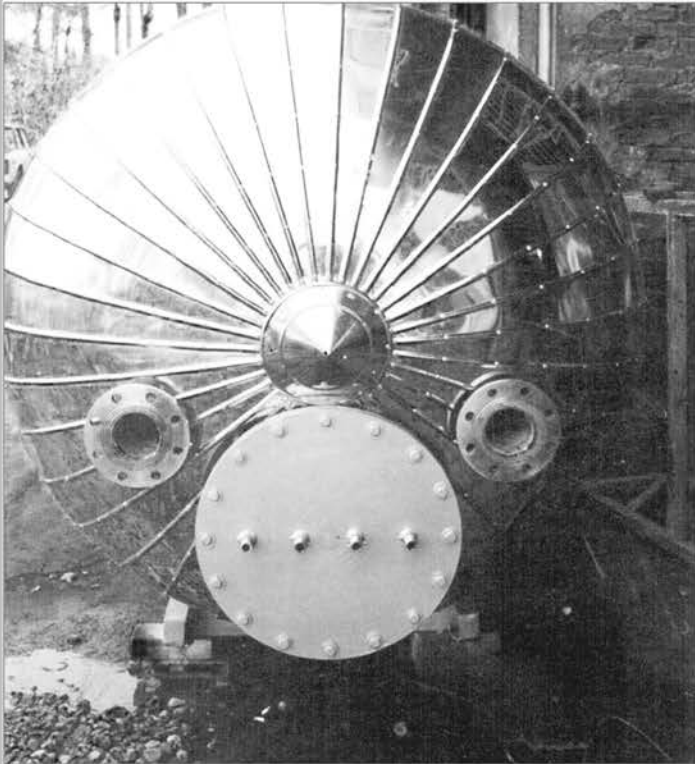
مجمعات طاقة شمسية



**HeatCo®**

In The Late 1990's And The Beginning Of The Millennium, Heatco International Expanded The Business By Contributing In The Major Industries That Started To Grow In Egypt, Like The Hospitals Tourism, Pharmaceutical, Food And Beverages Spinning And Weaving, Chemicals And Heavy Industries All Over Egypt . Heatco International Then Started Another Partenership With The Leading German Boiler Manufacturer "HAGGER KESSEL" And Started Producing Its Products According To The New Approved Designs, And Third Party Approvals Like The "Lloyd's Register" , And Egyptian Universities Like Ain Shams And Cairo Universities , Whom Trusted Heatco's Boilers As An Educational Equipments In Their Labs.

بدأت بعد ذلك شركة هيتكو انتينرناشيونال في الشراكة مع شركة تصنيع الغلايات الالمانية "HAGGER KESSEL" و بدأت في انتاج منتجاتها طبقا لتصميمات جديدة معتمدة و هيئات اشراف مثل "Lloyd's Register" و كليات الهندسة بالجامعات المصرية مثل جامعة عين شمس و جامعة القاهرة الذين يتقون في معدات هيتكو كمعدات تعليمية في معاملهم



Paying A Lot Of Attention To The After Market Services, Allowed Heatco International To Be Rewarded With The "Century International Quality ERA" Reward For The After Sale Service Held In Geneva 2011.

كان اهتمام شركة هيتكو انتينرناشيونال بخدمات ما بعد البيع الفضل في حصول الشركة على جائزة "Century International Quality ERA" لخدمات ما بعد البيع في جنيف عام 2011 .



Heatco International Is Now A Partner With A Lot Of Leading European Companies Like Roth Werke Gmbh, Giacomini S.P.A.

Cordivari Srl, Coterm UK, Radiatori 2000 S.P.A., NUOVA IMAS Srl,

شركة هيتكو انتينرناشيونال حاليا هي شريك لكثير من الشركات الاوروبية الرائدة مثل شركة Roth Werke Gmbg , شركة Cordivari Srl , شركة Giacomini SPA , شركة Radiatori 2000 SPA , شركة Coterm NOUVA IMAS Srl



**HeatCo®**

## Our Products منتجاتنا

### BOILERS

غلايات

Steam boilers

مراجل بخارية

Hot water boilers

غلايات مياة ساخنة

Swimming Pool boilers

غلايات حمام سباحة

Smart boilers

غلايات زكية

### HEAT EXCHANGERS

مبادلات حرارية

Steam to water, Storage heat exchangers

مبادلات حرارية بالبخار ذات خزان

Water to water, Storage heat exchangers

مبادلات حرارية بالمياة ذات خزان

Steam to water, Instantaneous heat exchangers

مبادلات حرارية لحظية بالبخار

Water to water, Instantaneous heat exchangers

مبادلات حرارية لحظية بالمياة

Water to water, Plate Type, heat exchangers

مبادلات شرائح بالمياة

FireFighting

مكافحة حريق

Heaters

سخانات

Gas Water Heaters

سخانات غاز طبيعي

Wall Mounted Boilers

سخانات حائطية

### TANKS

خزانات

Water Tanks

خزانات مياة

Fuel Tanks

خزانات وقود

UnderFloor Heating

تدفئة تحت الارض

Radiators

دفايات

Classic Radiators

دفايات كلاسيكية

Designed Radiators

دفايات ذات تصميم خاص

Solar Heatrs

سخانات شمسية

Chimneys

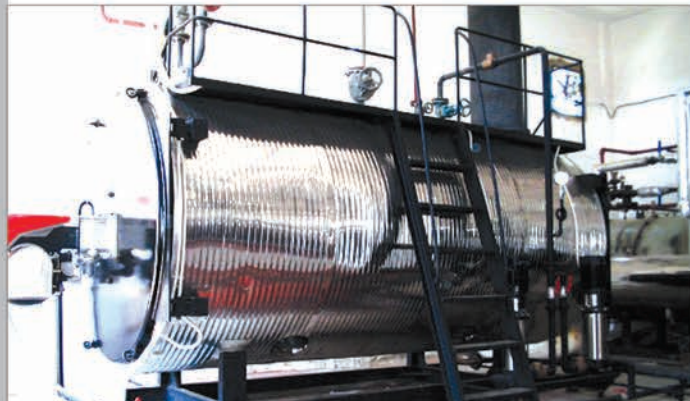
مداخن

## Steam Boilers مراجل بخارية



Capacities from  
50 to 16000kg/hr  
Up to 16 Bars

سعة من  
٥٠ كجم/ساعة الى  
١٦٠٠٠ كجم/ساعة  
حتى ١٦ بار



# HeatCo®

# Hot Water Bilers غلايات مياة ساخنة



Capacities From 75 000 to 5000 000 Kcal/hr  
Up to 5 Bars

سعة من 75000 كيلوكالورى الى 5000000 كيلوكالورى  
حتى 5 بار

**HeatCo®**



## Calorifiers مبادلات بخزان



Capacities from 500 to 24000 Liters  
Up to 60°C

سعة من ٥٠٠ لتر الى ٢٤٠٠٠ لتر  
حتى ٦٠ درجة مئوية

**HeatCo®**

# Instantaneous Heat Exchangers مبادلات حرارية لحظية



Capacities from 36 to 2400 Mcal./hr

سعة من ٣٦ الى ٢٤٠٠ كيلوكالورى



**HeatCo**<sup>®</sup>  
INTERNATIONAL

## Steam Headers موزعات بخار



## Blow Down Vessel خزان تفویر

**HeatCo®**



# Tanks خزانات



Capacities 300 liter up to 100000 liter  
سعة 300 لتر حتى 100000 لتر

**HeatCo**<sup>®</sup>  
International

## Swimming Pool Compact Boilers غلايات حمام سباحة مدمجة



50m<sup>2</sup> up to 2000m<sup>2</sup>

من ٥٠م<sup>2</sup> حتى ٢٠٠٠م<sup>2</sup>

**HeatCo**<sup>®</sup>

## Solar heaters سخانات شمسية



Solar heaters capcites 200 to 400 liter  
سخانات شمسية سعة 200 حتى 400 لتر



Solar heaters For Swimming pools  
سخانات شمسية لحمامات السباحة

**HeatCo®**

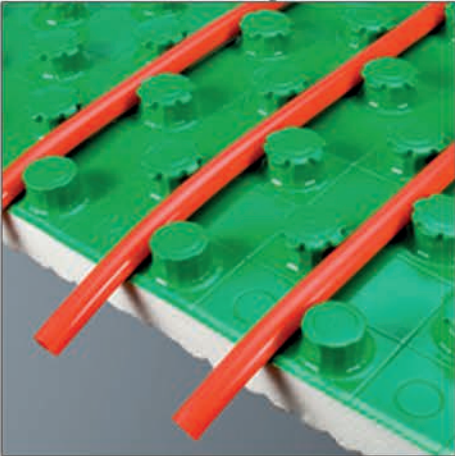
## Domestic Water Heaters سخانات مياة منزلية



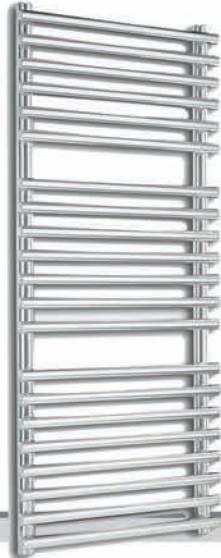
Instantaneous Water Heaters  
& Storage up 2000 Liter

سخانات غاز لحظية  
و ذات تخزين حتى سعة 2000 لتر

## Central Heating تدفئة مركزية



UnderFloor Heating  
تدفئة تحت الارض



Towel Radiators  
فواطات حمام



Classic Radiators  
دفايات كلاسيكية

**HeatCo®**

# Fire Fighting & Plumbing

مقاومة حريق و اعمال صحية



Piping Networks  
شبكات مياة



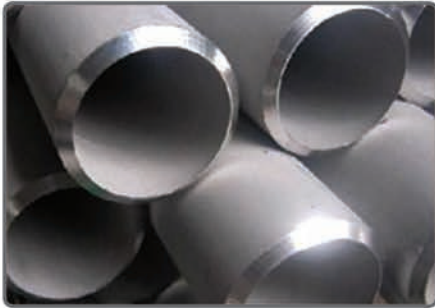
Fire Fighting  
مقاومة حريق



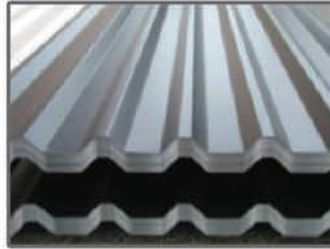
Chimney  
مدخنة

# Accessories

## الاكسسوارات



**HeatCo®**



Heavy Industry  
الصناعات الثقيلة



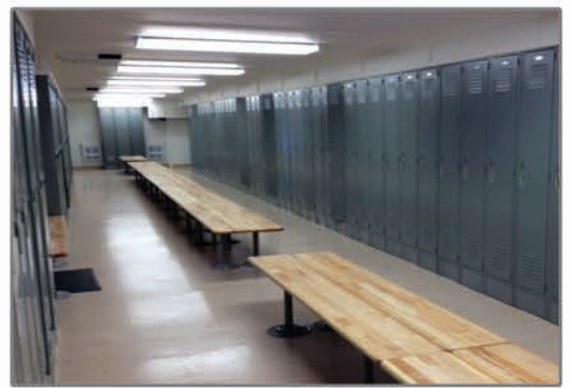
Spinning & weaving  
الغزل و النسيج



Textiles and dyeing  
الصبغة و المنسوجات



## Hotes & Resorts فنادق و منتجعات

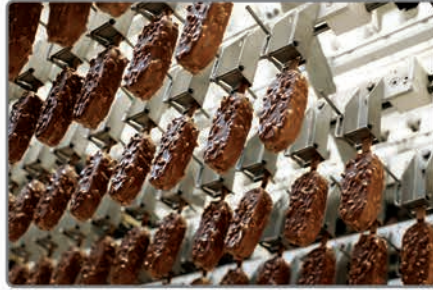


## Sporting Clubs اندية رياضية



**HeatCo®**





Food  
&  
Beverage  
الصناعات الغذائية



Fodder  
صناعة الاعلاف

**HeatCo®**



**Chemicals and paint**  
الكيمياويات و الدهانات



**Furniture**  
صناعة الاثاث



**Cosmetics**  
صناعة مستحضرات التجميل

**HeatCo®**



Hospitals  
المستشفيات



Pharmaceutical  
الصناعات الدوائية



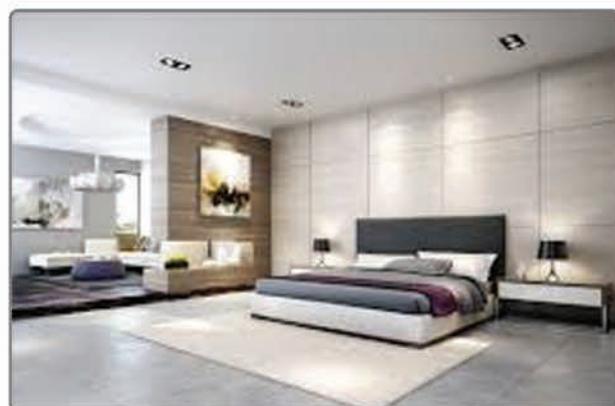
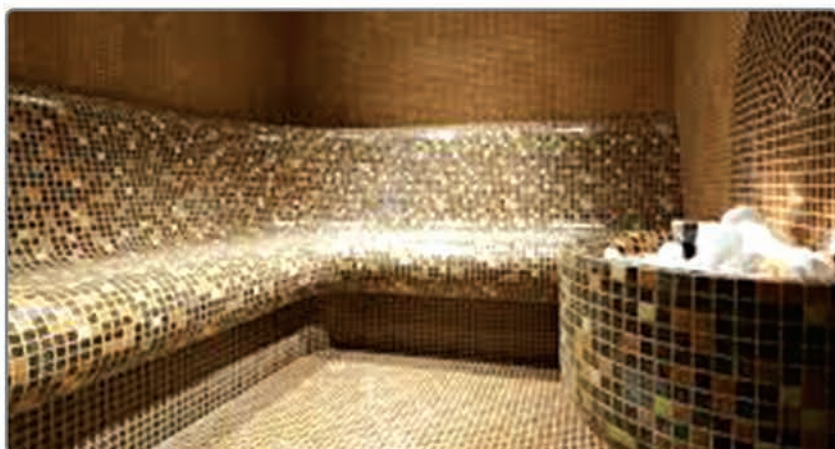
Laundry  
&  
Kitchen  
المغاسل و المطابخ

**HeatCo®**



## Health Care

مراكز الرعاية الصحية



## Domestic & Central Heating

المياة الساخنة و التدفئة المركزية

# HeatCo®

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# Certificates شهادات





# CERTIFICATE

## QUALITY MANAGEMENT SYSTEM

### HEATCO INTERNATIONAL

14 DR. MOHAMED ZAKI MONIER ST., NASR CITY, CAIRO, EGYPT  
**SCOPE**

*SUPPLYING OF SOLAR HEATER, IMPORT, EXPORT, COMMERCIAL TRADING AND  
GENERAL CONTRACTING*

This is to certify that the Quality Management System of the above mentioned Company  
meets the requirement of

**ISO 9001:2015**

**MSE : 271220A**

Certificate Number

**26 December 2020**

Date of Initial Registration

**26 December 2020**

Date of Last Issue

**25 December 2021**

Date of Expiry

Certificate is valid for 3 years (26/12/2020 to 25/12//2023) from the date of Initial registration.  
Upon successful completion of surveillance audit a new certificate with an extended validity will be issued.  
Rev.00, dt. 26.12.2020

Sigend On Behalf Of OSS Middle East



QMS ACCREDITED  
CAB #117002B



For Verification and updated information  
concerning the present certification visit  
[www.ossmideast.com](http://www.ossmideast.com)

14 Dorry Basha, Loran, El ramel, Alexandria, Egypt  
Email: [Info@ossmideast.com](mailto:Info@ossmideast.com)  
Tel :002 034445128







# CERTIFICATE

## OCCUPATIONAL HEALTH & SAFETY MANAGEMENT SYSTEM

### HEATCO INTERNATIONAL

14 DR. MOHAMED ZAKI MONIER ST., NASR CITY, CAIRO, EGYPT

### SCOPE

*SUPPLYING OF SOLAR HEATER, IMPORT, EXPORT, COMMERCIAL TRADING AND GENERAL CONTRACTING*

This is to certify that the Occupational Health & Safety Management System of the above mentioned Company meets the requirement of

**ISO 45001:2018**

**MSE: 271220C**

Certificate Number

**26 December 2020**

Date of Initial Registration

**26 December 2020**

Date of Last Issue

**25 December 2021**

Date of Expiry

Certificate is valid for 3 years (26/12/2020 to 25/12/2023) from the date of Initial registration.  
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# CERTIFICATE

## ENVIRONMENTAL MANAGEMENT SYSTEM

### HEATCO INTERNATIONAL

14 DR. MOHAMED ZAKI MONIER ST., NASR CITY, CAIRO, EGYPT

### SCOPE

*SUPPLYING OF SOLAR HEATER, IMPORT, EXPORT, COMMERCIAL TRADING AND GENERAL CONTRACTING*

This is to certify that the Environmental Management System of the above mentioned Company meets the requirement of

**ISO 14001:2015**

**MSE : 271220B**

Certificate Number

**26 December 2020**

Date of Initial Registration

**26 December 2020**

Date of Last Issue

**25 December 2021**

Date of Expiry

Certificate is valid for 3 years (26/12/2020 to 25/12/2023) from the date of Initial registration.  
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Rev.00, dt. 26.12.2020

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Tel :002 034445128



# HeatCo<sup>®</sup>

I n t e r n a t i o n a l

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Tel.: (+202 ) 23497375 / 23496179 Fax: (+202) 22729935 / 22729937  
Mob.: 0100 6109735  
[www.heatcointernational.com](http://www.heatcointernational.com) [sales@heatcointernational.com](mailto:sales@heatcointernational.com)

## Steam Boiler



**HeatCo**<sup>®</sup>  
International

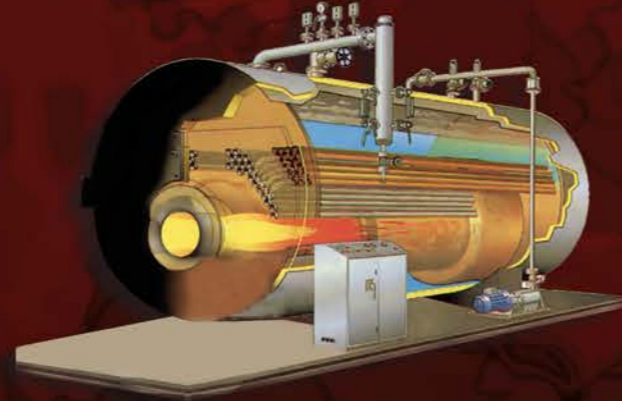
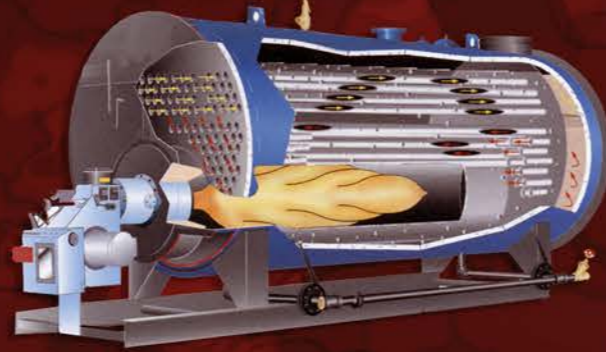
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TEL & Fax: +202-23497375 / +202-23496179 / +2-0106109735  
Web Site : [www.heatcointernational.com](http://www.heatcointernational.com)

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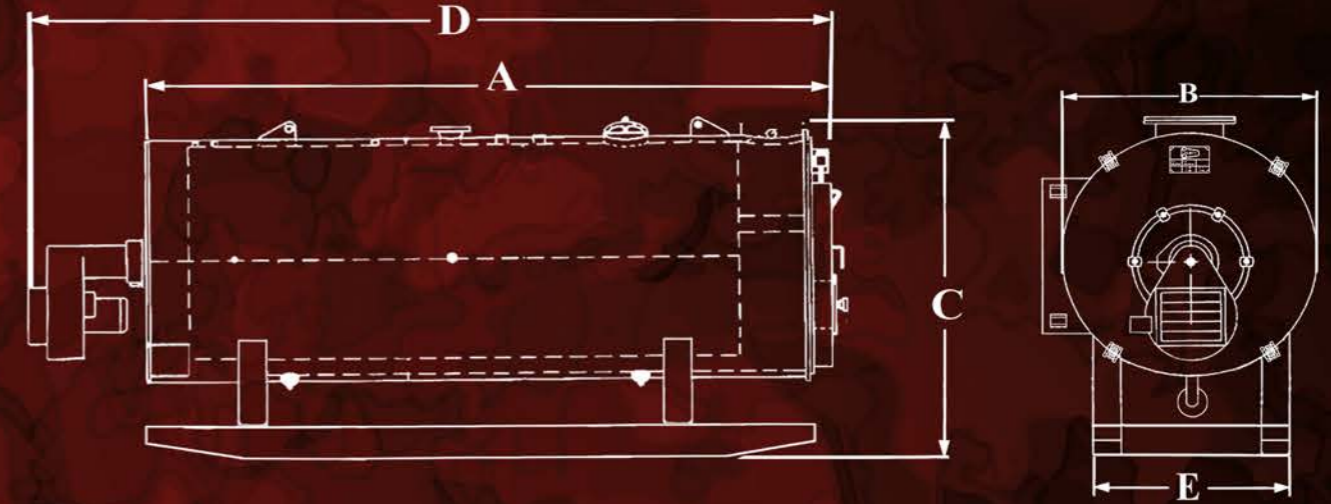
## The Design

Three pass fire smoke tube system  
 Functional Cylindrical For optimum  
 Pressure resistance  
 Special - purpose injector for effective and  
 internal return temperature boost integrated in  
 the boiler apex  
 Inspection ports viewing the water space

Extremely low radiation losses  
 Suitable for all heating system  
 Extremely low back pressure  
 Efficiency is maintained through  
 out the range of load even at part  
 load all the energy is converted in  
 to heat  
 Maintenance is kept to minimum



## Horizontal 3 Pass Fire Tube Steam Boilers



## Construction

Three pass fire tube system  
 Fully opening swivel - mounted  
 boiler front door for easy cleaning  
 inspection  
 Insulated with mineral wool mats  
 underneath stainless steel cladding



**HeatCo**<sup>®</sup>  
 International

ASME Code design and construction {Upon Request}

## Testing

The metallic components are tested by  
 ultra sonic inspection while the welds  
 are checked by means  
 of radiographic scannings and penetrants

Boiler Type	Max boiler o / p at 80 C f.w Kg/hr	Therm eff. %	Burner Consump		Feed water pump at max water temp 90 °C	Exhaust gases temp. max C	Nozzles Diameter m ms .				Empty Weight ton	Gross Weight ton	(A)	(B)	(C)	(D)	(E)
			Light oil	Natural Gas			Saf .valve out	Steam out	Water Inl	Smoke out							
Sh3 P 15	150	87	8	8.5	300	210	25	25	25	210	0.85	1.2	135	145	170	165	75
SH3 P 28	280	87	15	16	500	210	25	25	25	320	0.9	1.4	160	150	195	190	75
SH3 P 60	600	87	30	32	800	210	25	38	25	320	1.3	2.1	210	150	195	270	75
SH3 P 80	800	87	40	43	1000	210	25	50	25	420	1.8	2.8	260	165	210	320	95
SH3 P 110	1100	87	60	65	1200	210	38	50	25	420	3.3	4.5	310	165	210	370	95
SH3 P 160	1600	87	92	100	2000	210	38	75	38	420	4.2	6.2	310	180	225	390	110
SH3 P 220	2200	88	130	150	2400	210	38	75	38	420	6.1	8.5	385	180	225	465	110
SH3 P 320	3200	88	175	215	3600	210	50	100	50	630	7.1	10.7	435	215	260	515	125
SH3 P 420	4200	88	275	345	5000	210	50	100	50	630	12.6	17.6	560	215	260	640	125
SH3 P 500	5000	88	344	430	6000	210	63	125	50	630	14.9	20.9	670	260	260	770	125
SH3 P 600	6500	88	412	518	7000	210	63	150	63	800	19.1	26.1	730	280	280	830	140
SH2 P 850	8500	88	550	690	10000	210	75	150	63	800	32.3	33.3	790	280	280	890	140

ALL DIMENSIONS ARE IN CM  
 DIMENSIONS SUBJECT TO CHANGE WITHOUT NOTICE CERTIFIED DRAWINGS AVAILABLE UPON REQUEST

Lloyds Register Tests and Certificates {Upon Request}



# HOT WATER BOILER



IMAGE 012 27 27 255

# HeatCo

HEATING HAS A NEW MEANING

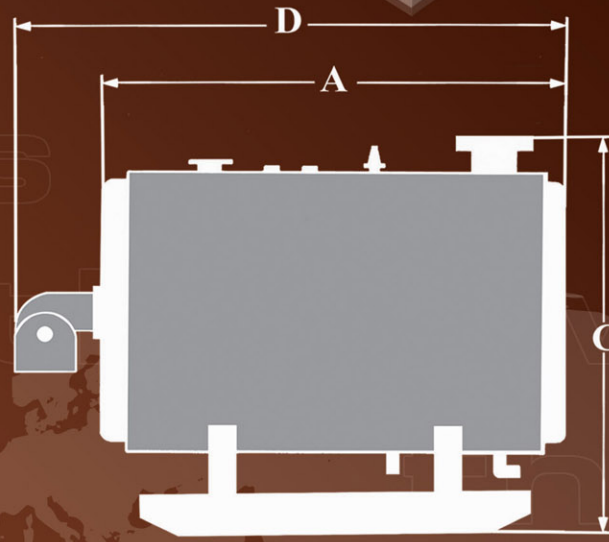
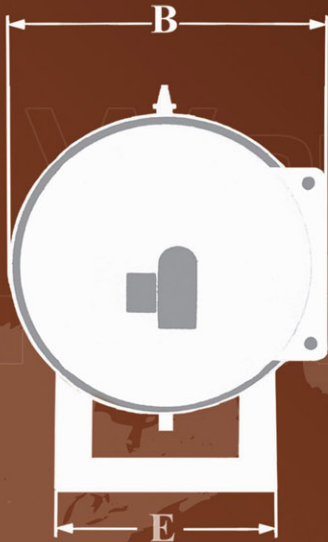
7/14 Zaky Mounir St., Makram Ebaid , Nasr City , Cairo , Egypt.

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Mob.: 0106109735

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Boiler Type	Thermal cap. K.cal / hr	Thermal eff. %	Max Water dish, at 60°C	Fuel Burner cons. (max)		Exhaust gases temp: C	Nozzles diameter mm			Empty Weight Kg	Gross Weight Kg	(A)	(B)	(C)	(D)	(E)
				Light oil Kg/h	Natural gas m³/h		Out.valve	Inl.valve	Smoke out							
Wh3 P 75	75.000	84	1.7	8	8.5	220	25	25	210	370	520	135	112	182	165	45
Wh3 P 140	140.000	84	3.1	14	15	220	25	25	200	480	780	165	112	182	225	45
Wh3 P 200	200.000	84	4.4	20	22	220	50	50	320	685	1075	175	139	209	235	75
Wh3 P 300	300.000	85	6.7	30	32	220	50	50	320	770	1340	195	139	209	255	75
Wh3 P 400	400.000	85	8.9	40	43	220	75	75	320	1120	1840	275	156	226	355	75
Wh3 P 600	600.000	85	13.3	60	65	220	75	75	320	1560	2540	325	156	226	405	75
Wh3 P 900	900.000	86	18.9	92	100	220	75	75	420	1960	3360	325	196	271	405	110
Wh3 P 1200	1200.000	86	26.7	130	150	220	100	100	420	2320	4120	395	196	271	475	110
Wh3 P 1600	1600.000	87	35.5	175	215	220	100	100	630	3150	5550	400	196	271	480	110
Wh3 P 2000	2000.000	87	44.4	214	270	220	125	125	630	5120	6410	430	223	300	530	120
Wh3 P 3000	3000.000	87	53.3	275	345	220	150	150	630	6310	8520	550	223	300	670	140
Wh3 P 4000	4000.000	87	66.7	422	540	220	150	150	630	8220	11030	550	273	375	670	175
Wh3 P 5000	5000.000	87	74.9	490	675	220	150	150	630	10615	14100	620	273	375	740	175

IMAGE 012 27 255

**OUR WORKS**  
**MAKE THE POWER ALL OVER**  
**THE WORLD**

# Hbs



## POOL BOILER

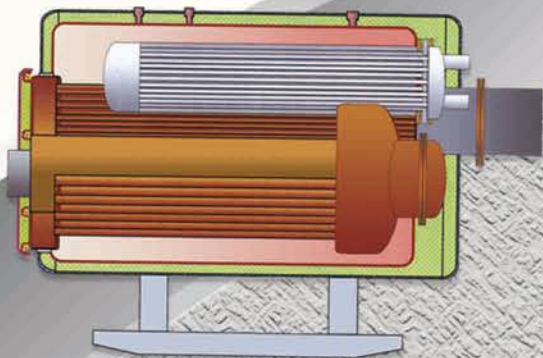
# H E A T C O



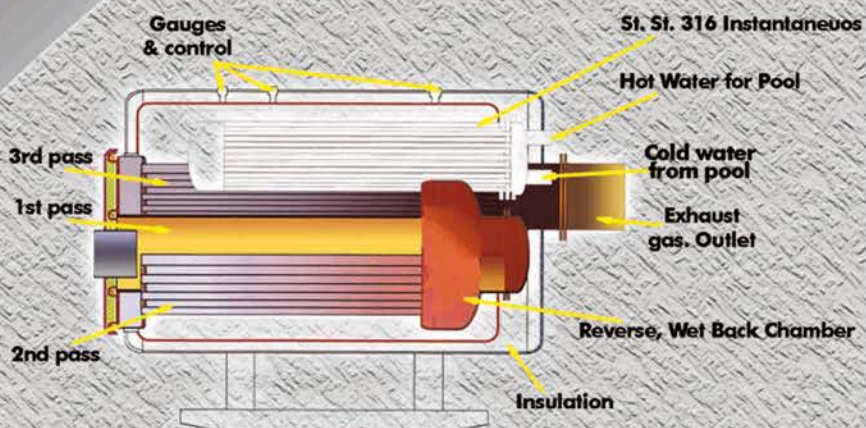


Pool Boiler Pb is one of latest, packaged type Hot water boiler Which meets both industrial regulation for operation and domestic regulation for safety.

## Pool Boiler



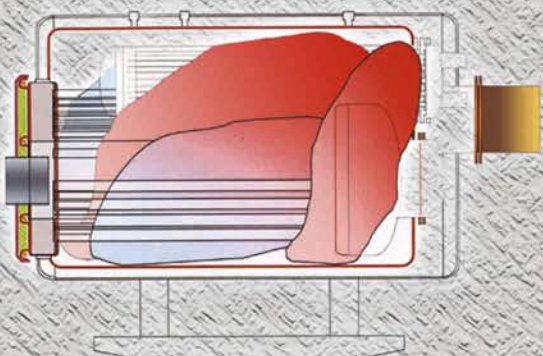
## 3 Pass, Fire tube, Wet Back Boiler



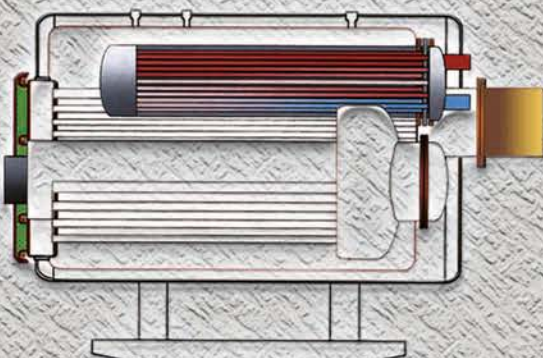
## Advantages:

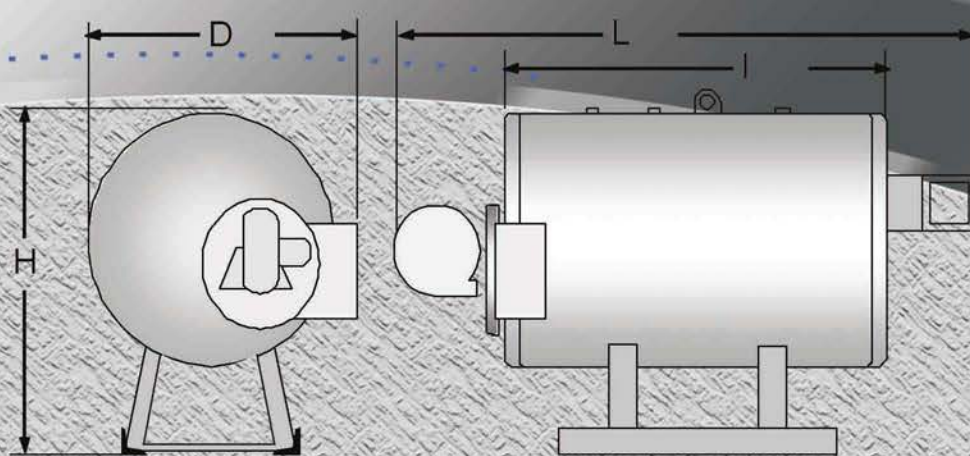
- No need for primary circulating pumps.
- No need for piping Network and insulating.
- No need for boiler room.
- No need for main control panel.
- Easy installation and connection.
- 3 years warranty.
- Spare parts available in stock.
- Sound proof : 67db (A) max.
- Low NOx emission.
- 20 years life time.

## Hot water medium fluid



## Shell And Tube Heat Exchanger





Swimming Pool					Pool Boiler								
Surface area meter <sup>2</sup>	Water volume meter <sup>3</sup>	Water depth meter	Water Temp Degree C	Burner capacity KW	TYPE	Cap. Kw /hr	Full Weight W.Kg	Empty Weight W.KG	Max Length L.MM	Body Length L.MM	Max. Width D.MM	Max. High H.MM	Inlet dia. d.in
20-40	30-50	0.8-1.2	24-28	39	<b>PB 40</b>	24	749	399	1360	1140	1040	1250	1"
40-60	50-80			59	<b>PB 60</b>	36	888	433	1610	1390	1040	1250	
60-80	80-100	1-1.6		69	<b>PB 80</b>	48	1032	485	1360	1140	1140	1350	1 1/2"
80-100	100-120			705	<b>PB 100</b>	60	1092	547	1610	1390	1140	1350	
100-150	120-180	1-1.8		125	<b>PB 150</b>	90	1437	632	1770	1420	1240	1450	2"
150-200	180-220			190	<b>PB 200</b>	120	1722	845	1970	1620	1240	1450	
200-300	200-320	1.2-2		237	<b>PB 300</b>	180	2291	997	1970	1620	1340	1550	2 1/2"
300-400	300-450			319	<b>PB 400</b>	240	2188	1124	2270	1920	1340	1550	
400-500	400-600			415	<b>PB 500</b>	300	2768	1354	2770	2420	1340	1550	
500-600	500-600	1.2-2.5		430	<b>PB 600</b>	360	3322	1625	2360	1940	1590	1800	3"
600-800	600-1000			532	<b>PB 800</b>	480	3529	1860	2860	2440	1590	1800	
800-1000	800-1200			710	<b>PB 1000</b>	600	4418	2272	3360	2940	1590	1800	
1000-1300	1000-2000	1.3-3.75	949	<b>PB 1300</b>	780	5822	3234	3020	2460	1870	2050	4"	
1300-1600	1300-2000		1223	<b>PB 1600</b>	960	7190	4085	3520	2960	1870	2050		
1600-2000	2000-2500		1423	<b>PB 2000</b>	1200	8541	4936	4020	3460	1870	2050		

## Technical Data.

- 1- 3 pass, fire tube, wet back boiler
- 2- Instantaneous st. st. 316 U. tube heat bundle Heat Exchanger for Swimming Pool
- 3- For Boiler working pressure - 1bar , testing pressure 4 bar.
- 4- For Heat Exchanger working pressure - 6 bar , testing pressure 10 bar.

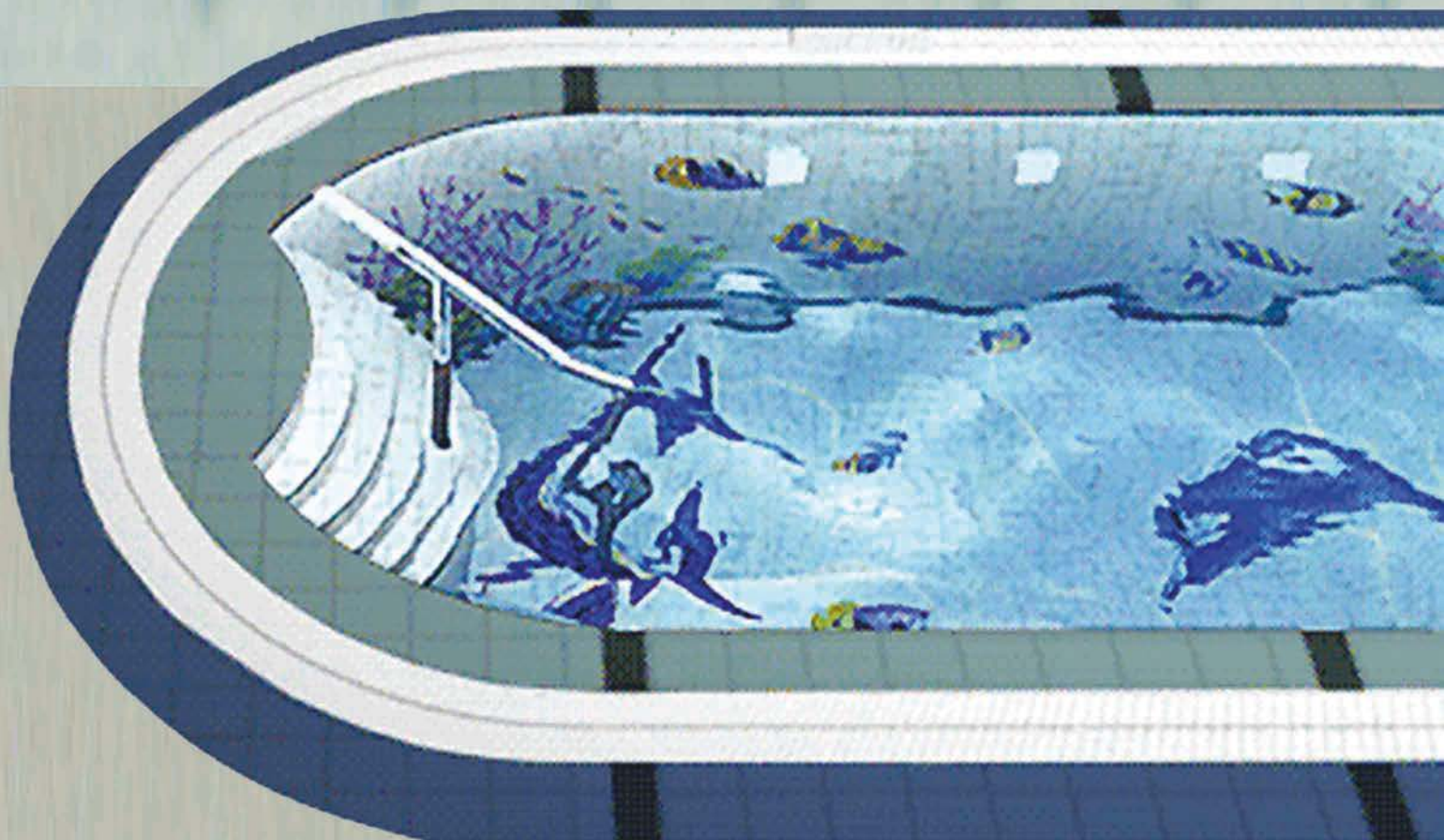
Design , according to TRD (German Standard)  
 Approval for design from TUV (Germany)  
 Material according to DIN  
 Boiler body and accessories are CE

Uses for heating swimming pools volume starting from 40 m<sup>3</sup> up to 3300 m<sup>3</sup> with any kind of water quality (Even Sea Water).

Fuel Type : Light Oil, Natural Gaz, LPG



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0122 27 256

# SMART

STAINLESS Steel Boiler



- CENTRAL HEATING
- SWIMMING POOLS
- VILLAS & HOTELS

- SPORTS & HEALTH CLUBS

- KITCHENS RESTAURANTS LAUNDRY



You will enjoy it all the year

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## The Latest Upgraded Stainless Steel Hot Water Boiler

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Well, we have Just developed a unique product that does the Following :

- >Instantaneous hot water.
- >Saving Fuel consumption.
- >Safe & Doesn't make any noise or vibration.

Our Company is the greatest in boilers field and Signs production in Egypt, Middle East and North Africa. In reference to our long experience we capable to undertake all kinds of Designs, Manufacturing assembling , Installing in all fields of boilers and heating Systems

Smart Boiler is one of the latest & smallest type, hot water boiler built by real boiler Maker 1971.

This product applicable for more uses such as Residential, swimming pool, Central Heating and Laundry, ... moreover It can be used for Several operation at the same time,

With the Smart Boiler you can reduce cost and increase efficiency as much as (93%)

Available with different fuels like (light Oil, Natural gas And L.P.G) with low running cost .



SWIMMING POOL



VILLAS



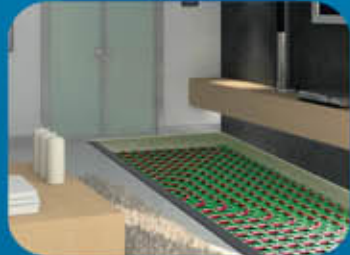
SPORTS CLUBS



HEALTH CLUBS



HOTELS



HEATING SYSTEMS



KITCHENS



LAUNDRY

### تستخدم في

- تدفئة حمامات السباحة بمختلف أحجامها .
- الفنادق والقرى السياحية .
- النوادي الرياضية والصحية .

### مميزات الخلايا

- صغيرة الحجم .
- كفاءة عالية .
- سرعة التسخين وأمنه .
- تكلفة تشغيل قليلة .

### صديقة البيئة :

- لا تنتج اي أدخنة او روائح
- لا تصدر أصوات
- لا تصدر إهتزازات

### إقتصادية :

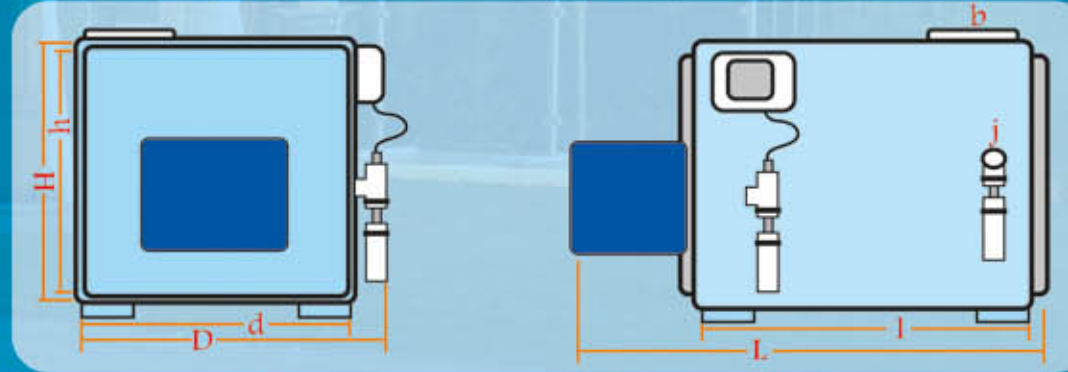
- لا تحتاج لصيانة .
- لا تحتاج لغرفة خاصة توضع بها .

### الوقود اللازم :

- السولار .
- الغاز الطبيعي .

## Dimensions of Smart boiler

Dimensions - Type		Sb60	Sb80	Sb100	Sb150	Sb200	Sb250	Sb300
Length of boiler body	(l) cm	52	62	72	72	87	83	94
Overall length with burner	(L) cm	72	82	92	92	122	118	129
Width of boiler body	(d) cm	49	49	49	58	58	67	67
overall width with fittings	(D) cm	58	58	58	67	67	78	78
Highest of boiler body	(h) cm	49	49	49	58	58	67	67
Overall high with flanges	(H) cm	53	53	53	62	62	71	71
Diameter of nozzles inches	(j) inch	1	1	1	1.25	1.25	1.5	1.5
Side of chimney squ. see.	(b) cm	13	13	13	16	16	22	22
Weight of boiler empty	(w) Kg	49	59	69	87	104	122	139
Weight of boiler Full	(w) Kg	50	61	71	90	108	126	144



### تتمثل بالكامل

\* مسئولية نتائج دراستنا.  
\* مسئولية تغطية احتياجاتكم التي قمنا بمعاينتها.  
\* مسئولية نتائج أعمالنا من حيث مطابقتها للمواصفات القياسية الأمريكية.

### Boiler Data

- \* 3 Pass Water Tubes,
- \* Instantaneous heating,
- \* Fully Automatic Control,
- \* Light Oil or Gas Burning,
- \* Working Pressure 8 Bar,
- \* Testing Pressure 16 Bar,

SMART BOILER CREATED TO LIVE FOREVER

**Material** Water Tubes : Stainless Steel  
Intel , Outlets : Stainless Steel  
Outer Cover : Stainless Steel  
Insulation : Rock Wool

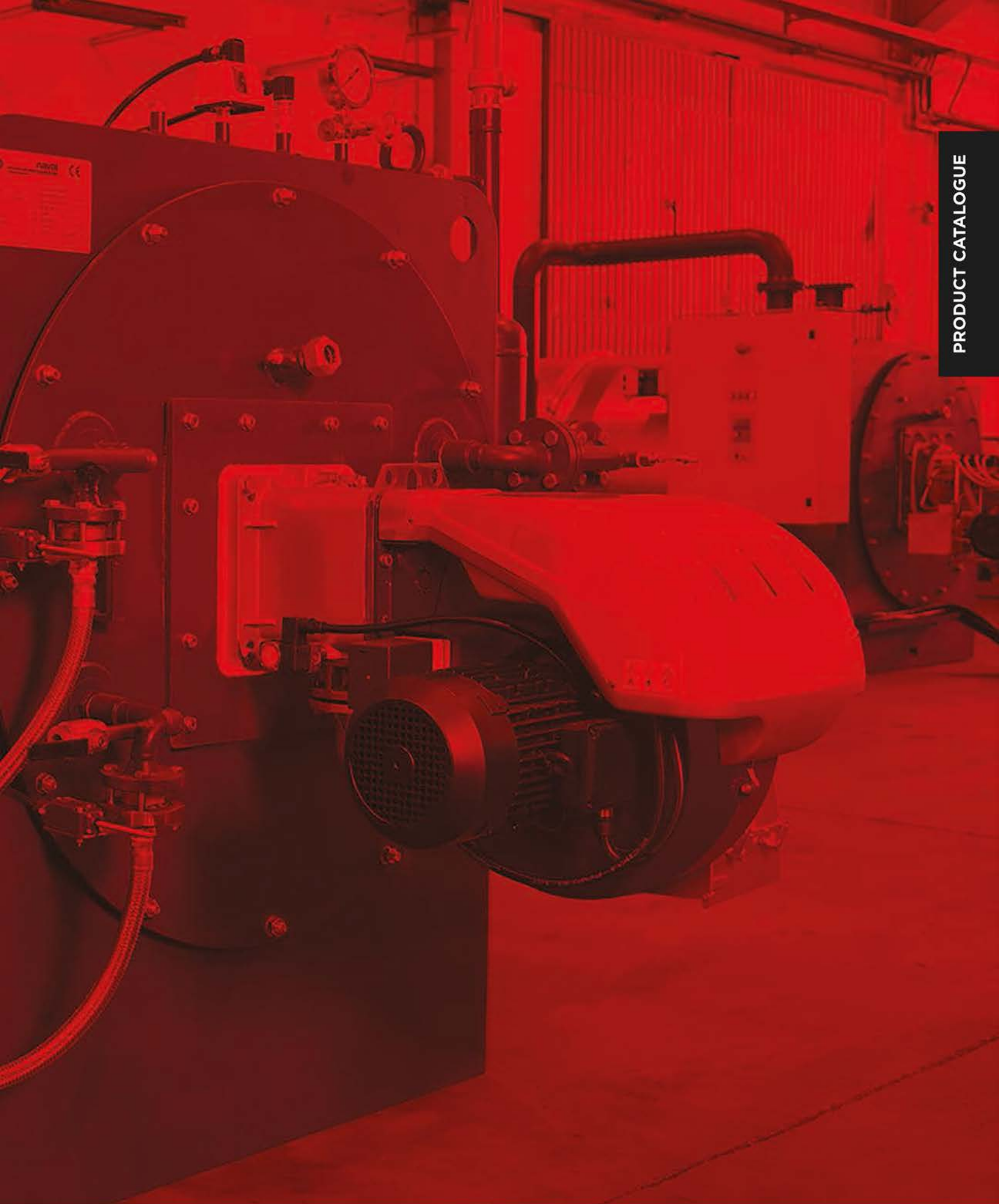
## Best specification with smallest size

SMART BOILER	Sb60	Sb80	Sb100	Sb150	Sb200	Sb250	Sb300
Boiler Capacity... Kw	34	42	55	85	100	135	160
Boiler Efficiency	86%	86%	86%	88%	88%	90%	90%
<b>Swimming Pool</b>							
Area ....m2	54	72	90	135	180	225	270
Voume....m3	68	90	113	169	225	281	338
Fuel....Lit/day	45	60	75	110	147	179	215
<b>Hotel</b>							
Double bed room	37	49	62	93	123	154	185
Storage water...m3	486	649	811	1216	1622	2027	2433
Fuel...Lit/day	6	8	10	15	20	25	30
<b>H.W Flow Rate</b>							
Lit/hr At 60 C	658	813	1064	1645	1935	2612	3096
Lit/hr At 70 C	524	650	851	1316	1548	2090	2477
Lit/hr At 80 C	439	542	710	1097	1290	1742	2064

Sb



STAINLESS STEEL BOILER



STEAM GENERATORS

## GPT MODEL

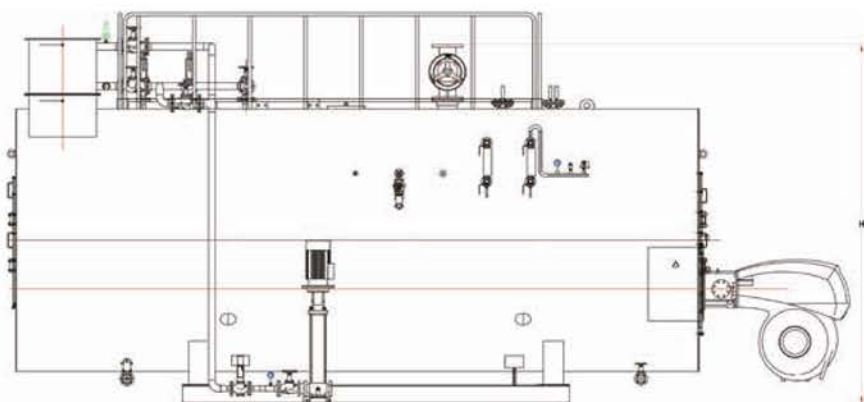


The model **GPT** is a 3-passes boiler with wet back wet. It can produce from 3,000 to 25,000 kg of steam per hour with a pressure up to 21 barg. It's used both for liquid and gaseous fuels and it allows a two-position regulation or in a modulating version both on fuel and on feed water.

This model, which represents the most technologically advanced on the market today, has been thoroughly engineered to ensure maximum efficiency (up to 95% efficiency using GN-ECO economizers) and minimum NOx emissions, according to the main environmental protection regulations.

The high-volume and high-performance GPT steam generator is recommended for those industries which require flexibility of operation, steam reserve, safety and continuity. It represents the ideal boiler for chemical, pharmaceutical, milk, food and paper industries, and for all installations which demand an absolute guarantee of the components, an impeccable and cured construction, and a sizing that consider harsh operating conditions.





### PRODUCT

- Steam generators, fire tube, 3 passes, up to 21 barg

### TPOLOGY

- Fire tube • 3 passes • Wet back • Through furnace • Horizontal

### CAPACITY

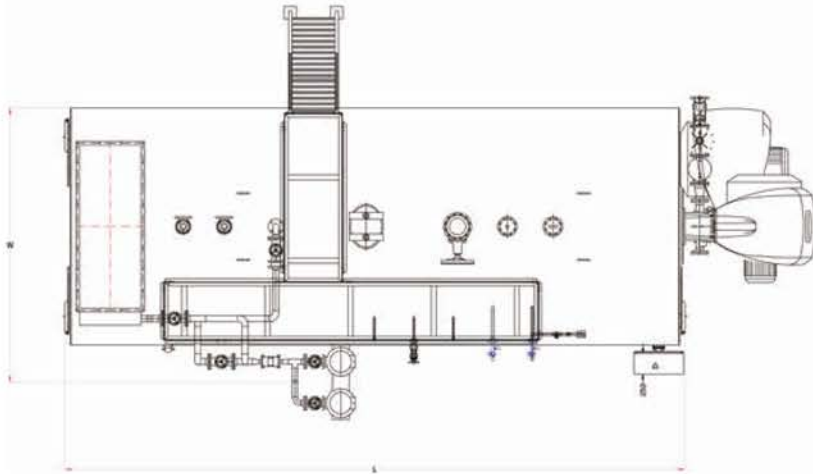
- 3,000 kg/h – 25,000 kg/h

## TECHNICAL DATA THREE PASSES FIRE STEAM BOILER

## GPT

TYPE		GPT 3000	GPT 4000	GPT 5000	GPT 6000	GPT 8000	GPT 10000
Steam production @ FW 85°C	kg/h	3,000	4,000	5,000	6,000	8,000	10,000
Steam production (from and at)	kg/h	3,333	4,444	5,556	6,667	8,889	11,111
	lb/h	7,347	9,796	12,244	14,693	19,591	24,489
Capacity	kcal/h	1,800,000	2,400,000	3,000,000	3,600,000	4,800,000	6,000,000
	kW	2,093	2,791	3,489	4,187	5,582	6,978
	Btu/h	7,142,681	9,523,574	11,904,468	14,285,362	19,047,149	23,808,936
	HP	2,807	3,743	4,679	5,614	7,486	9,357
Design pressure	bar	12	12	12	12	12	12
	psi	174	174	174	174	174	174
Efficiency without economizer	% ±1	90.0	89.1	89.5	89.0	89.0	89.0
Efficiency with economizer (4 rows)	% ±1	92.0	92.0	92.0	93.0	93.0	93.0
Efficiency with economizer (6 rows)	% ±1	94.0	94.0	94.0	94.0	94.0	94.0
Efficiency with economizer (8 rows)	% ±1	95.0	95.0	95.0	95.0	95.0	95.0
Total internal volume	m <sup>3</sup>	6.77	7.98	7.28	10.79	12.86	16.70
Level capacity	m <sup>3</sup>	5.68	6.59	6.07	8.81	10.46	15.40
Furnace pressure drop without economizer	mm H <sub>2</sub> O	80	90	110	115	110	130
Furnace pressure drop with economizer	mm H <sub>2</sub> O	92	106	126	128	126	147
Length (burner excluded)	mm	4,350	4,750	5,200	5,700	5,882	6,600
Width	mm	2,500	2,500	2,500	2,600	2,850	2,950
Height	mm	2,900	2,900	3,100	3,300	3,500	3,700
Empty weight without economizer	kg	8,500	9,200	9,500	12,100	13,800	17,500
Empty weight with economizer	kg	8,750	9,500	10,000	12,600	14,300	18,000





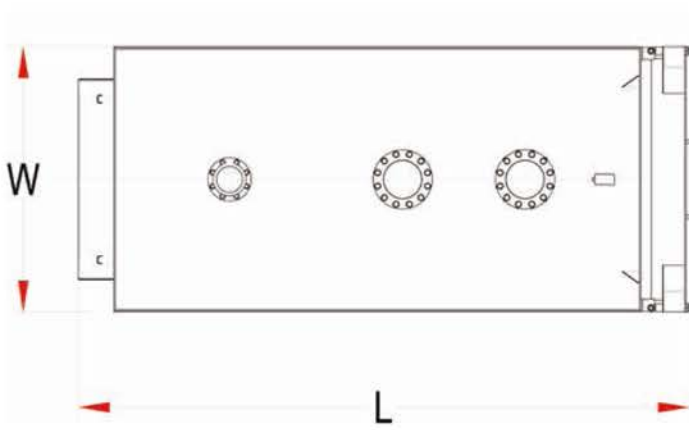
TECHNICAL DATA THREE PASSES FIRE STEAM BOILER			GPT			
TYPE		GPT 12000	GPT 15000	GPT 20000	GPT 22000	GPT 25000
Steam production @ FW 85°C	kg/h	12,000	15,000	20,000	22,000	25,000
Steam production (from and at)	kg/h	13,333	16,667	22,222	24,444	27,778
	lb/h	29,387	36,733	48,978	53,876	61,222
Capacity	kcal/h	7,200,000	9,000,000	12,000,000	13,200,000	15,000,000
	kW	8,374	10,467	13,956	15,352	17,445
	Btu/h	28,570,723	35,713,404	47,617,872	52,379,659	59,522,340
	HP	11,229	14,036	18,715	20,586	23,394
Design pressure	bar	12	12	12	12	12
	psi	174	174	174	174	174
Efficiency without economizer	% ±1	90.0	90.0	90.0	90.0	90.0
Efficiency with economizer (4 rows)	% ±1	93.0	93.0	93.0	93.0	93.0
Efficiency with economizer (6 rows)	% ±1	94.0	94.0	94.0	94.0	94.0
Efficiency with economizer (8 rows)	% ±1	95.0	95.0	95.0	95.0	95.0
Total internal volume	m <sup>3</sup>	19.30	22.58	32.45	36.36	38.15
Level capacity	m <sup>3</sup>	15.30	18.03	25.96	26.89	30.53
Furnace pressure drop without economizer	mm H <sub>2</sub> O	130	130	150	182	160
Furnace pressure drop with economizer	mm H <sub>2</sub> O	145	148	170	210	200
Length (burner excluded)	mm	7,000	7,350	8,050	9,000	8,800
Width	mm	3,300	3,500	3,700	4,100	4,000
Height	mm	3,950	4,300	4,550	4,900	4,800
Empty weight without economizer	kg	22,800	30,000	38,000	50,500	46,000
Empty weight with economizer	kg	23,300	30,500	on request	on request	on request

HOT WATER HEATERS  
**NPR  
MODEL**

**Pressurized steel boiler for hot water production.**

It can be equipped with a normal market burner and is suitable for liquid or gaseous fuels. Two-position adjustment or, on request, modulating. Water efficiency of over 90%.





### PRODUCT

- Pressurized heater for hot water

### TYOLOGY

- Fire tube • 3 passes • Wet back • Flame inversion • Horizontal

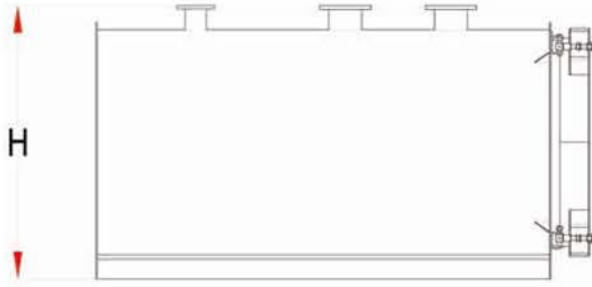
### CAPACITY

- 64 kW - 7,000 kW

HOT WATER HEATERS / NPR MODEL

TECHNICAL DATA HOT WATER HEATER			NPR									
TYPE		NPR 64	NPR 76	NPR 93	NPR 105	NPR 116	NPR 140	NPR 163	NPR 186	NPR 233	NPR 291	NPR 340
Max net output	kW	64	76	93	105	116	140	163	186	233	291	340
Max furnace output	kW	71	84	102	115	128	155	180	206	258	322	371
Water content	liters	86	86	86	126	126	126	151	151	203	247	298
Design pressure	bar	6	6	6	6	6	6	6	6	6	6	6
Efficiency	%	90.1%	90.5%	91.2%	91.3%	90.6%	90.3%	90.6%	90.3%	90.3%	90.4%	91.6%
Furnace pressure drop	mm H2O	1.5	1.8	2.5	3	3	4	8	14	18	22	34
Length (burner excluded)	L - mm	990	990	990	1,205	1,205	1,205	1,385	1,385	1,437	1,687	1,541
Width	W - mm	690	690	690	760	760	760	760	760	860	860	890
Height	H - mm	722	722	722	812	812	812	812	812	937	937	1,310
Empty weight	kg	212	212	212	309	309	309	349	349	485	555	629




**TECHNICAL DATA HOT WATER HEATER**
**NPR**

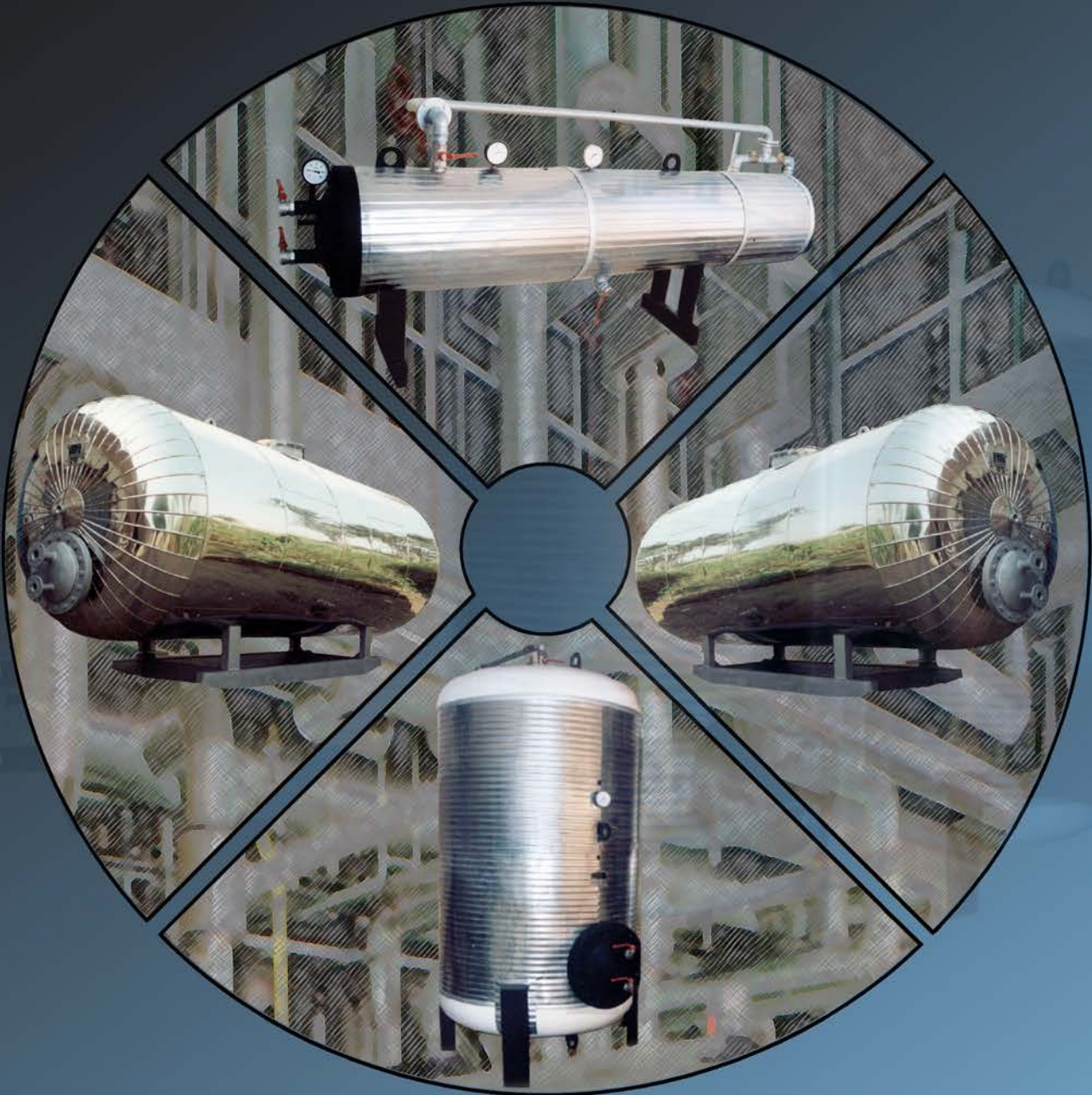
TYPE		NPR 420	NPR 510	NPR 630	NPR 760	NPR 870	NPR 970	NPR 1100	NPR 1320	NPR 1570	NPR 1850	NPR 2200
Max net output	kW	420	510	630	760	870	970	1,100	1,320	1,570	1,850	2,200
Max furnace output	kW	459	557	688	830	950	1,060	1,200	1,442	1,715	2,020	2,400
Water content	liters	398	462	565	671	753	836	1,040	1,242	1,418	1,617	2,086
Design pressure	bar	6	6	6	6	6	6	6	6	6	6	6
Efficiency	%	91.5%	91.6%	91.6%	91.6%	91.6%	91.5%	91.7%	91.5%	91.5%	91.6%	91.7%
Furnace pressure drop	mm H2O	29	43	55	51	57	49	52	67	60	73	65
Length (burner excluded)	L - mm	1,606	1,801	2,113	1,989	2,184	2,379	2,346	2,686	2,781	3,151	3,225
Width	W - mm	890	890	890	1,122	1,122	1,122	1,352	1,352	1,462	1,462	1,622
Height	H - mm	1,485	1,485	1,485	1,540	1,540	1,540	1,540	1,540	1,650	1,650	1,810
Empty weight	kg	796	919	1,049	1,341	1,447	1,553	1,821	2,030	2,780	3,280	4,145

**TECHNICAL DATA HOT WATER HEATER**
**NPR**

TYPE		NPR 2650	NPR 3000	NPR 3500	NPR 4000	NPR 4500	NPR 5000	NPR 5500	NPR 6000	NPR 6500	NPR 7000
Max net output	kW	2,650	3,000	3,500	4,000	4,500	5,000	5,500	6,000	6,500	7,000
Max furnace output	kW	2,890	3,280	3,825	4,371	4,838	5,422	5,914	6,507	6,990	7,591
Water content	liters	2,324	2,667	4,142	4,455	6,012	6,012	7,058	7,058	7,909	7,909
Design pressure	bar	6	6	6	6	6	6	6	6	6	6
Efficiency	%	91.7%	91.5%	91.5%	91.5%	93.0%	92.2%	93.0%	92.2%	93.0%	92.2%
Furnace pressure drop	mm H2O	76	60	74	80	8	110	100	120	105	120
Length (burner excluded)	L - mm	3,545	3,835	3,879	4,279	4,282	4,282	4,872	4,872	5,484	5,484
Width	W - mm	1,622	1,720	1,970	1,970	2,088	2,088	2,214	2,214	2,380	2,380
Height	H - mm	1,810	1,990	2,271	2,271	2,533	2,533	2,653	2,653	2,860	2,860
Empty weight	kg	4,465	5,110	6,700	7,500	4,682	4,682	4,872	4,872	5,484	5,484

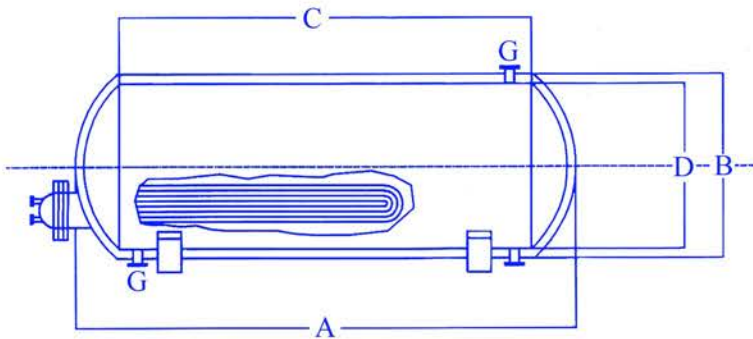
**Best Solution For Heat Transfer**

**Storage Calorifiers**

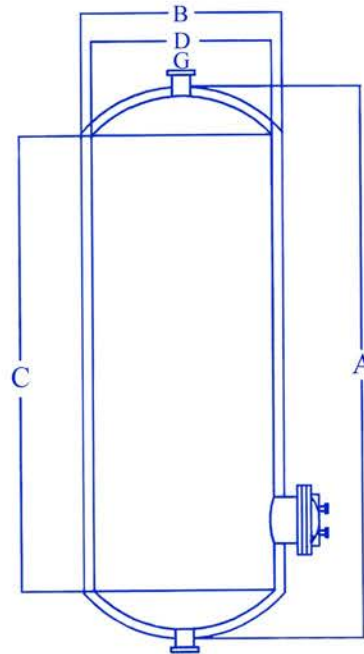


**HEATCO**  
International

## Horizontal Heat Exchanger Type : HEATCO HEX



## Vertical Heat Exchanger Type : HEATCO VEX

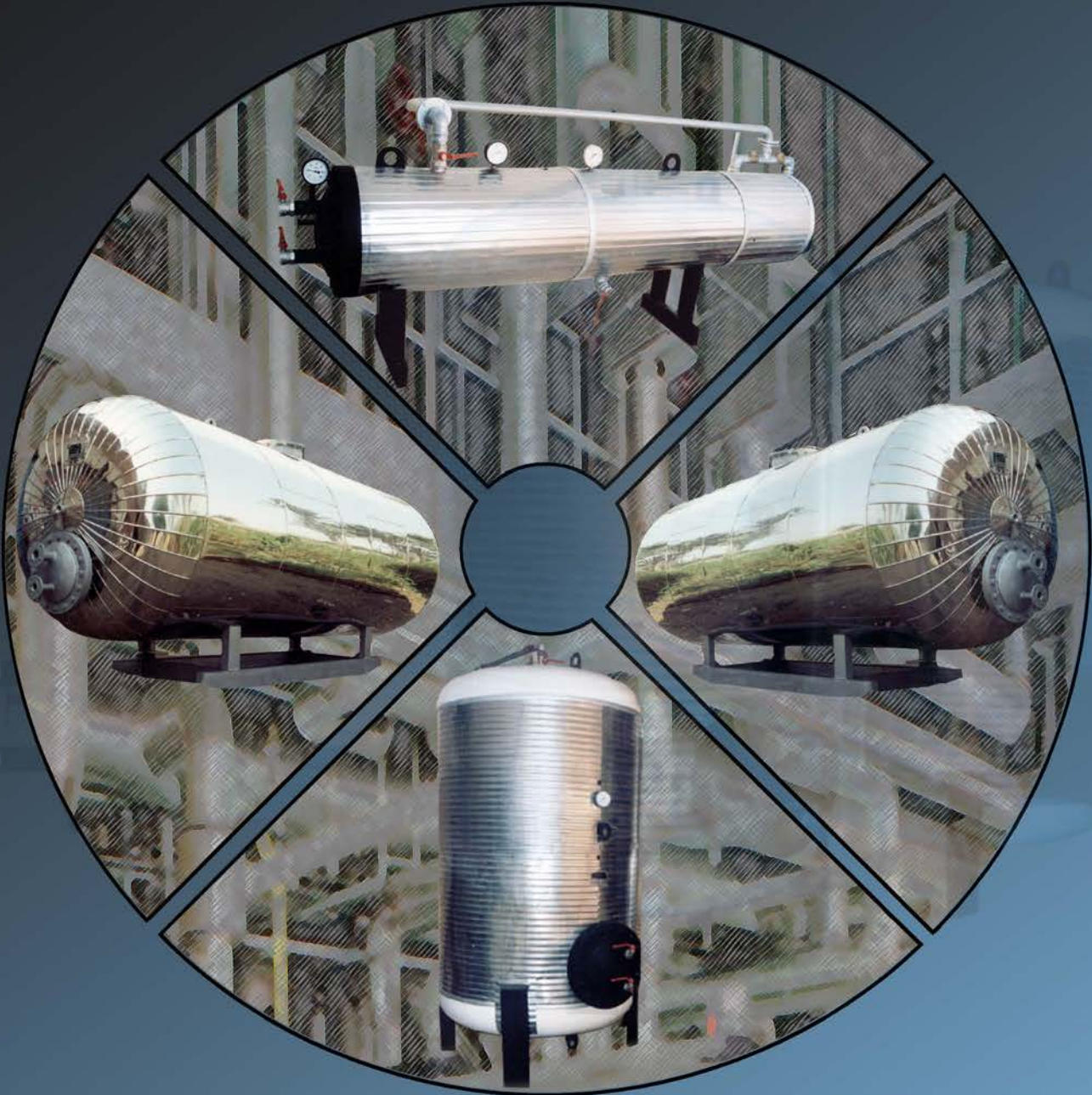


TYPE HEX	Capacity Liters	A	B	C	D	G	S.V
0.05	500	2000	750	1500	650	DN25	DN15
0.1	1000	2000	1050	1500	950	DN25	DN15
0.15	1500	2500	1050	2000	950	DN25	DN20
0.2	2000	3500	1050	3000	950	DN40	DN20
0.2	2000	2000	1370	1500	1270	DN40	DN20
0.25	2500	2500	1370	2000	1270	DN40	DN20
0.3	3000	2750	1370	2250	1270	DN40	DN20
0.4	4000	3500	1370	3000	1270	DN50	DN25
0.5	5000	4500	1370	4000	1270	DN50	DN25
0.6	6000	5250	1370	4750	1270	DN50	DN25
0.7	7000	4000	1690	3500	1590	DN50	DN25
0.8	8000	4500	1690	2000	1590	DN75	DN25
1	10000	5500	1690	5000	1590	DN75	DN25
1.2	12000	5000	1910	4500	1810	DN75	DN25
1.4	14000	5750	1910	5250	1810	DN75	DN32
1.6	16000	6500	1910	6000	1810	DN75	DN32
1.8	18000	5000	2330	4500	2230	DN75	DN32
2	20000	5500	2330	5000	2230	DN100	DN32
2.2	22000	6000	2330	5500	2230	DN100	DN32
2.4	24000	6500	2330	6000	2230	DN100	DN32

TYPE VEX	Capacity Liters	A	B	C	D	G	S.V
0.05	500	2000	750	1500	650	DN25	DN15
0.1	1000	2000	1050	1500	950	DN25	DN15
0.15	1500	2500	1050	2000	950	DN25	DN20
0.2	2000	2000	1370	1500	1270	DN40	DN20
0.2	2000	3500	1050	3000	950	DN40	DN20
0.25	2500	2500	1370	2000	1270	DN40	DN20
0.3	3000	2750	1370	2250	1270	DN40	DN20
0.4	4000	3500	1370	3000	1270	DN50	DN25
0.5	5000	4500	1370	4000	1270	DN50	DN25
0.6	6000	3500	1690	3000	1590	DN50	DN25
0.7	7000	4000	1690	3500	1590	DN50	DN25
0.8	8000	4500	1690	4000	1590	DN75	DN25
1	10000	4250	1910	3750	1810	DN75	DN25
1.2	12000	5000	1910	4500	1810	DN75	DN25
1.4	14000	5750	1910	5250	1810	DN75	DN32
1.6	16000	4500	2330	4000	2230	DN75	DN32
1.8	18000	5000	2330	4500	2230	DN75	DN32
2.0	20000	5500	2330	5000	2230	DN100	DN32

# Best Solution For Heat Transfer

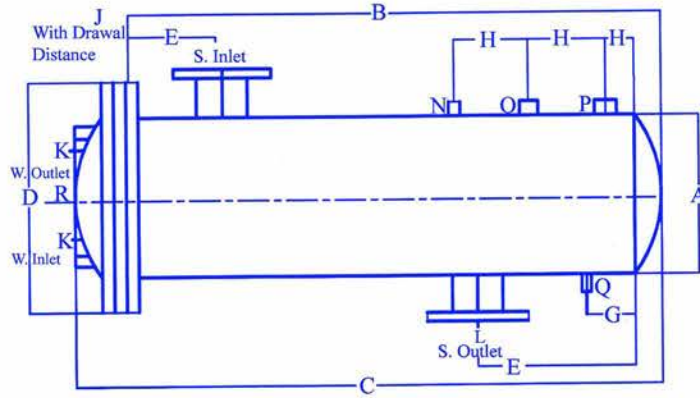
## Non-Storage Calorifiers



**HEATCO**  
International

# Instantaneous Heat Exchanger

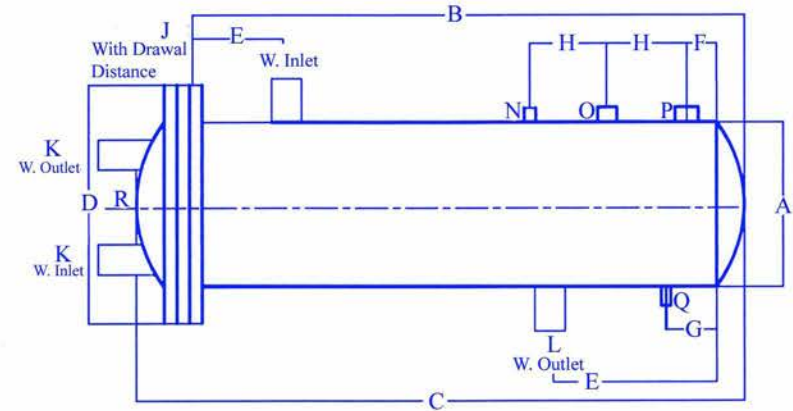
Type : HEATCO EX



Steam - Water

Type EX	Capacity K.Cal/hr	A	B	C	D	E	F	G	H	J	s.v	Drain	D.N	Steam	
														IN	Out
0.05	50000	240	850	1200	390	250	75	50	100	750	13	13	20	20	13
0.10	100000	240	850	1200	390	250	75	50	100	750	13	20	40	20	20
0.15	150000	240	1200	1500	390	250	75	65	125	1000	13	20	40	25	20
0.20	200000	240	1700	2000	390	300	75	65	150	1550	20	20	50	25	20
0.30	300000	380	1100	1400	530	300	75	75	150	1000	20	20	50	40	25
0.40	400000	380	1100	1400	530	300	75	75	150	1000	20	25	75	40	25
0.60	600000	380	2100	2400	530	300	75	75	200	1850	25	25	75	50	40
0.75	750000	380	2600	2400	530	350	75	75	200	1850	25	40	75	50	40
0.90	900000	380	3100	3400	530	350	75	75	200	2650	40	40	75	75	40
1.00	1000000	380	3100	3400	530	350	75	75	200	2650	40	40	75	75	40
1.20	1200000	380	3100	3400	530	450	100	75	200	2900	50	50	100	75	40
1.40	1400000	380	3100	3400	530	450	100	75	300	2900	50	50	100	100	50
1.60	1600000	480	2600	2900	630	450	100	75	300	2250	50	50	100	100	50
2.00	2000000	480	3100	3400	630	450	100	75	300	2950	50	50	125	100	50

Type : HEATCO EX



Water - Water

Type EX	Capacity K.Cal/hr	A	B	C	D	E	F	G	H	J	s.v	Drain	D.N		
0.05	50000	240	850	1200	390	250	75	50	100	750	13	13	20		
0.10	100000	240	1700	2000	390	250	75	50	100	1550	13	20	40		
0.15	150000	380	1200	1500	530	250	75	65	125	1000	13	20	40		
0.20	200000	380	1160	1400	530	300	75	65	150	1000	20	20	50		
0.30	300000	380	2100	2400	530	300	75	75	150	1850	20	20	50		
0.40	400000	380	2600	3000	530	300	75	75	150	2450	20	25	75		
0.60	600000	380	3100	3400	530	300	75	75	200	2900	25	25	75		
0.75	750000	480	2600	2900	530	350	75	75	200	2900	25	40	75		
0.90	900000	480	3100	3400	630	350	75	75	200	2950	40	40	75		
1.00	1000000	480	3100	3400	630	350	75	75	200	2750	40	40	75		
1.20	1200000	480	3100	3400	630	450	100	75	200	2850	50	50	100		
1.40	1400000	630	2600	2900	800	450	100	75	300	2300	50	50	100		
1.60	1600000	630	3100	3400	800	450	100	75	300	2800	50	50	100		
2.00	2000000	630	3100	3400	800	450	100	75	300	3800	50	50	125		



# Heat Exchanger



# Plate Heat Exchanger



## RANGE

PHC Plate to plate Exchangers range is composed by 4 sizes, each one combined with innumerable number of plates, giving suitable solutions to several application of the HVAC industry.

In particular PHC 3120 plate allows an output from 43kw to 370kw with high delta T (80°C primary circuit and 10°C to 45°C on the secondary). With similar energy request but different and lower delta T, the PHC 4620 and PHC 7420 shall be selected.

For big output request version PHC 7431 is recommended.

The following tables shall be considered as merely indicative tool, for an optimized designing of Heat exchanger Dimension, our technical department will support you on every request.

domestic application, the PHC are suitable for district heating installation.

## TECHNICAL INFORMATION

PHC exchangers are inspectionable plate to plate type. Their shape ensures the possibility of open the exchanger for cleaning.

The modular design allows you to change the configuration of the exchanger even after a period of use (within certain limits).

PHC exchangers are designed for the use stated on Art. 3.3 of PED 97/23/CE.. In particular, they are intended to be used with non-dangerous liquids with steam pressure at maximum operating temperature not exceeding 0.5 bar above normal atmospheric pressure.

Every Exchanger has serial number label and end-user manual.

## MAXIMUM OPERATING CONDITIONS

Max. Pressure= 10bar

Max. Temperature= 140°C (to be intended as max working temperature of gaskets).

Pressure not exceeding 0.5 bar above normal atmospheric pressure.

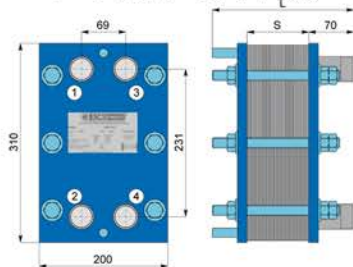
## MATERIAL

- Frame (not in contact with fluids) in painted mild steel
- Guide for Heat exchanger plates, bolts and screw nuts (not in contact with fluids) in galvanized mild steel
- Nipples and plates (in contact with fluid) in 316L Stainless Steel
- EPDM Gaskets

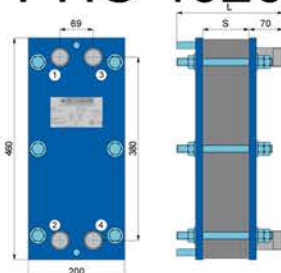
## APPLICATION

PHC Heat exchangers are used in domestic and industrial installation. In particular they're suitable for production of D.H.W., as well as for heating of swimming pools using different energy sources (traditional boiler, solid fuel, solar thermal system). For

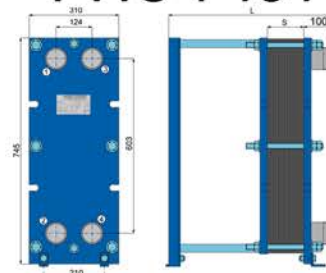
## PHC 3120



## PHC 4620



## PHC 7431



N° of PLATES	Art. Nr.		S Fixing quote	L	Primary Vol. = Secondary Vol.	Output (*)		Primary Flow rate	Secondary Flow rate	Primary Circuit Inlet	Secondary Circuit Outlet
			[mm]			[mm]	[Kcal/h]				
9	3175056650009	PHC 3120	27	220	0,2	36973	43	2,5	2,5	3/4"	3/4"
13	3175056650013		39		0,3	65348	76	2,5	2,5	3/4"	3/4"
17	3175056650017		51		0,4	93723	109	5,00	5,00	1"	1"
21	3175056650021		63		0,5	122958	143	7,5	7,5	1"	1"
25	3175056650025		75		0,6	151333	176	7,5	7,5	1"	1"
29	3175056650029		87		0,7	180567	210	10,00	10,00	1"1/4	1"1/4
33	3175056650033		99	0,8	209802	244	10,00	10,00	1"1/4	1"1/4	
37	3175056650037		111	0,9	239037	278	15,00	15,00	1"1/2	1"1/2	
41	3175056650041		123	1	268272	312	15,00	15,00	1"1/2	1"1/2	
45	3175056650045		135	1,1	292347	340	15,00	15,00	1"1/2	1"1/2	
55	3175056650055		165	1,35	318143	370	15,00	15,00	1"1/2	1"1/2	
41	3175056651041		PHC 4620	123	370	1,8	327601	381	15,00	15,00	1"1/2
45	3175056651045	135		1,98		343938	400	20,00	20,00	2"	2"
49	3175056651049	147		2,16		356836	415	20,00	20,00	2"	2"
53	3175056651053	159		2,34		369733	430	20,00	20,00	2"	2"
17	3175056653017	PHC 7431	60	630	2,24	408426	475	20,00	20,00	2"	2"
21	3175056653021		73		2,8	524506	610	30,00	30,00	2"1/2	2"1/2
25	3175056653025		87		3,36	646604	752	30,00	30,00	2"1/2	2"1/2
29	3175056653029		101		3,92	766982	892	37,5	37,5	2"1/2	2"1/2
33	3175056653033		114		4,48	887360	1032	50,00	50,00	2"1/2	2"1/2
37	3175056653037		128		5,04	1007739	1172	60,00	60,00	3"	3"
41	3175056653041		142		5,6	1128117	1312	60,00	60,00	3"	3"
45	3175056653045		155		6,16	1246776	1450	65,00	65,00	3"	3"
49	3175056653049		169		6,72	1367154	1590	70,00	70,00	3"	3"
53	3175056653053		183		7,28	1487532	1730	75,00	75,00	4"	4"
55	3175056653055	190	7,56	1547721	1800	80,00	80,00	4"	4"		

## EXTRA 1 / VAPORE

CALORIFIERS WITH 1 EXTRACTABLE HEAT EXCHANGER

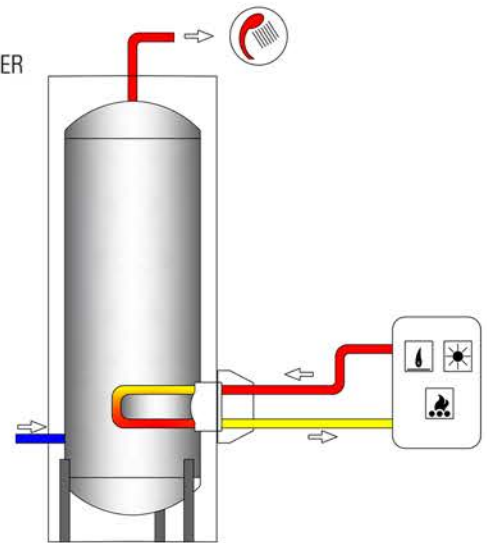


### Water Heat Exchanger

[liters]	FINISHING	STORAGE		HEAT EXCHANGERS	
		WPmax	WTmax	WPmax	WTmax
200 ÷ 1000	POLYWARM <sup>®</sup>	8 bar	90 °C	12 bar	110 °C
1500 ÷ 5000	POLYWARM <sup>®</sup>	6 bar			

### Steam Heat Exchanger

[liters]	STORAGE		HEAT EXCHANGER	
	WPmax	WTmax	WPmax	WTmax
500 ÷ 1000	8 bar	90 °C	6 bar	165 °C
1500 ÷ 5000	6 bar			



#### APPLICATION

Production and storage of sanitary hot water for domestic and industrial uses.

#### MATERIAL

Material and finishings, suitable drinkable water according to D. M. n. 174 dated 06.04.04.;

- Mild steel Polywarm<sup>®</sup> coated (certification ACS - SSICA - DVGW - W270 - UBA - WRAS)
- Galvanized version (on request)

#### HEAT EXCHANGER

The thermal exchange is ensured by the innovative Heat Exchanger for legionellosis-prophilaxis, with tubes bent to the bottom (available on Stainless Steel 316L or Copper)

#### INSULATION

**NOFIRE<sup>®</sup>** 50 mm soft polyester fibre 100% made of recyclable material, with high Thermal insulation and Thermal conductivity: **0.035 W/mK**. Fire resistance class **B-s2d0** according to **EN 13501**.

Grey PVC external lining complete with top and flange cover.

#### CATHODE PROTECTION

- Polywarm<sup>®</sup>: magnesium anode with Anoden-tester
  - Galvanized: magnesium anode
- For capacity > 1500lt n° 2 magnesium anodes.  
Electronic anode on request (see accessories).

#### DRAIN

External confluence through drain connection.

For capacity > 1t 1000 external confluence through drain pipe.

#### GASKET- FLANGE PLATE

- Silicone gaskets suitable for alimentary use for max temperature up to 200 °C. (D.M. n.174 dated 2004)
- Flange plate.

#### WARRANTY

- 5 years (Polywarm<sup>®</sup>)
- See general sales conditions and warranty

### EXTRA 1 WXC VT VAPORE/STEAM

Capacity [liters]	D.H.W. Storage: <b>POLYWARM<sup>®</sup> coated</b> Heat Exchanger: <b>STAINLESS STEEL</b>	
	Art. Nr.	Surface m <sup>2</sup>
500	3069162360103	1
800	3069162360104	1,5
1000	3069162360105	2
1500	3069162360106	3
2000	3069162360107	3
2500	3069162360111	3
3000	3069162360108	3
4000	3069162360109	4
5000	3069162360110	5

### EXTRA 1 WXC VT WATER

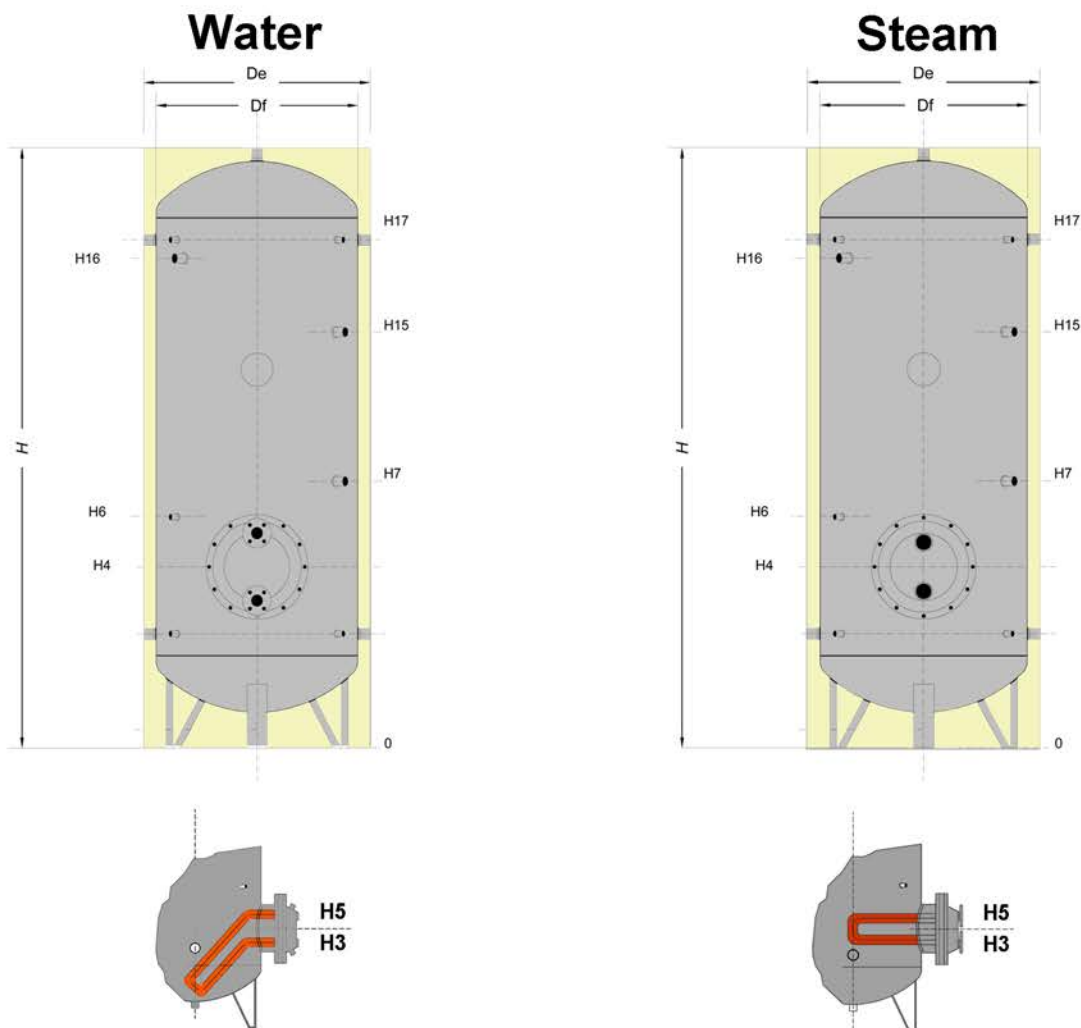
Capacity [liters]	D.H.W. Storage: <b>POLYWARM<sup>®</sup> coated</b> Heat Exchanger: <b>STAINLESS STEEL</b>	
	Art. Nr.	Surface m <sup>2</sup>
200	3072162360102	0,5
300	3072162360103	0,75
500	3072162360104	1
800	3072162360105	1,5
1000	3072162360106	2
1500	3072162360107	3
2000	3072162360108	4
2500	3072162360113	5
3000	3072162360109	6
4000	3072162360110	8
5000	3072162360112	10

### EXTRA 1 WRC VT WATER

Capacity [liters]	D.H.W. Storage: <b>POLYWARM<sup>®</sup> coated</b> Heat Exchanger: <b>COPPER</b>	
	Art. Nr.	Surface m <sup>2</sup>
200	3072162350102	0,5
300	3072162350103	0,75
500	3072162350104	1
800	3072162350105	1,5
1000	3072162350106	2
1500	3072162350107	3
2000	3072162350108	4
2500	3072162350113	5
3000	3072162350109	6
4000	3072162350110	8
5000	3072162350112	10



Stainless Steel Heat Exchangers 316L, for a total Hygienic and long product life. For special executions please refer to our Sales Dept.



	Capacity	Net Volume	Df	De	H	H7	H16	H17	H3	H4	H5	H6
	[liters]	[liters]	[mm]									
Water Steam	200	189	450	550	1441	701	1066	1176	351	401	451	511
	300	290	550	650	1549	785	1150	1260	435	485	535	595
	500	499	650	750	1841	801	1370	1526	451	501	551	611
	800	791	750	850	2138	898	1638	1793	478	568	658	718
	1000	1037	850	950	2192	989	1660	1814	499	589	679	739
	1500	1440	950	1050	2390	1075	1895	2050	585	675	765	825
	2000	1980	1100	1200	2442	842	1877	2057	587	692	797	867
	2500	2314	1250	1350	2311	976	1732	1891	671	776	881	951
	3000	2921	1250	1350	2811	1036	2232	2391	731	836	941	1011
	4000	3766	1400	1500	2875	1035	2238	2410	750	855	960	1030
5000	4986	1600	1700	2915	1035	2265	2420	750	855	960	1030	

**HeatCo**<sup>®</sup>  
International

0122 27 27 255

Made in Italy



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Mob.: 0100 610 97 35  
mail: [sales@heatcointernational.com](mailto:sales@heatcointernational.com)  
[www.heatcointernational.com](http://www.heatcointernational.com)



nuova  
**Coterm**  
boilers

**heizer**  
ITALIAN HEATERS

Boiler For heating systems



**CONVENTIONAL FLUE WATER HEATERS**

The range of water heaters are **conventional flue** type, tested and certified for use with natural gas and LPG.

The range have **piezo ignition**, high limit stat, control stat and are equipped with stainless steel bur-ner offering a high level of efficiency. This operates in conjunction with a **permanent pilot** and thermocouple. The **gas valve** is fitted with a thermostat and an **ECO** (Energy Cut Off), which is activated in the event of thermostat failure.

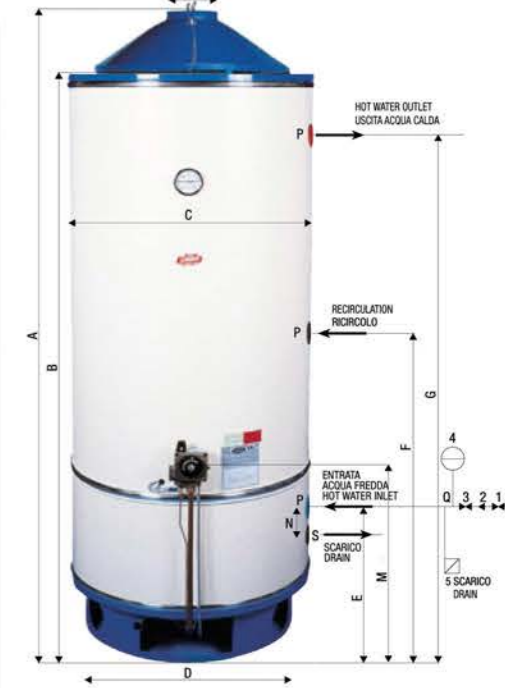
There is also a **magnesium anode** fitted for added protection against corrosion. The **insulation** is in high density mineral glass wool between the storage tank and outer casing.

The range of water heaters must be installed in such a position as to allow adequate air supply for combustion and ventilation.

The range can be installed in a **singular** or **multiple** configuration. By linking more units together will increase the storage capacity as well as the **continuous output**, thus catering for the most demanding of applications. All units are free standing and need very **little installation**, with connections to water, gas, and the flue system required.



MODELLO	BGSolar	BGSolar	BGSolar	BGSolar	BGSolar	BGSolar	BGSolar	BGSolar	BGSolar
LITRI LITERS	150	200	300	400	500	600	800	1000	
A	1300	1500	1700	1760	1990	2090	2000	2220	
B	1200	1400	1500	1560	1790	1890	1800	2020	
C	540	540	700	750	750	800	990	990	
D	480	480	600	650	650	700	900	900	
E	360	360	375	380	380	390	460	460	
F	600	725	845	850	920	990	950	1070	
G	1230	1430	1235	1270	1520	1610	1440	1680	
I	100	100	140	140	140	140	160	160	
M	400	400	620	630	630	660	710	720	
N	/	/	100	100	100	100	120	120	
P	3/4"	3/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	



MODELLO - MODEL	UM	SERIE BG - BG SERIES							
		150	200	300	400	500	600	800	1000
CAPACITÀ REALE APPARECCHIO EFFECTIVE CAPACITY	Litri	150	200	240	390	450	565	780	950
PORTATA TERMICA NOMINALE RATED OUTPUT	kW	9,9	9,9	23,7	23,7	23,7	23,7	37,0	37,0
POTENZA TERMICA UTILE EFFECTIVE OUTPUT	kW	8,2	8,2	19,9	19,9	19,9	19,9	32,5	32,5
Ø CONDOTTO EVACUAZIONE FUMI Ø FLUE GAS PIPE	mm	100	100	140	140	140	140	160	160
PRESSIONE MAX ACQUA MAX WATER PRESSURE	bar	6	6	6	6	6	6	6	6
TEMPERATURA FUMI FLUE GAS TEMPERATURE	°C	176	176	125	120	115	115	123	123
METANO G20 - PRESSIONE 20 mbar / NATURAL GAS G20 - Inlet valve pressure 20 mbar									
CONSUMO CONSUMPTION	m3/h	1	1	1,8	2,5	2,50	2,5	3,90	3,90
Ø UGELLO BRUCIATORE Ø BURNER NOZZLE	mm	2,40	2,40	4,10	4,10	4,10	4,10	3,15x3	3,15x3
Ø UGELLO PILOTA Ø PILOT FLAME	mm	2x0,27	2x0,27	2x0,27	2x0,27	2x0,27	2x0,27	2x0,27	2x0,27
PRESSIONE ALLA VALVOLA PRESSURE AT VALVE	mbar	15,5	15,5	11,6	11,6	11,6	11,6	11,7	11,7
PORTATA MASSICA FUMI MAX FLUE FLOW	g/s	6,7	6,7	18,8	18,8	18,8	18,8	32,0	32,0
GPL G30/G31 PRESSIONE 30/37 mbar / LGP GAS - Inlet valve pressure 30/37 mbar									
CONSUMO CONSUMPTION	Kg/h	0,75	0,75	1,30	1,80	1,80	1,80	2,90	2,90
Ø UGELLO BRUCIATORE Ø BURNER NOZZLE	mm	1,60	1,60	2,40	2,40	2,40	2,40	1,80x3	1,80x3
Ø UGELLO PILOTA Ø PILOT FLAME	mm	0,22	0,22	0,22	0,22	0,22	0,22	0,22	0,22
PORTATA MASSICA FUMI MAX FLUE FLOW	g/s	12,3	12,0	19,0	19,0	19,0	19,0	30,6	30,6

SERPENTINO IN RAME ALETTATO	
KW	mod.
5,8	120

SERPENTINO IN RAME ALETTATO			
KW	m²	cod.	mod.
12	0,6	7082	150-200
20	1,0	7083	300 ÷ 500
30	1,5	7084	600-800-1000
40	2,0	7085	1500-2000



**ELECTRONIC GAS WATER HEATERS**

The **electronic** version of the conventional flue range. This range is equipped with an **electronic gas valve** with flame ionization instead of a pilot flame.

The heaters are fitted with a **flame sensing electrode** and **safety thermostat**. It is also possible to programme the water heater if peak demands are required at certain times in the day.

Additionally, the water heater can be connected to BMS (**Building Management Systems**) with volt free contacts.

The range offers **lower running costs** as important advantage over the permanent pilot

There is also a magnesium anode fitted for added protection against corrosion.

The range of water heaters must be installed in such a position as to allow adequate air supply for combustion and ventilation.



# Pacemaker® Water Heaters



**Pacemaker**

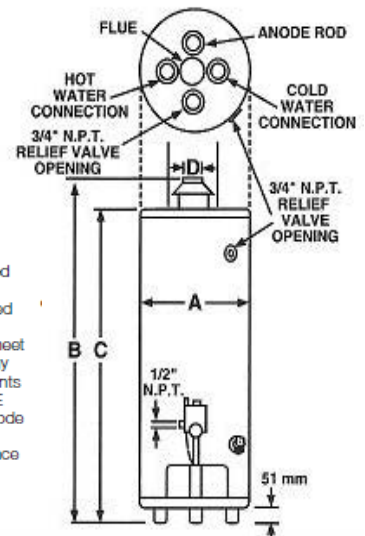
**Available in 114, 151, 189, 284 and 379 Liter Tall, 114 and 151 Liter Short Models**

- Temperature and pressure relief valve included
- R-Foam® insulation process for superior heat retention
- Gasmaster™ burner with precision port alignment for even heat transfer
- Heat saving flue baffle design
- Model specific burners engineered for high BTU input
- LP models feature durable stainless steel burners designed specifically for LP gas and Robertshaw® controls
- Side relief valve connection
- Maximum working pressure of 150 PSI (10 BARS)

**Plus...**

- Easy to light – no matches required
- EverKleen™ patented system fights sediment build-up
- Brass drain valve and temperature and pressure relief valve are included
- Standard replacement parts

Units meet or exceed ANSI requirements and have been tested according to D.O.E. procedures. Units meet or exceed the energy efficiency requirements of NAECA, ASHRAE standard 90, ICC Code and all state energy efficiency performance criteria.



DESCRIPTION			FEATURES				DIMENSIONS (SHOWN IN MM)				
TANK LITER CAPACITY	HEIGHT DESCRIPTION	MODEL NUMBER	MJ/H		RECOVERY IN LITERS @ 50° C RISE	FIRST HOUR DELIVERY LITERS	TANK DIAMETER A	VENT HEIGHT B	TANK HEIGHT C	VENT SIZE D	APPROX. SHIP WT. (KG.)
			NAT	LP							
114	TALL	EX-P 30-6	33.7	–	122	201	400	1499	1422	76	44
114	TALL	EX-P 30-7P	–	31.6	115	193	400	1499	1422	76	44
151	TALL	EX-P 40-7	35.9	–	130	220	451	1524	1435	76	50
151	TALL	EX-P 40-7P	–	35.9	130	220	451	1524	1435	76	50
189	TALL	EX-P 50-2	38	–	138	257	502	1549	1448	76	65
189	TALL	EX-P 50-2P	–	38	138	257	502	1549	1448	76	65
189	TALL	EX-P 50-4	52.7	–	192	314	502	1549	1448	102	67
189	TALL	EX-P 50-4P	–	52.7	192	314	502	1549	1448	102	67
189	TALL	EX-P 50-6	63.3	–	229	360	584	1613	1518	102	81
189	TALL	EX-P 50-6P	–	63.3	229	360	584	1613	1518	102	81
284	TALL	EX-PR75	79.1	–	289	481	667	1638	1537	102	145
284	TALL	EX-PR75P	–	79.1	289	481	667	1638	1537	102	145
379	TALL	EX-P100	79.1	–	289	511	667	1727	1626	102	159
379	TALL	EX-P100P	–	79.1	289	511	667	1727	1626	102	159
114	SHORT	EX-P30S-2	27.4	–	100	189	451	1238	1149	76	42
114	SHORT	EX-P30S-2P	–	27.4	100	189	451	1238	1149	76	42
151	SHORT	EX-P40S-2	29.5	–	107	250	502	1276	1207	76	46
151	SHORT	EX-P40S-2P	–	29.5	107	250	502	1276	1207	76	46

*In keeping with its policy of continuous progress and product improvement, Ruud reserves the right to make changes without notice.*



INSTANTANEOUS COMBI

**ENERGY**

**RBC - RBS**

**POWER 24 KW**

HEATING TECHNOLOGY SINCE 1959

**CLASSIC**





# ENERGY THE REAL ENERGY IS ON THE SAVINGS

**INSTANTANEOUS COMBINATION**

**ENERGY**

RBC - RBS

**POWER 24 KW**



CLASSIC

**THE NEW ENERGY SERIES** combine fine performances and savings, in just one product

**THE UNIT IS REMARKABLY REVAMPED** and is the perfect solution for replacement purposes, as well as for the first installation

**THE WELL-FAMOUS RADIANT** reliability is further enhanced by the new electronics, which guarantee an even better control of the performances

**A BETTER AND USER FRIENDLY** functionality, run through the control panel, to suit all needs

**BETTER EFFICIENCY** new prestigious components, to guarantee the highest durability and performances

**GREAT SAVINGS** the endless functions and the quality of the components lead to fine performances and savings





DISPLAY OF THE INFORMATION

IGNITION AND OPTIONS

TEMPERATURE ADJUSTMENTS  
CENTRAL HEATING 30°/80°C

RESET

TEMPERATURE ADJUSTMENTS  
D.H.W. PRODUCTION 35°/60°C

### DIGITECH® TR PCB

MAIN FEATURES:

**ONE PCB** FOR ALL MODELS

**HIGH** IP PROTECTION

**MEMORY FUNCTION** DISPLAY OF THE  
LAST 5 ERRORS

**USER** FRIENDLY

## A NEW DESIGN, MODERN AND PRACTICAL ENHANCES DIGITECH® TR, THE STEP FORWARD OF THE RADIANT ELECTRONICS.

**DIGITECH TR** is now our standard among all the classic units. DIGITECH TR provides immediate information and constant interaction with the end user. By pressing the **button "i"** all the functions are displayed and enables the end user to adjust all parameters to meet the various needs. The newly added function **MEMORY displays** the last 5 errors of the PCB, thus making it easier the service of the appliance. The new control panel features a new

**LCD display**, blue back-light, and run the various temperatures of different zones, sensors and the other items of a solar loop: tank, pump and solar panels without the need of a remote control.



TECNICAL DATA		RBC	RBS
NOMINAL INPUT	kW	25,6	25,5
MINIMUM NOMINAL INPUT	kW	11,5	11,5
SANITARY NOMINAL INPUT	kW	25,6	25,5
SANITARY MINIMUM NOMINAL INPUT	kW	11,5	11,5
<b>EFFICIENCIES</b>			
EFFICIENCY AT 100% (FULL LOAD)	%	90,6%	93,3%
<b>COMBUSTION DATA</b>			
NOX CLASS	class	2	2
EFFICIENCY STAR RATING (DIRECTIVE 92/42/CEE)	no.of stars	2	3
<b>CENTRAL HEATING</b>			
ADJUSTABLE TEMPERATURE	°C	30-80 / 25-45	30-80 / 25-45
MAXIMUM WORKING TEMPERATURE	°C	90	90
MAXIMUM WORKING PRESSURE	bar	3	3
CAPACITY OF THE EXPANSION VESSEL	l.	7	7
<b>D.H.W. PRODUCTION</b>			
ADJUSTABLE TEMPERATURE	°C	35-60	35-60
MAXIMUM WORKING PRESSURE	bar	6	6
MINIMUM WORKING PRESSURE	bar	0,5	0,5
SPECIFIC FLOW RATE, STEADY CONDITIONS - ΔT 30°C	l./min	11,07	11,36
<b>OVERALL DIMENSIONS</b>			
WIDTH X DEPTH X HEIGHT	mm	410 x 320 x 730	410 x 270 x 730
SHIPPING WEIGHT	Kg	32	32
<b>VENTINGS</b>			
HORIZONTAL COAXIAL VENTING - KIT K	Ø mm	130	60/100
MAXIMUM LENGTH	m	-	5
HORIZONTAL SEPARATE FLUES VENTING - KIT H	Ø mm	-	80/80
MAXIMUM LENGTH	m	-	30
<b>ELECTRICAL FEEDING</b>			
VOLTAGE-FREQUENCY	V/Hz	230 - 50	230 - 50
MAXIMUM ELECTRICAL CONSUMPTION	W/h	125	125
ELECTRICAL ISOLATION DEGREE	IP	X4D	X4D

# RAVENHEAT<sup>®</sup>



## Condensing Boiler

The First CE Certified Boiler In Egypt



**5** YEARS  
WARRANTY\*

**HeatCo**<sup>®</sup>  
International





Built to exacting ISO 9001 standards using quality components, carrying the European CE mark. Each appliance undergoes a rigorous testing and operating procedure before being carefully packed for maximum protection, ready to leave our factory.

The HE combination boiler has a high resolution backlit LCD screen, featuring customer friendly buttons for optimum operation, making it easy to use in poor light conditions. This feature enables the user to easily set the heating and hot water temperatures, central heating times and view the system pressure.

### Installer Benefits

- Installation approved by British and European law
- Brass and Premium Branded Components for Lasting Quality
- Stainless Steel main heat exchanger
- Fully accessible from the front making service easier
- Side clearance of only 1mm required
- Easy release control panel allows easy access for servicing nuisance freezing in winter
- Multi fix wall hanging bracket available (optional)
- Flexible condensation pipe for multi positioning discharge
- Lightweight design to aid installation
- Removable side panels
- Built-in automatic by-pass
- Anti-locking pump and valve feature

### Customer Benefits

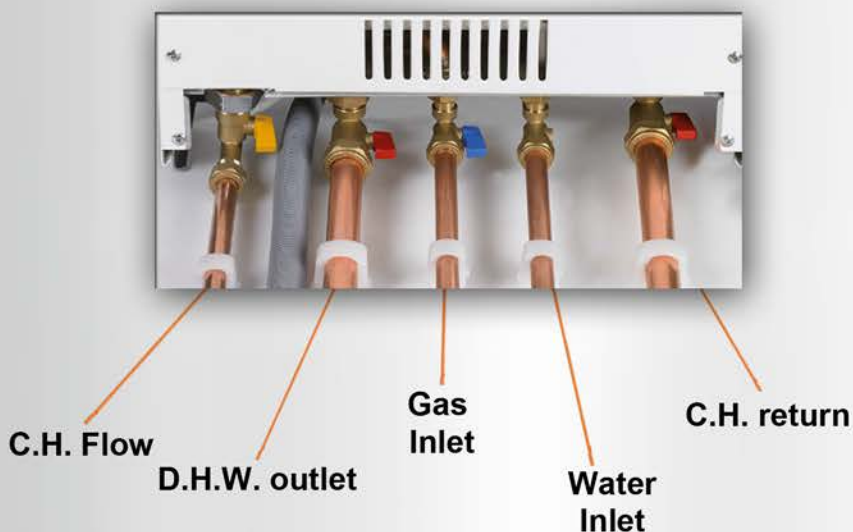
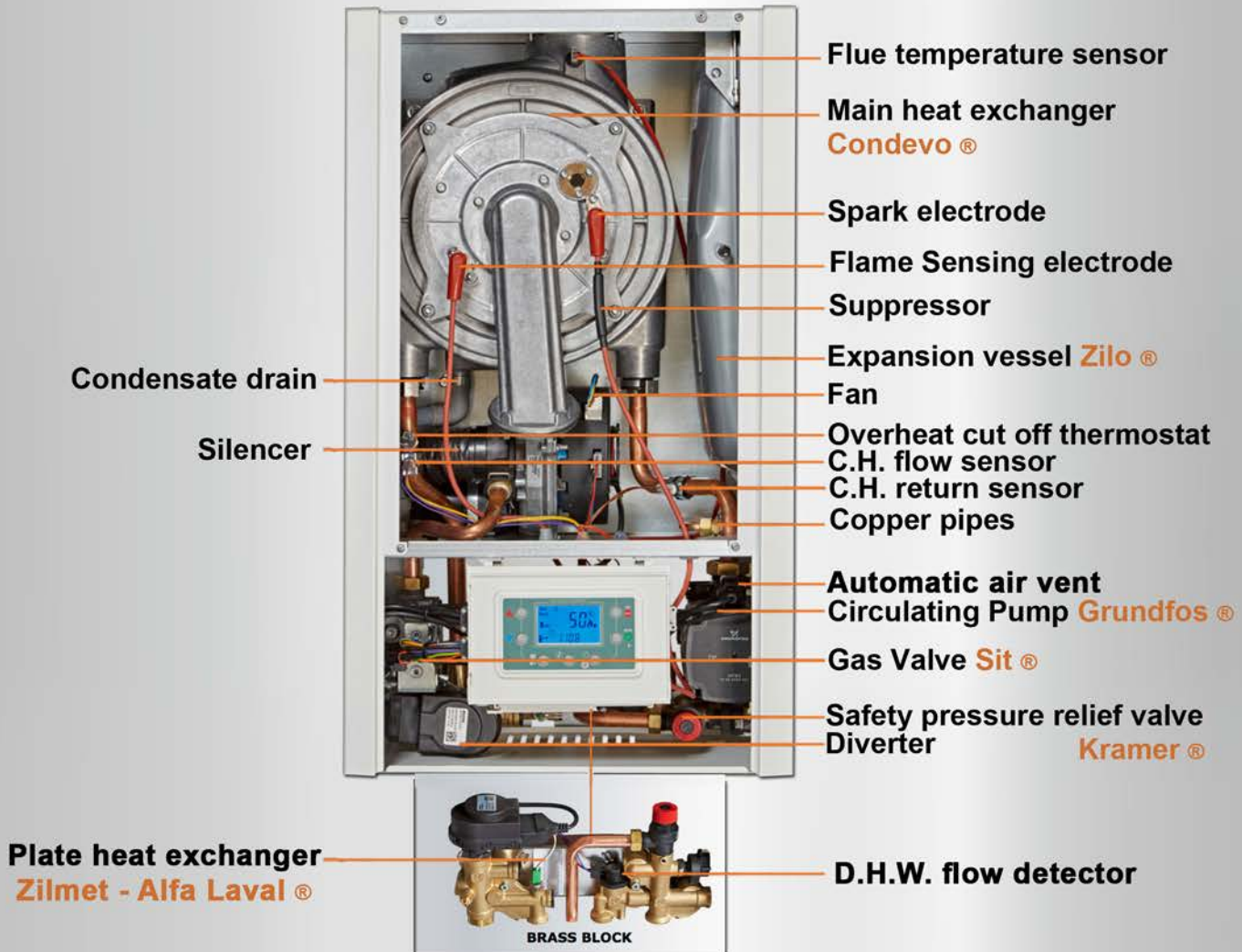
- SEDBUK A Rate
- 5 years warranty
- Opentherm Compatible
- Compact Size – H-700mm, W-400mm, D-250mm
- Fully ErP compliant
- Backlit LCD
- Whisper Quiet in Operation
- Built-in frost protection
- Integral colour coded valve kit eliminates unsightly valves below the boiler
- Less Natural Gas Consumption
- User friendly controls, simple and easy to use
- High density insulation
- DHW pre-heat function
- Minimum low power of only 3.7kW further reduces energy cost

### Single Stainless Steel Coil Heat Exchanger

The stainless steel single coil heat exchanger will ensure constant water speeds over a long lifecycle, coupled with this being able to access the heat exchanger from the front facilitates ease of service through the lifecycle of the boiler. The coil itself is designed to have wide water ways which lessens the likelihood of debris build up in the heat exchanger, the absence of manifolds lengthens the life expectancy of the heat exchanger by reducing the number of weld points and the number of seals.



# IT'S WHAT'S ON THE INSIDE THAT COUNTS



# Condensing vs. Non-Condensing Boilers

## A matter of efficiency

The main reason why condensing boilers are "better" than non-condensing ones is that they are at least 25% more efficient. Their level of efficiency is achieved by using waste heat in flue gas to preheat cold water entering the boiler, capturing more heat from the outside rather than the inside of a room. This way, the condensing boiler captures 10-11% more heat than non-condensing ones, can reach up to 90% efficiency and help you save on bills and reduce carbon dioxide emissions.

New non condensing boilers can reach up to 78% efficiency (which is the percentage of heat that is actually usable), while old ones usually don't go over 55-65%. Moreover, condensing combi boilers are more space-efficient since they don't need a water tank and can be stored in a kitchen cupboard.

## Better for the environment

Condensing boilers significantly reduce carbon emissions: you can save up to 1,200kg of carbon a year by installing one in your home. For this reason, they are eligible for grants under the Green Deal, which can help you cover the installation costs.

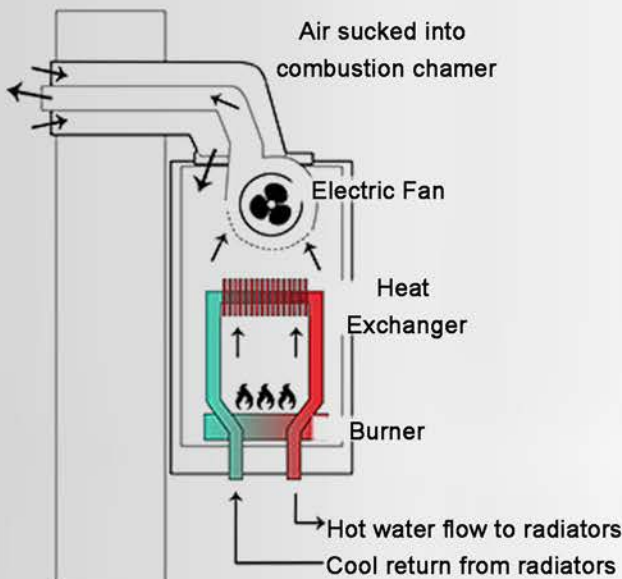
	Condensing	Non - condensing
CE certified	✓	x
Sedbuk rate	A	E
Efficiency	98%	75%
Pump head	Modulating	On/off
Gas consumption	Low	High
Gas valve	Modulating	Not modulating
Condensing heat exchanger for high thermal flue transfer form gas to water	✓	x
Stainless steel plate heat exchanger for domestic hot water	✓	x
Built in frost protection	✓	x
Nox combination boiler	Low	High
Flue gas exhaust temp	Low temp.	High temp.

## Safer for your home

Because condensing boilers are perfectly sealed for heat insulation, and capture air from the outside rather than the room where they're placed, there's basically zero risks of anything being sucked inside. There's also no risk of being in contact with toxic substances because the condensed liquid is disposed of via a pipe connected to the drainage system

## Non - Condensing

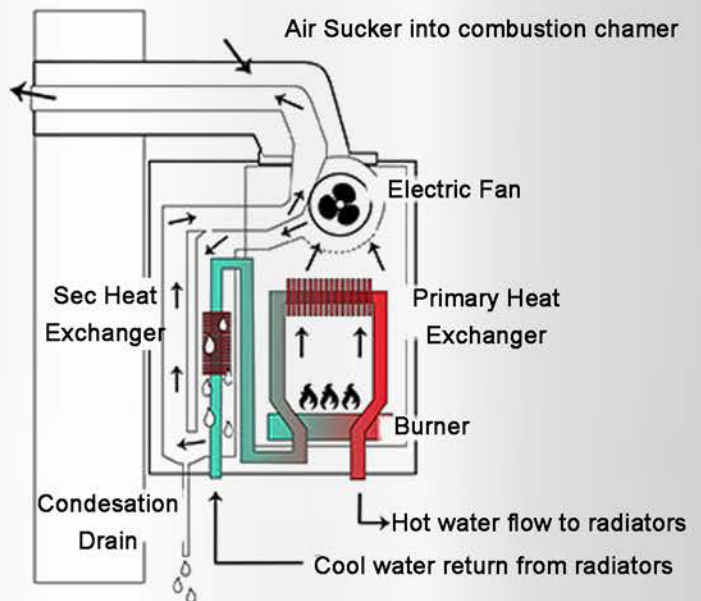
Exhaust gas is very hot and has a characteristic shimmer



Combustion gases pass over exchanger and into flue about 30% of the heat is wasted

## Condensing

Flue - gas is not very hot and has a characteristic plume

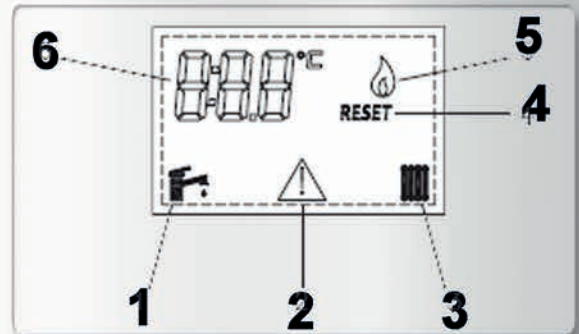


Combustion gases pass over primary heat exchanger and are then directed over secondary heat exchanger as the gases condense on the sides of the exchanger they release their heat

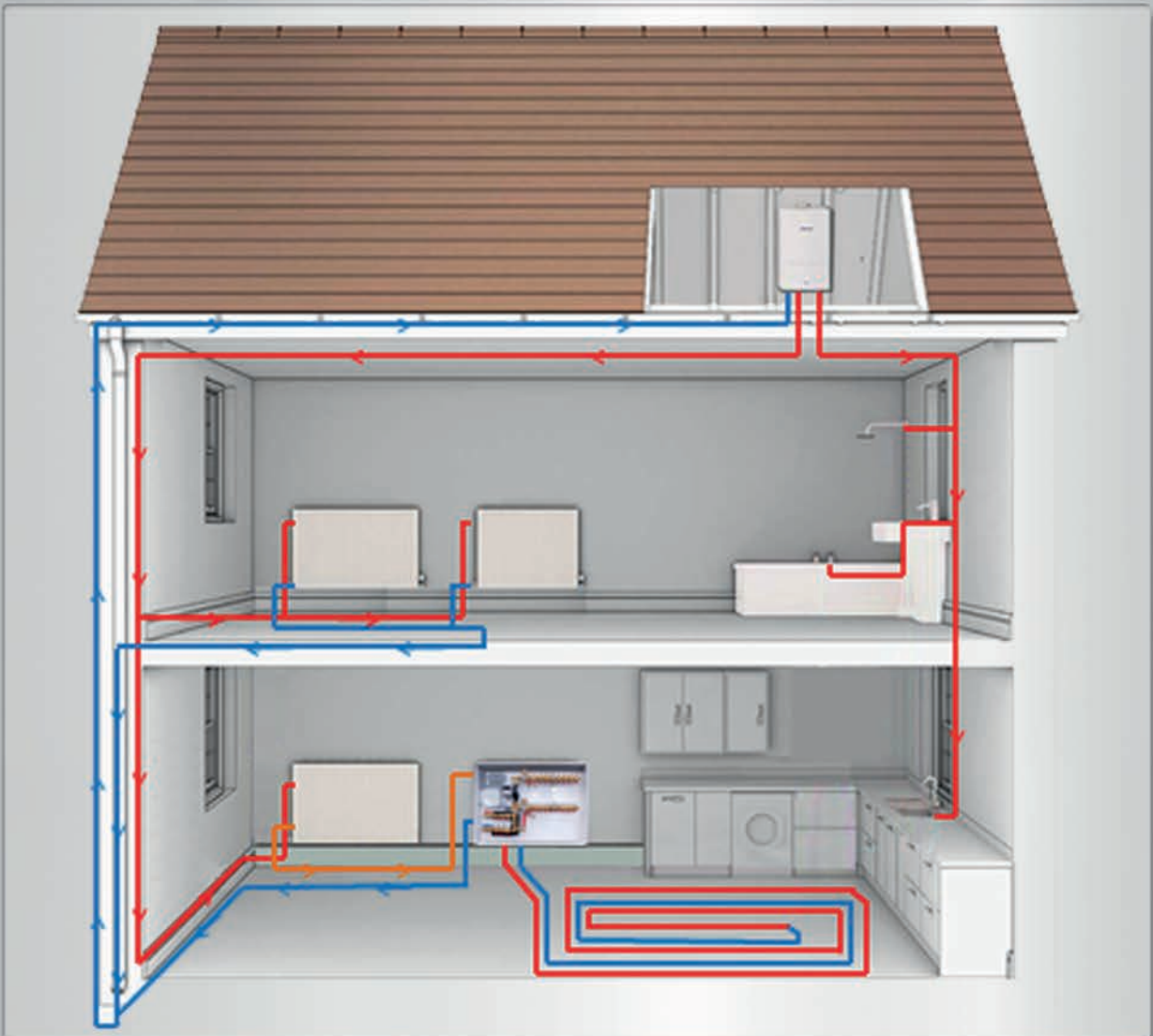
# DIGITAL DISPLAY

## KEY

- 1 - D.H.W. request present / D.H.W. setpoint setting (not used on only heating)
- 2 - Generic error indicator
- 3 - C.H. enabled / C.H. setpoint setting
- 4 - User lockout reset request
- 5 - Flame presence
- 6 - Temperature



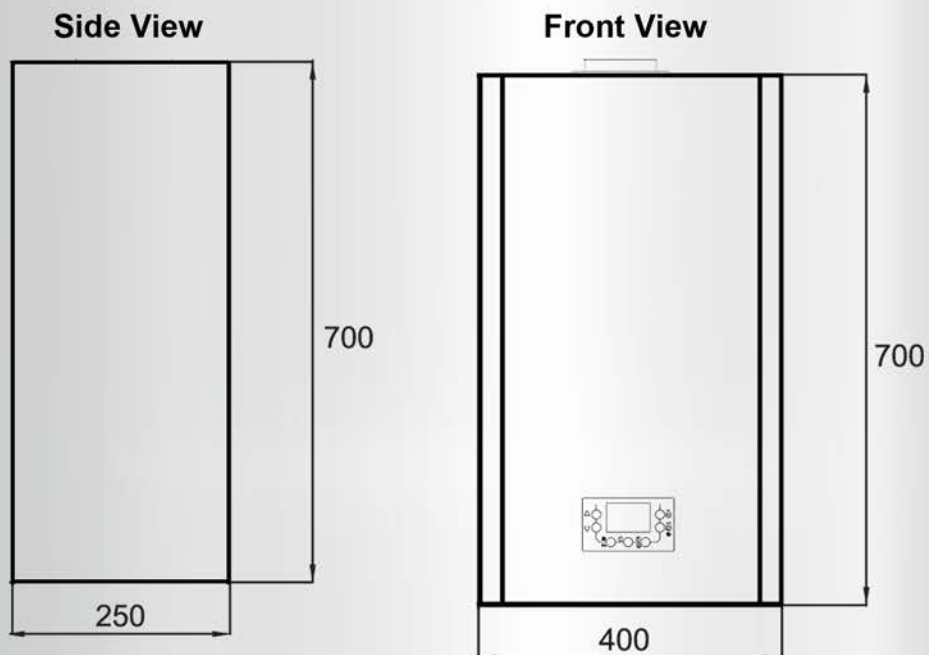
# System Diagram



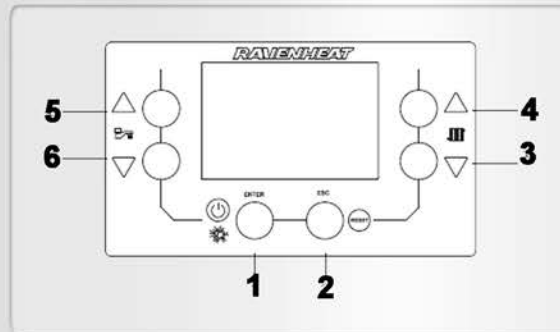


# Boiler Specifications & Dimensions

Boiler Specification	HE 25	HE 40
Central Heating Max/Min Output (Adjustable Modulation)	25- 3.9 kW	40- 4.2kW
Domestic Hot Water Max/Min Output	25 - 3.5 kW	40 - 3.7 kW
Domestic Hot Water		
D.H.W. flow rate 30 °C	11.9 l/min	20.1 l/min
D.H.W. flow rate 35 °C	10.2 l/min	17.3 l/min
D.H.W. flow rate 40 °C	8.9 l/min	15.1 l/min
Expansion Vessel	7L	7L
Maximum Central Heating Temperature	80°C	80°C
Connection		
Gas Supply Connection	3/4"	3/4"
Flow connection C.H.	3/4"	3/4"
Return connection C.H.	3/4"	3/4"
Inlet connection D.H.W.	0.5"	0.5"
Outlet connection D.H.W.	0.5"	0.5"
Flue Connection	100 mm	100 mm
Electrical Main Supply	230V 50HZ	230V 50HZ
NOx Class	5 (24.40mg/kWh)	5 (30.06mg/kWh)



# APPLIANCE STATUS INDICATORS



## KEY:

1 - ON/OFF button.

Press to turn the boiler ON, summer mode (hot water symbol only), winter mode (hot water and radiator symbol), and OFF. Press the button also to confirm selections.

2 - Press to RESET the appliance if ever an error code is displayed or ESC to exit from the boiler menus.

3/4 - Temperature and function mode selectors. Press the arrow up or the arrow down to increase or decrease the central heating set-point temperature. Press also to show the boiler values or to show the options program when the digital display is in INFO or in USER PARAMETERS.

5/6 - Temperature selectors.

Press the arrow up or the arrow down to increase or decrease the heating hot water outlet temperature.

2/6 - INFO: press together 2 and 6 buttons for show the boiler values and use the arrow up and arrow down buttons (3/4) to scroll.

- Flow temperature
- Domestic hot water temperature
- External temperature, if the external problem is present
- % power of modulation.

Press ESC to exit INFO mode.

- USER PARAMETERS (for service people): press the RESET and the arrow down buttons together (buttons 1 and 3).

Press the arrow up and arrow down buttons to show the boiler parameters.

- P001: C.H. max fan speed.

- P002: D.H.W. max fan speed.

- P003: Keep hot "0" disabled and "1" enabled

- P004: C.H. High/Low temperature:

"0" low (max 50°C) / "1" high (max 80°C)

- P005: Climatic curve: default "20" (full instructions are provided with the Outdoor Sensor Kit).

- P006: Enable locking pump "0" disable / "1" enable.

- P007: Test mode: "0" disabled, "1" enable. (the function is enable for maximum 15 minutes). Press ESC to exit Test mode.

- P008: Weather compensator control.

0= Normal remote control.

1= Ravenheat remote control with D.H.W. selection in boiler.

2= Honeywell remote control.

- P009: Ignition power. Is possible to set the soft start power level (% of max boiler power, range 0:99).

- P010: Boiler power selection

- P011: Boiler type

("1" instantaneous - "2" only heating). -

- P012: Gas type

("0" Natural gas - "1" LPG gas).

- P013: Modulating pump type selection

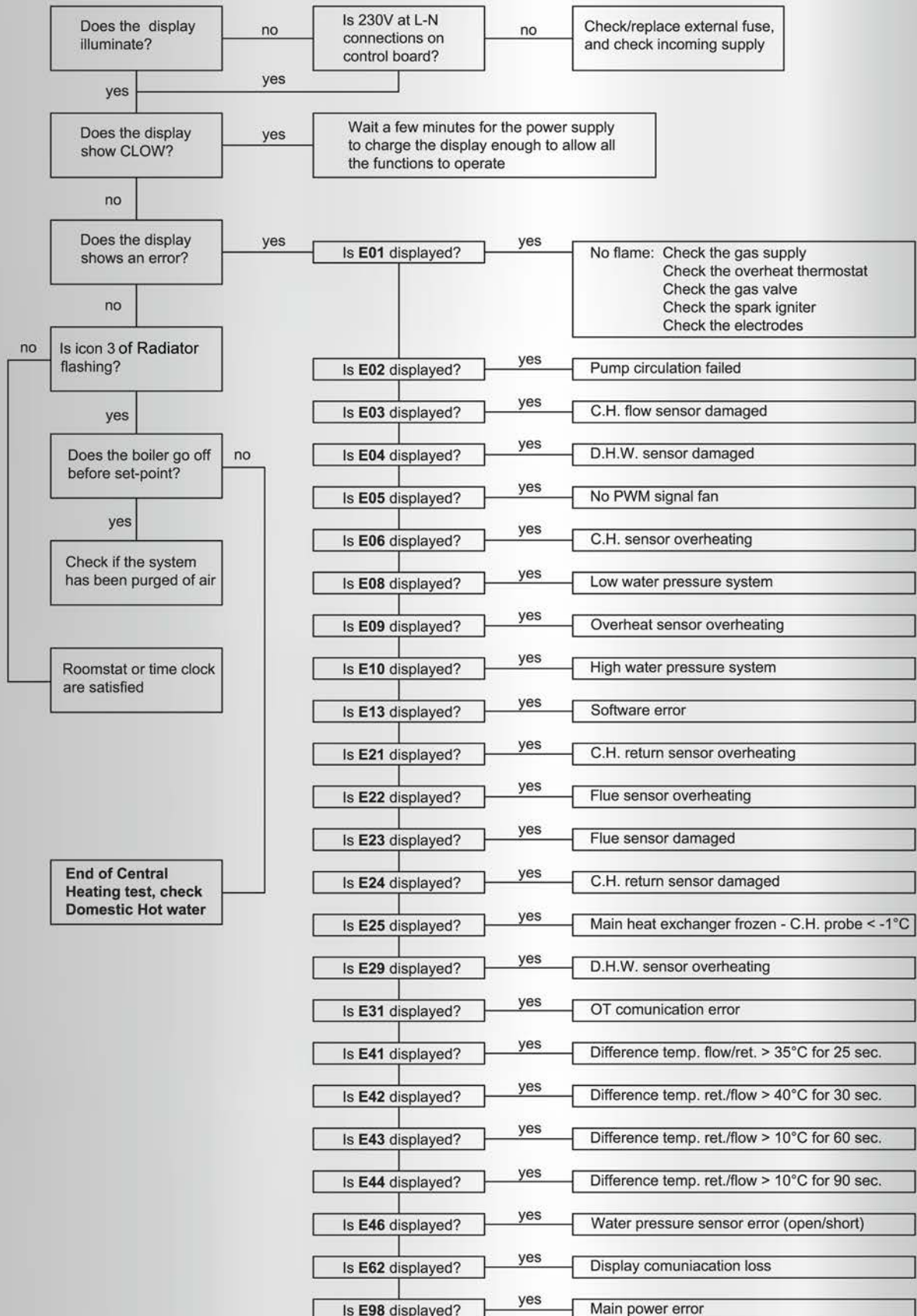
("0" Wilo - "1" Grundfos).

Press ESC to exit USER PARAMETERS mode.

## FAULT FINDING CENTRAL HEATING

Before trying to operate the boiler make sure that: all gas supply cocks are open and the gas supply has been purged of air. The heating system pressure is at least 1 bar min to 1.5 bar max, select winter position on the digital display and set the central heating temperature to maximum.

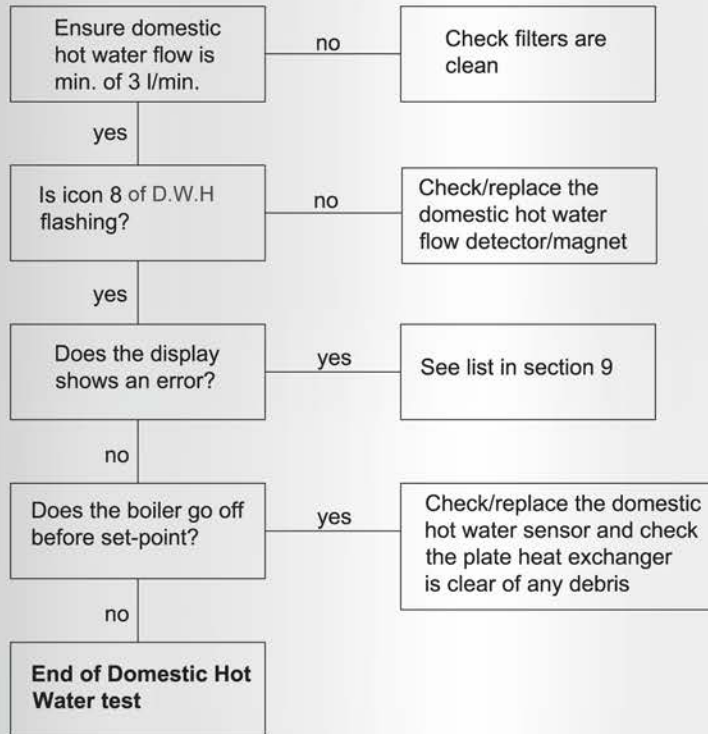
Ensure external controls are calling for heat (room thermostat/ digital clock) and check the following appliance operations:



## FAULT FINDING DOMESTIC HOT WATER

After selecting the summer position on the digital display and setting the domestic hot water temperature to maximum.

Open the domestic hot tap and check the following appliance operations:



# Warranty

Client Name : .....

Address / location: .....

Date Of Startup : .....

Model No.: .....

Serial No.: .....

Stamp :

# HeatCo<sup>®</sup>

I n t e r n a t i o n a l

## **RAVENHEAT<sup>®</sup>**



14 M. Zaky Mounir St. Makram Ebaid ,  
Nasr City , Cairo.

Tel.: (+202) 23497375 / 23496179

Fax: (+202) 22729935 / 22729937

Mob.: 0100 6109735

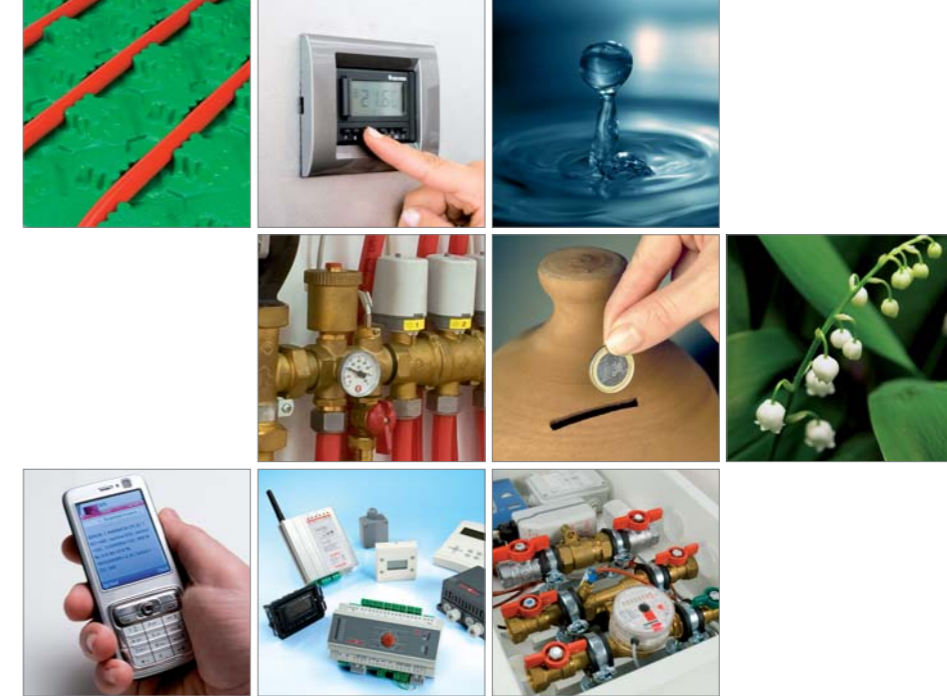
[www.heatcointernational.com](http://www.heatcointernational.com)

[sales@heatcointernational.com](mailto:sales@heatcointernational.com)



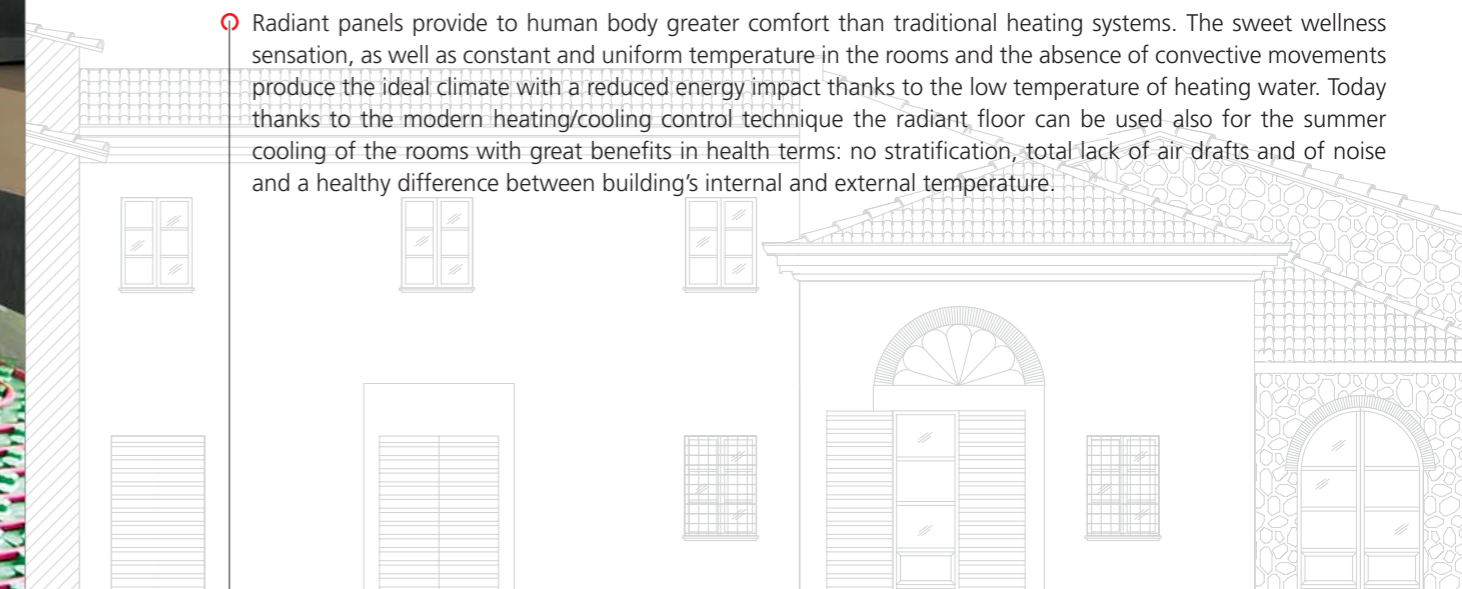
**HEATING  
AND COOLING  
UNDERFLOOR SYSTEM**

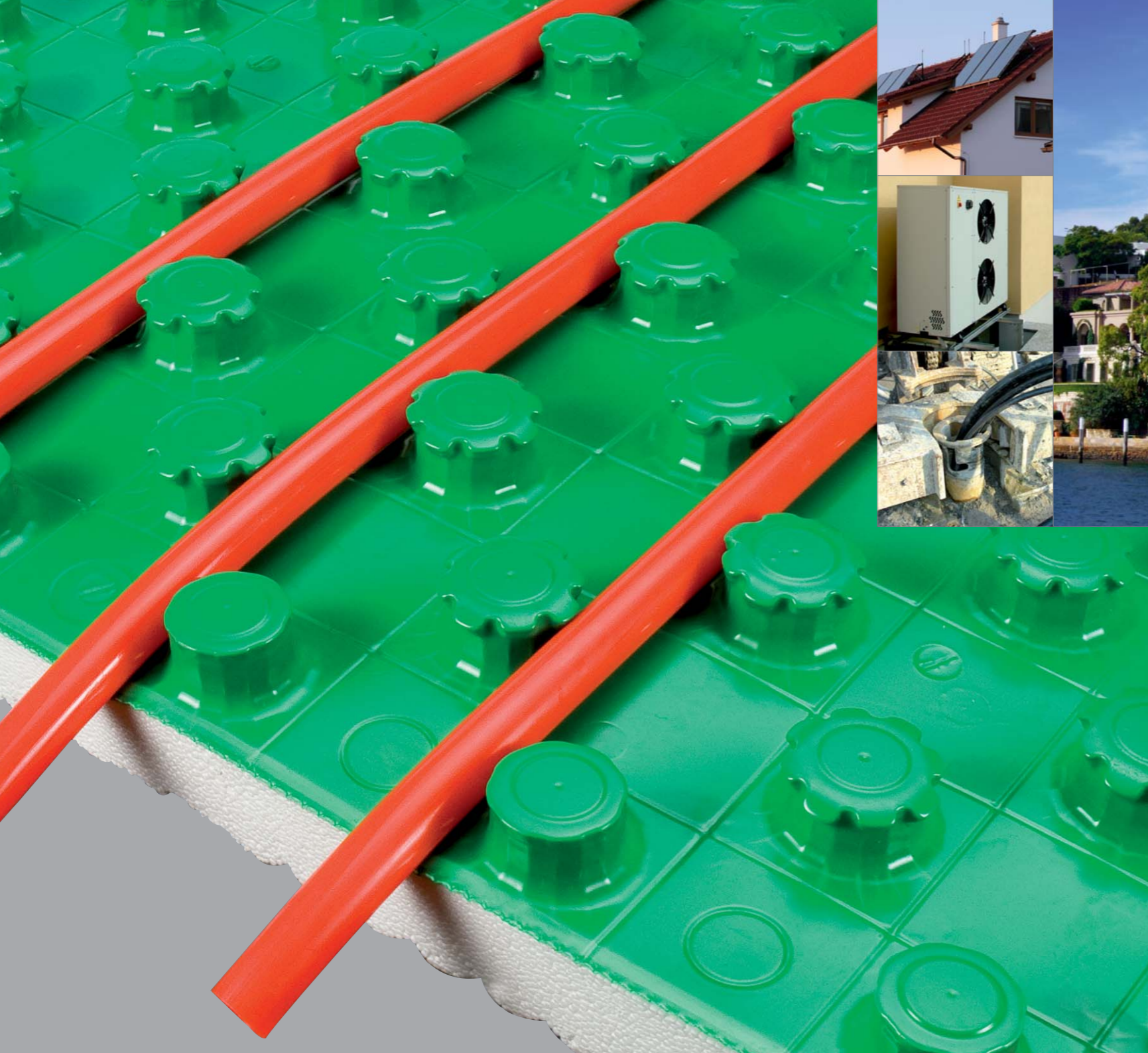
**GIACOMINI**   
Technology in Comfort



## HEATING IN WINTER COOLING IN SUMMER WITH A SINGLE SYSTEM

○ Radiant panels provide to human body greater comfort than traditional heating systems. The sweet wellness sensation, as well as constant and uniform temperature in the rooms and the absence of convective movements produce the ideal climate with a reduced energy impact thanks to the low temperature of heating water. Today thanks to the modern heating/cooling control technique the radiant floor can be used also for the summer cooling of the rooms with great benefits in health terms: no stratification, total lack of air drafts and of noise and a healthy difference between building's internal and external temperature.





### TOWARDS SUSTAINABLE CHOICES

Reaching the Kyoto Protocol objectives, complying with the constraints of the European Union for 20% consumption of renewable energies by 2020, the obligation of energy certification of the buildings under European Directive 2002/91/CE are all factors that drive towards sustainable choices for systems installation in the buildings. Given that buildings account for 40% of energy consumptions in Europe energy efficiency can and should be improved and saving is the first energy source at our disposal!

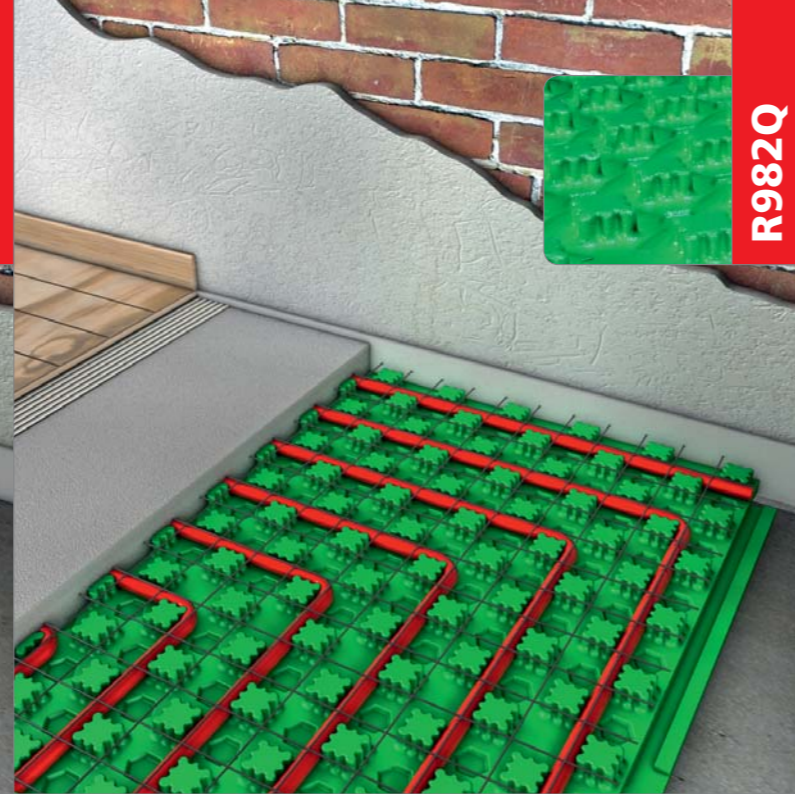
## THANKS TO RADIANT A WORLD OF NEW POSSIBILITIES

○ In such a varying scenario it is necessary to find innovative solutions, more efficient and with a reduced environmental impact. In this respect, the floor system operation is ideal if associated with state of the art highly efficient generators such as condensation boilers. The use of heat pumps is particularly beneficial for the low water temperature to supply to radiant panels; this allows using the costless and inexhaustible heat present in the air, in the water or in the land, reducing to the maximum the use of fossil fuels. During the summer to cool the rooms a geothermal system can be used as well, releasing heat of the basement environment through underground manifolds or depth sensors. The energy captured by solar panels, can be used also to integrate the heating: in this case, too, the prerequisite is to have a radiant panels system installed. In condo buildings using one only radiant system also for summer cooling offers an additional benefit: the chance to use centralised generators for cold, as for boilers in winter, with a huge efficiency recovery with respect to independent solutions.





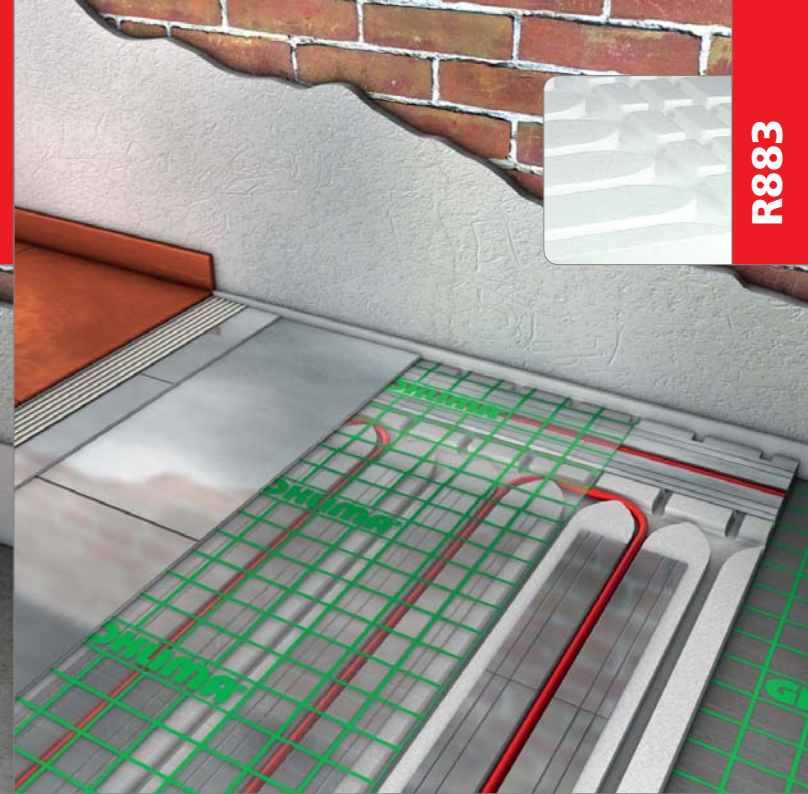
R979



R982Q



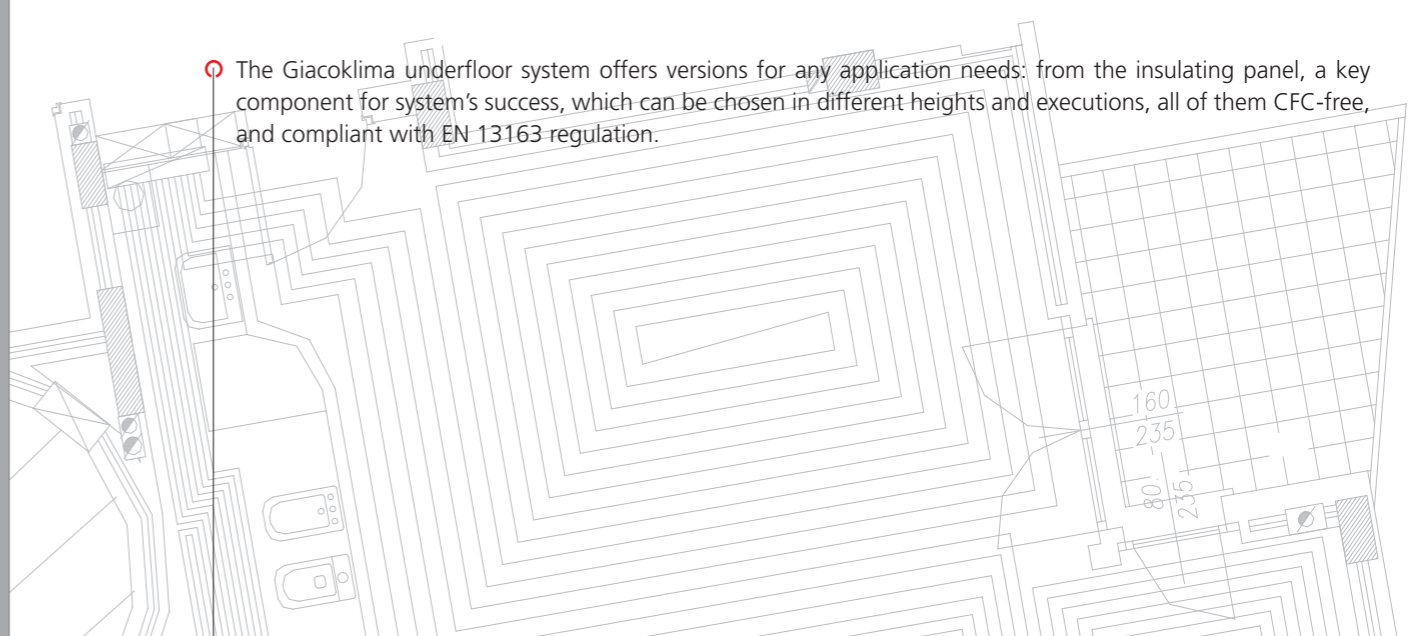
R981



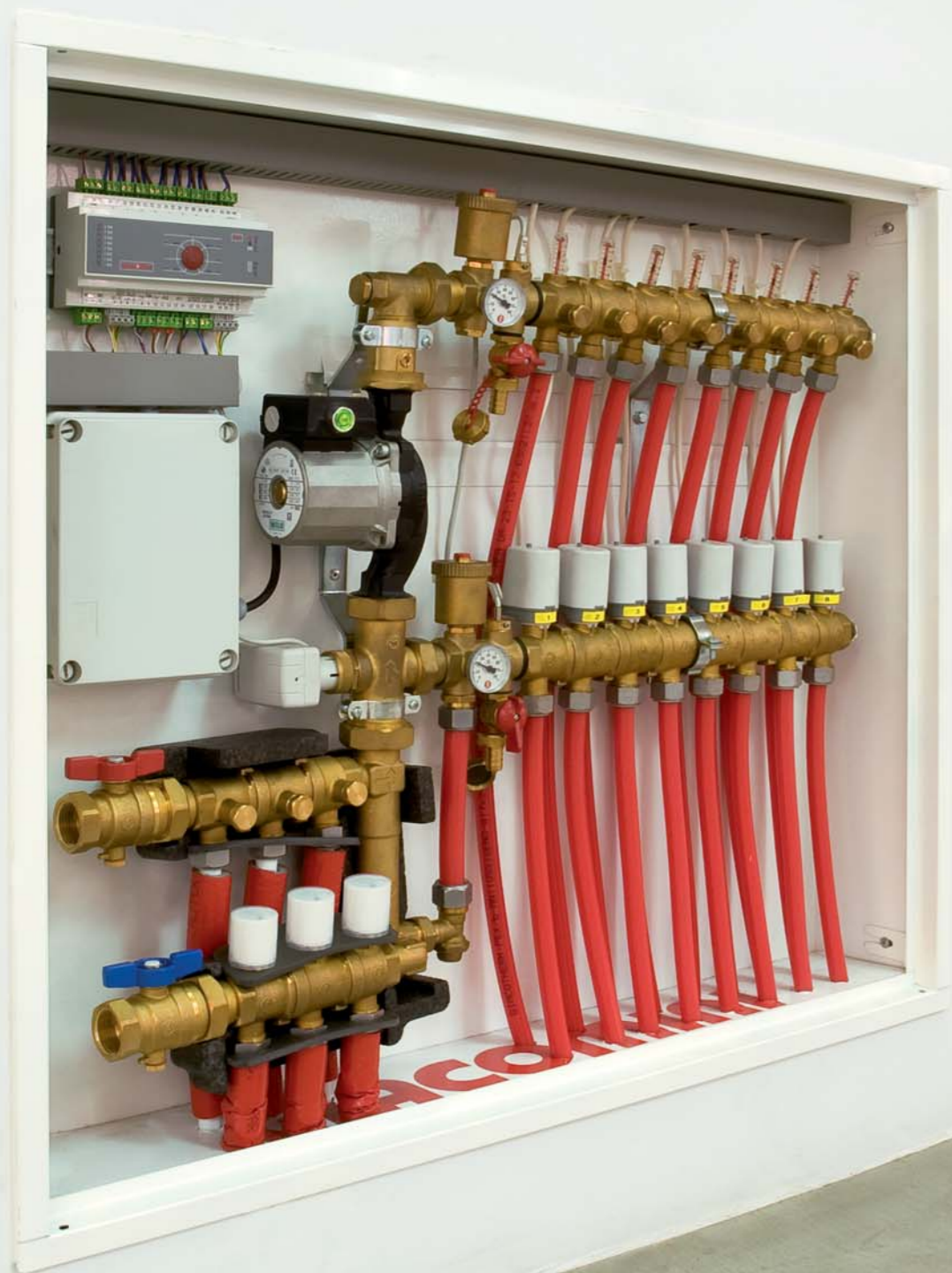
R883

- The **R979** and **R982Q moulded panels** represent the most classical solution to create the insulating layer. The special profile of moulded protuberances allows embedding firmly the pipe during the installation, without the need to use clips. The moulded polystyrene plate is coupled with a coating film that acts as a barrier for vapour and remarkably increases resistance to trampling.
- For large surfaces, such as industrial hangars, churches or sports centres the **R981 smooth panel** associated with clips or the K389W pipe fastening rail are the ideal solution. The rail accepts a large range of pipe diameters and allows installing rapidly and very precisely coils with multiple pitches of 50 or 100 mm. The function of barrier for vapour is executed installing on the smooth panel the **R984 protection sheet**.
- When there are limits of space in height, the use of the **R883 panel for dry installation** brings many benefits; thanks to its minimum overall size and to the specific milling to insert steel thermal diffusers and pipe, it is possible to make the radiant floor with a much reduced height. The system does not require the layer of concrete screed: to guarantee a uniform distribution of the loads the support function is provided by a double layer of zinc-plated steel blanks on which the final coating is directly applied.

## A SYSTEM, MANY VERSIONS



○ The Giacoklima underfloor system offers versions for any application needs: from the insulating panel, a key component for system's success, which can be chosen in different heights and executions, all of them CFC-free, and compliant with EN 13163 regulation.



R553F



R557R



R559



**R553 manifold** represents a simple and versatile solution: a supply manifold, with balancing lockshields equipped with mechanical memory embedded, and a return manifold, equipped with micrometric thermostatic valves are installed on two offset brackets that facilitate the piping connection. These valves allow, not only manual shut-off, but also the assembly of electro thermal actuators usually open (R478) or usually closed (R473). In the R553F version the supply manifold also has practical supply measuring devices.

**R557R manifold** is designed for heating systems with radiant panel with fixed point adjustment; a specific thermostatic supply head, temperature limiter, sets the supply temperature. In the same box it is possible to supply heating bodies with high temperature (as towel dryers, towel racks or radiators). The electronic circulator with variable supply and the safety thermostat are part of the standard equipment; the shut-off thermostatic valves, embedded in the return manifold, can be equipped with electro thermal actuators with end of stroke micro-switch (R478M or R473M) so to pilot automatically circulator switch-on and off.

**R559 manifold** runs assorted sophisticated radiant panel systems where, in addition to the heating function, is required the one of summer cooling. The supply temperature adjustment can be set at a fixed point or with external climatic compensation. A set of units, not mixed, in addition allows supplying heating bodies with high temperature (as towel dryers, towel racks or radiators) or fan coil units for summer cooling integration. Unit's standard equipment includes a circulator, a mixing unit and an adjustment power supply unit: the latter is part of the innovating family of Giacoklima bus technology heating/cooling control. Shut-off thermostatic valves, embedded in the return manifold, can be equipped with electro thermal actuators (R478 or R473).

## OPTIMAL DISTRIBUTION

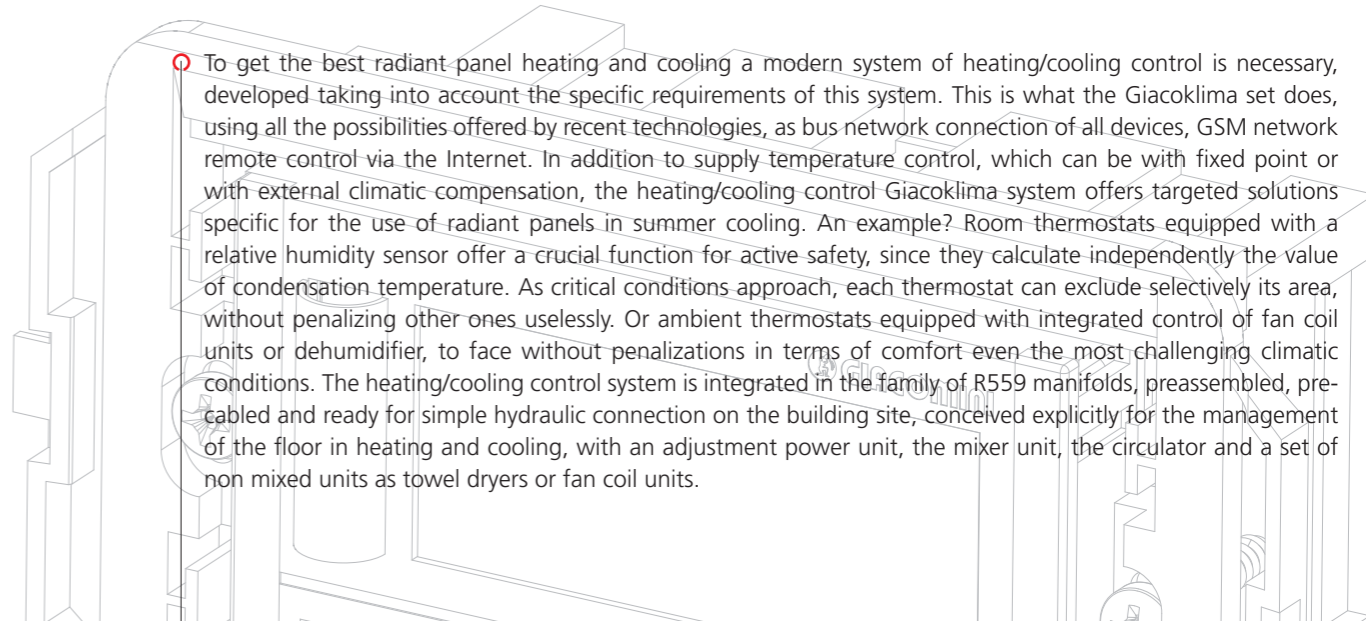
In a radiant panels system distribution manifolds have a basic function: supply water to every single circuit with the necessary supply for its optimal operation. Not all the systems have the same requirements: this is why in the Giacoklima system there is a wide range of options: from single components to build-units according to a wide range of installation situations, to functional manifolds, preassembled and pre-cabled, that offer completeness, simple installation and time saving.





**INDIVIDUAL IS BETTER**  
 To use energy at best central temperature regulation of water delivered to radiant circuits is not enough: in these cases there is a risk of decreased comfort or overheating uselessly some rooms. Different needs come from the individual perception of heat and cold, from the different use of the rooms, their geographical exposure or the costless energy contributions from outside or inside. The individual heating/cooling control provides a rational and convenient solution to this problem that allows having in each room or in each area the most adequate temperature, associating comfort and energy saving.

## STATE OF THE ART HEATING - COOLING CONTROL



To get the best radiant-panel heating and cooling a modern system of heating/cooling control is necessary, developed taking into account the specific requirements of this system. This is what the Giacoklima set does, using all the possibilities offered by recent technologies, as bus network connection of all devices, GSM network remote control via the Internet. In addition to supply temperature control, which can be with fixed point or with external climatic compensation, the heating/cooling control Giacoklima system offers targeted solutions specific for the use of radiant panels in summer cooling. An example? Room thermostats equipped with a relative humidity sensor offer a crucial function for active safety, since they calculate independently the value of condensation temperature. As critical conditions approach, each thermostat can exclude selectively its area, without penalizing other ones uselessly. Or ambient thermostats equipped with integrated control of fan coil units or dehumidifier, to face without penalizations in terms of comfort even the most challenging climatic conditions. The heating/cooling control system is integrated in the family of R559 manifolds, preassembled, pre-cabled and ready for simple hydraulic connection on the building site, conceived explicitly for the management of the floor in heating and cooling, with an adjustment power unit, the mixer unit, the circulator and a set of non mixed units as towel dryers or fan coil units.



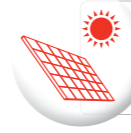
Reduced energy impact thanks to the operation with low temperature water



Single system for winter heating and summer cooling



Ideal associated with highly efficient generator as condensation boilers



Possibility of use of renewable sources such as geothermal and solar



Possibility of summer operation associated with units for the relative humidity slashing down



High comfort with uniform distribution of temperatures in horizontal and vertical, free from air drafts and dust circulation

## THE UNDERFLOOR SYSTEM BENEFITS



No maintenance



Highest freedom in the arrangement of furniture and recovery of useful space thanks to the absence of terminals in the room



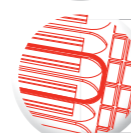
Full bus technology heating/cooling control system



Possibility of remote control via SMS or Internet



Smallest overall size in height in the dry version



Possible integration with radiant walls

Full and integrated system

Easy and fast installation

Wide range of variants for insulating panels, pipes, manifolds, heating/cooling control and fittings

Time and error saving with pre-assembled manifolds

Possible integration with radiant wall

Technical advice and targeted training



## THE BENEFITS FOR THE INSTALLER

 <b>GIACOMINI S.P.A.</b> 28017 S. Maurizio d'Opaglio - NO <b>ITALY</b> +39 0322923111	 <b>GIACOMINI BELGIË SA/NV</b> Route Provinciale 273-277 1301 Bierges (Wavre) <b>BELGIQUE</b> +32 10420650	 <b>GIACOMINI SA</b> Via Linoleum 14 6512 Giubiasco (Ticino) <b>SVIZZERA</b> +41 918501990	 <b>GIACOMINI ESPAÑA SL</b> Carretera de Viladrau, Km. 10 Polígono Industrial Monmany n. 2 - 08553 Seva (Barcelona) <b>ESPAÑA</b> +34 938841001	 <b>GIACOMINI PORTUGAL LDA</b> Rua de Martinhaes, 263 4485-188 Gao (Vila Do Conde) <b>PORTUGAL</b> +35 1229286860	 <b>GIACOMINI SALES (UK) LTD</b> Unit 3, Goodrich Close, Westerleigh Business Park, Yate BS37 5YS <b>UK</b> +44 1454311012	 <b>GIACOMINI LATINO AMERICA</b> Ombu 34 (Ex 2881) Don Torcuato Tigre 1611 Buenos Aires <b>ARGENTINA</b> +54 1147272620
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 <b>GIACOMINI CZECH S.R.O.</b> P.O. Box 18 - Erbenova 15 466 01 Jablonec Nad Nisou <b>CESKÁ REPUBLIC</b> +42 0483736060	 <b>GIACOMINI GMBH</b> Industriestrasse 10 51545 Waldbroel <b>DEUTSCHLAND</b> +49 2291790236	 <b>DOMTECH S.R.O.</b> Dolné Rudiny 1 010 91 Zilina <b>SLOVAK REPUBLIC</b> +42 1417645223	 <b>GIACOMINI SA</b> Rond Point de l'Europe, BP 97 - 77348 Pontault Combault Cedex <b>FRANCE</b> +33 160292035	 <b>GIACOMINI CHINA</b> Room A801, TYG Centre, No.2 Dong San Huan Bei Lu Bing, 100027 Chaoyang District, Beijing, <b>CHINA</b> +86 1084861901 +86 1084862775	 <b>GIACOMINI INDIA</b> G-3, Neel Madhav, Nr. Navneet Hospital, V.P. cross road, Mulund (west), Mumbai, Maharashtra-400080, <b>INDIA</b> +91 22 21676767 +91 22 21676733
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Further information: [www.giacomini.com](http://www.giacomini.com)



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tel 0322 923111 - fax 0322 96256  
info@giacomini.com - www.giacomini.com

**H**eatCo<sup>®</sup>  
I n t e r n a t i o n a l



**Italian Radiators**



# ® GLOBAL

R A D I A T O R I

## Vip 22 ISEO 22



### COMFORT and ENERGY SAVING

Global aluminium radiators allow easy and immediate control of the temperature in each room, saving energy and providing maximum comfort

### WORKING AT LOW TEMPERATURE

Thanks to the high thermal conductivity of aluminium, Global radiators can also be used in installations with condensing boilers and low water temperatures

### ENVIRONMENT

Global is the result of 40 years of experience and technological development; they look good, respond instantly to maintain desired temperature, save energy and they can be completely recycled.



GLOBAL radiators have a ten year guarantee starting from the date of manufacture. This guarantee covers the replacement of those elements that because of manufacturing or material defects are not usable, but only on condition that installation has been executed in compliance with suitable regulations and correct installation.





## ardesia 22



### Material:

Heads moulded in mild steel plate.  
Tubes in mild steel electro-welded  $\varnothing$  25 mm.

### Packing:

The radiator is protected by a recycled film in polyethylene and with a box in recycled carton. User notice included.

### Painting process

Painted with ecological epoxy powders.

### Colours:

Standard white RAL 9010. Other colours surcharge 30%.

### Ardesia®

is one the leading production of Cordivari. This complete range of radiator suitable for all private and communitarian living space expresses the best of Cordivari experience, leader from more than 25 years of the radiators production.



Radiators provided in separate batteries to facilitate transport and installation. Batteries can be joined together (nipping operation) with lock key smaller than 1 mt. Each couple of batteries inclusive of 2 nipples and 2 Cordivari seals. For batteries with more than 83 sections with lateral connection,

# IMAS

## APOLLO<sup>EXTRA</sup> 22-DK



### Manufactured

with the best production technologies to offer efficient convection and radiation, the new production of APOLLO EXTRA panels guarantees maximum yield in perfect comfort. These new panels have high heat radiance which is particularly important for system operating at low temperature. The well-produced design adapts to any furniture solution and the absence of sharp edges ensures perfect safety even very open rooms.

**Painting:** degreasing with hot phosphating. First coat with water – soluble primer and baking at 180°C according to DIN 55900 standard. Second coat with polyester epoxide powders, colour RAL 9010 (ice) baked at 220° C.




### Packing

Every radiator is packed in ondulated cardboard and protected by a sheet of tough thermoretractile polyethylene.



**Main Features** A wide range of models subdivided into five heights and three thicknesses. Better heat emission than any other traditional heatingbody; Prompt working of the heating system. Easy to install even in remaining spaces. Top reliability guaranteed by careful finish and tasting.

## Dimensions cm

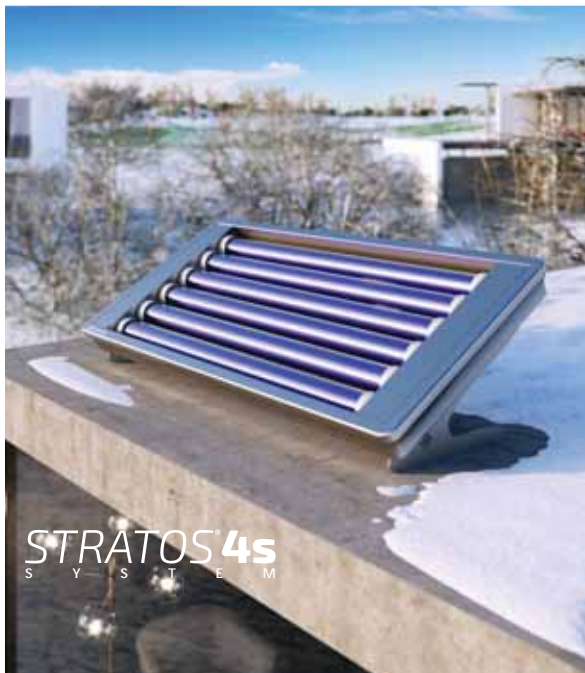
watt.				
	22-DK	IESO 22	Vip 22	Ardesia 22
867	30x60	43x64	44x64	30x64
1094	40x60	43x72	44x72	40x64
1146	50x50	58x56	59x56	50x50
1334	50x60	58x64	59x64	50x64
1603	50x70	58x72	59x72	50x73
1833	50x80	58x80	59x80	50x82
2061	50x90	58x96	59x88	50x92
2219	50x100	58x104	59x104	50x101
1548	60x60	68x64	69x64	60x64
2392	60x90	68x96	69x88	60x92
2658	60x100	68x104	69x104	60x101
2189	60x120	68x120	69x120	60x124
3721	60x140	68x144	69x144	60x142
2733	80x80	79x80	79x80	90x82
3975	80x90	79x96	79x88	90x92
3416	80x100	79x104	79x104	90x101
4100	80x120	79x120	79x120	90x124
5466	80x160	79x160	79x184	90x161

Imas		Global		Cordivari	
30	25	/	/	30	24.4
40	35	44	35	40	34.4
50	45	59	50	50	44.4
60	55	69	60	60	54.4
80	75	79	70	90	84.4



**HeatCo**<sup>®</sup>  
International

14 M. Zaky Mounir St. Makram Ebaid ,Nasr City , Cairo.  
Tel.: (+202) 23497375 / 2349179 Fax: (+202) 22729935 / 22729937  
Mob.: 0100 6109735 [www.heatcointernational.com](http://www.heatcointernational.com)



INTEGRATED SOLAR THERMAL SYSTEMS

CATALOGUE  
2018

# SOLAR THERMAL SYSTEM FOR SANITARY WATER WITH FLAT PLATE COLLECTORS



**THERMOSIPHON CIRCULATION SYSTEMS**

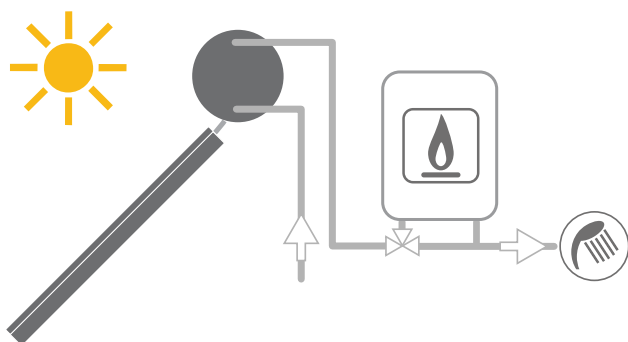


**FORCED CIRCULATION SYSTEMS**



# SOLAR SYSTEM PANAREA

THERMOSIPHON SOLAR SYSTEM FOR DOMESTIC HOT WATER PRODUCTION



## THE ONLY ONE WITH UNIVERSAL FIXING KIT INCLUDED



### APPLICATION

The Solar Thermal System PANAREA is the most practical and economic solution, due to its reliability and because of an easy and quick installation.

### SOLAR COLLECTOR

- Insulation in mineral wool
- Anodized aluminum structure
- Highly selective absorber
- Anti-hail tempered glass
- In compliance with **UNI EN 12975** and **12976** regulations
- DMC Certified

### CALORIFIER

- **INTERKA POLYWARM®** with capacity from 150 to 300 lt
- Mild steel
- Internal coating Polywarm® suitable for drinking water according to the D.M. nr 174 of 06/04/2004 and DHW attestations ACS-SSICA-DVGW-W270-UBA-WRAS
- Connections for electrical heater integration
- Double walled heat exchanger
- High thermal insulation with ecological polyurethane hard foam and grey PVC external lining, upper top and flange cover in ABS.
- **PATENTED UNIVERSAL** fixing kit for flat

and pitched roof rapid mounting galvanized according to UNI EN 1179 (99,9 % PURE ZINC)

### ACCESSORIES

See accessories section

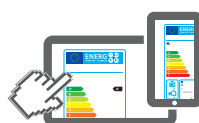
### WARRANTY

5 years  
See general sales and warranty conditions

### ACCESSORIES ON REQUEST



Electrical integration kit



[www.cordivari.com/erp](http://www.cordivari.com/erp)

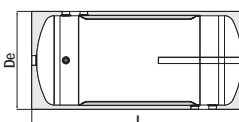
ON LINE Erp LABEL TOOL

For more information see accessories section.

ASK ALWAYS FOR CERTIFIED LABORATORIES DATA RESULTS

**CORDIVARI Lab**

TÜV Rheinland Energie und Umwelt GmbH states that test procedures and Cordivari LAB are certified conforming to European standard EN 15332, as indicated by EArt. Nr.sign ErP Directive.



### SYSTEM COMPONENTS

SYSTEM COMPONENTS	INCLUDED
Highly selective solar collector	✓
INTERKA POLYWARM® Calorifier	✓
Magnesium Anode	✓
Security valve and check valve	✓
Non-toxic heat transfer fluid	✓
Fittings	✓
Universal fixing kit for flat and pitched roofs	✓

### INTERKA POLYWARM®

ENERGY EFFICIENCY CLASS

MODEL	[mm]		ENERGY EFFICIENCY CLASS
	L	De	
<b>150</b>	1040	550	<b>C</b>
<b>200</b>	1300	550	<b>C</b>
<b>300</b>	1839	550	<b>C</b>





For more information and technical data of the calorifiers and buffer tanks please refer to the Cordivari Calorifiers and buffer tanks catalogue.

# SOLAR SYSTEM PANAREA

THERMOSIPHON SOLAR SYSTEM FOR DOMESTIC HOT WATER PRODUCTION



Calorifier model	150	200	300
Nr. Of collectors	1 x 2 m <sup>2</sup>	1 x 2 m <sup>2</sup>	2 x 2 m <sup>2</sup>
Total surface area m <sup>2</sup>	2	2	4
Calorifier type	INTERKA POLYWARM®		
Nr. Recommended users	1-3	3-4 <sup>(*)</sup>	5-6 <sup>(*)</sup>
 Model description	150/2	200/2	300/4
 ART. NR.	3410316603155	3410316603156	3410316603158

STRATOS®

SYSTEMS WITH FLAT COLLECTORS

SYSTEMS WITH SOLAR VACUUM TUBE COLLECTOR

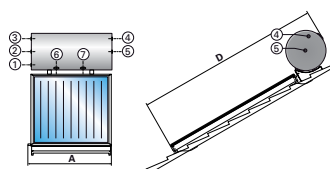
COLLECTORS AND ACCESSORIES

TECHNICAL SUPPORT

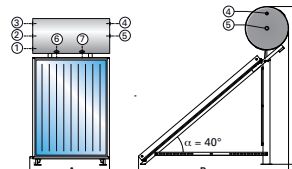
<sup>(\*)</sup> Systems designed for use in areas with high annual sun irradiation more than 1600 kw/h m<sup>2</sup>

## MEASURES OF COLLECTORS

### PITCH ROOF SYSTEMS



### FLAT ROOF SYSTEMS



Solar collector surface [m <sup>2</sup> ]	2	2	4	4	5	6
Solar calorifier capacity [lt]	150	200	200	300	300	300
Angle $\alpha$	Fixed angle of 40°					
Width A [m]	1,1	1,1	2,2	2,2	2,6	3,2
Lenght B [m]	1,91	1,91	1,91	1,91	1,91	1,91
Height H [m]	2,03	2,03	2,03	2,03	2,03	2,03
Dimensions on the roof D [m]	2,75	2,75	2,75	2,75	2,75	2,75

## ADVANTAGES OF UNIVERSAL FIXING KIT



Thanks to universal fixing kit of Panarea systems of Cordivari, you can optimize the logistic and the space in your warehouse and offer a better customer service.





FOLLOW US



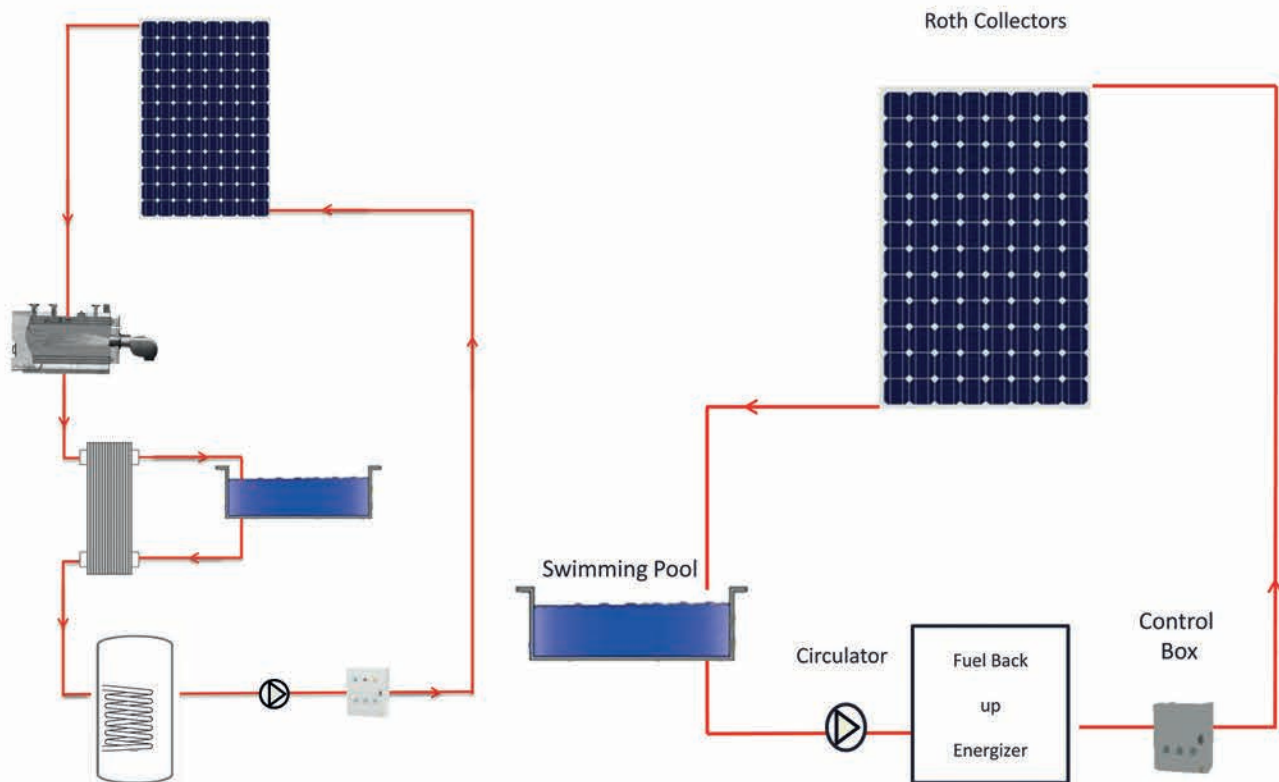
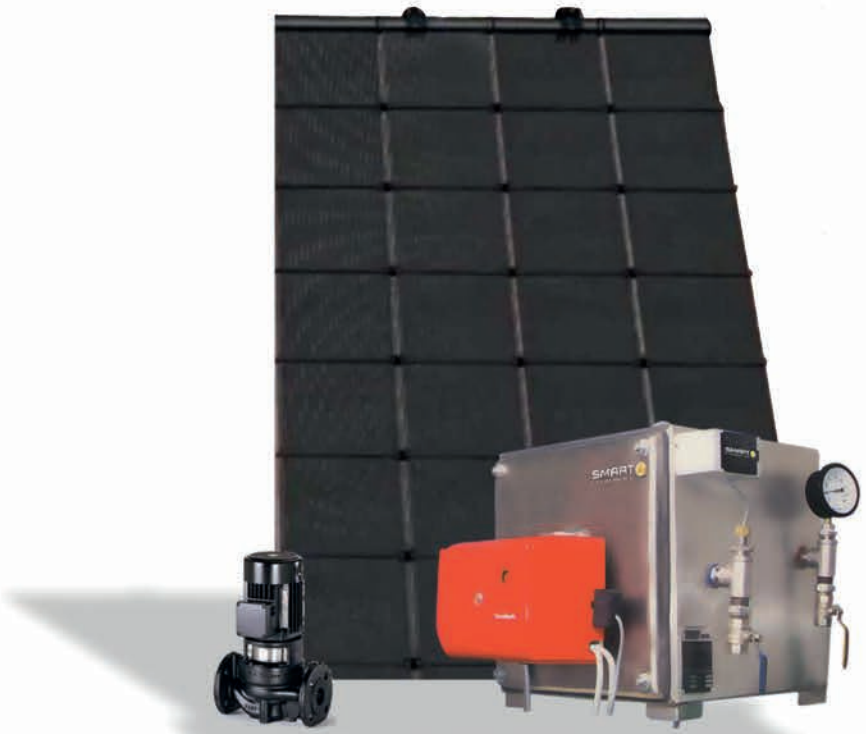
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**Solar Energy For Swimming Pool Heating NEW**



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The German Heliopool Special for swimming pool heating

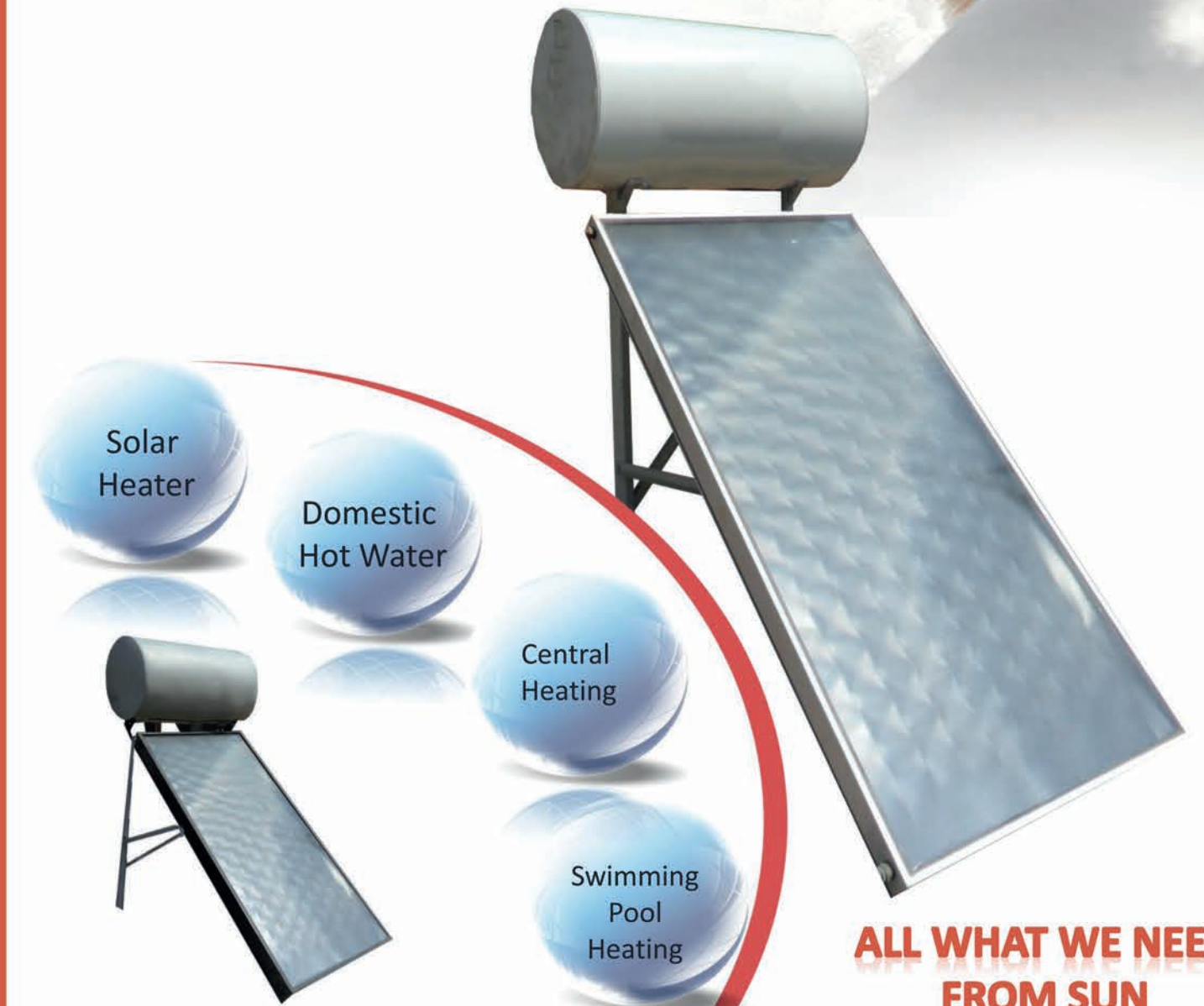
Image 01222 72 72 55

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Solar Water Heaters



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FROM SUN**



# Solar Water Heaters

## St200



Stainless Steel Absorption Plate

## Cu200



Copper Tube Absorber



All Tanks Material are available with Rock wool Insulation & various Cladding material

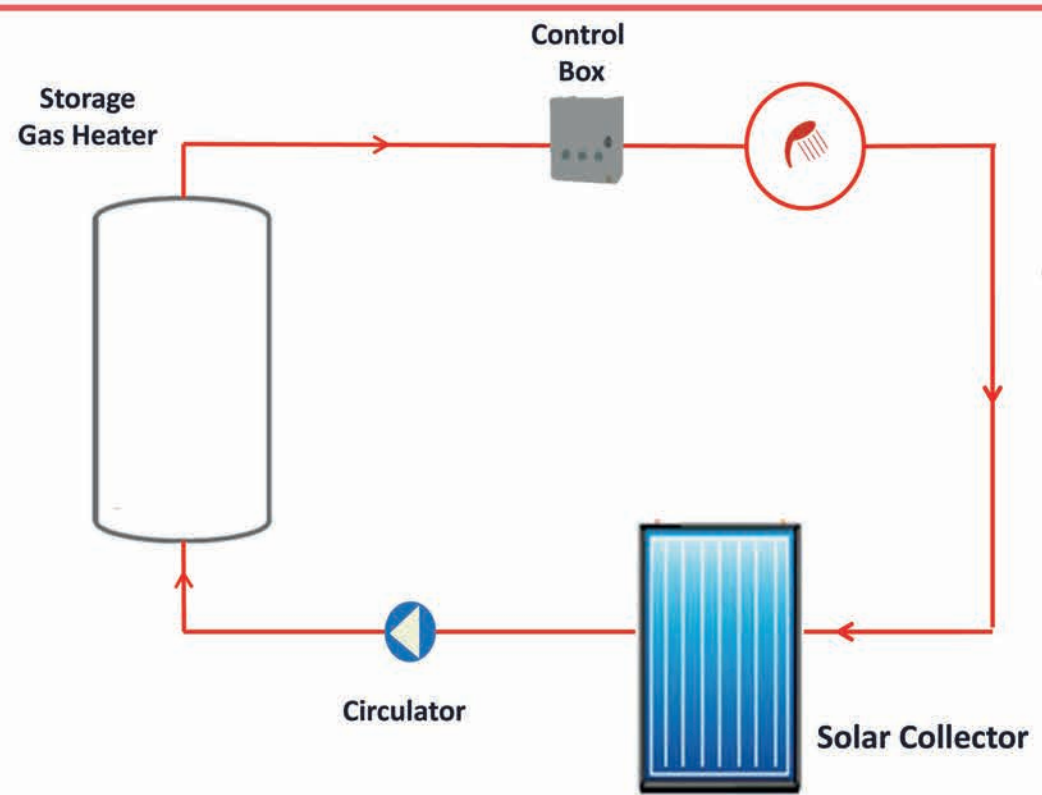
Ask For Technical Data Sheet



# Combi\_D.H.W System

Solar Panel + Gas Heater + Circulating Pump

Uses : Domestic Hot Water from Solar Energy with storage reservoir  
And Natural Gas/LPG Backup



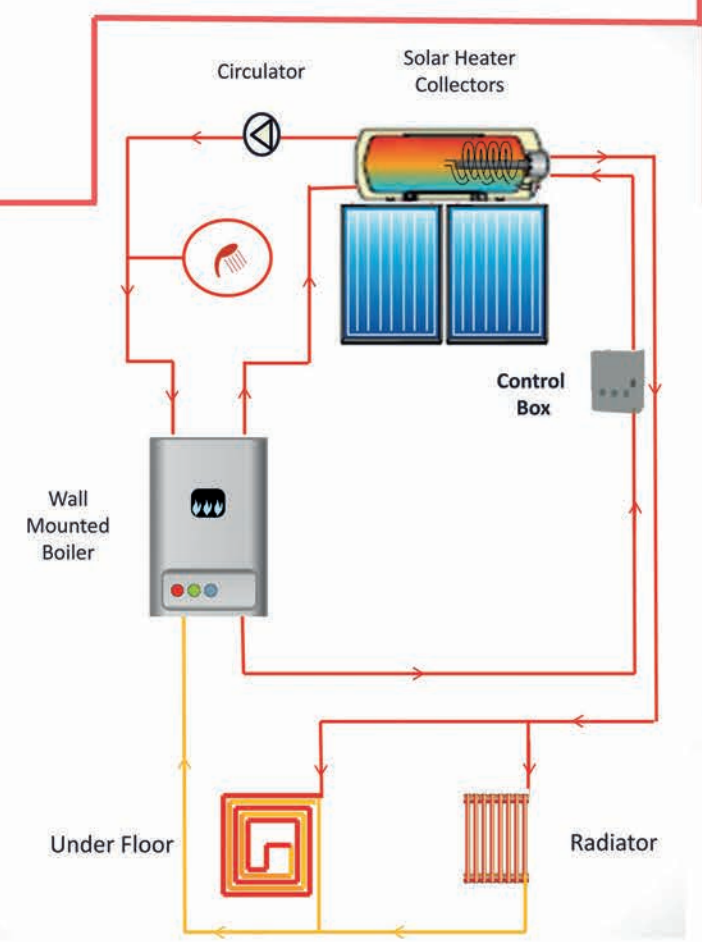
Ask For Technical Data Sheet



# Combi Plus\_DHW and Central Heating

2 x Solar Panels + Wall Mounted Boiler + Circulating pump

Uses : Domestic Hot Water & Central Heating from Solar Energy with storage reservoir  
And Natural Gas/LPG Backup



Ask For Technical Data Sheet



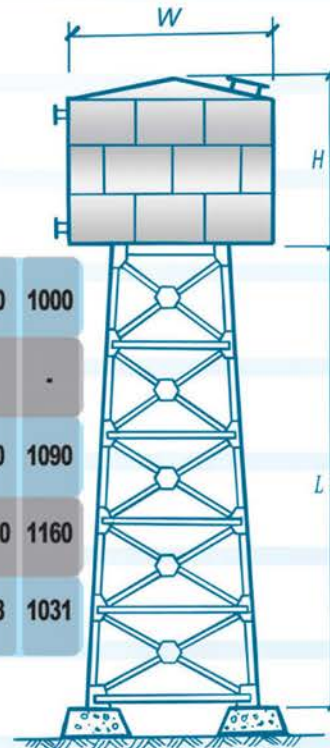
# TANKS

## HEATCO TANKS MODELS : DT , ST , HT and PV



### HIGH STORAGE TANK

HT	Type (HT)	30	45	50	70	100	125	175	225	300	350	400	500	600	700	800	900	1000
	Height Tower (L) M	36	36	30	30	24	24	24	12	12	12	12	6	6	6	6	-	-
	Height Tank(H) Cm	350	450	350	450	450	550	565	475	575	675	775	590	690	790	890	990	1090
	Width (W) Cm	395	395	485	485	585	585	680	880	880	880	880	1160	1160	1160	1160	1160	1160
	Capacity m <sup>3</sup>	34	45	53	70	102	128	175	232	290	348	406	515	619	722	825	928	1031

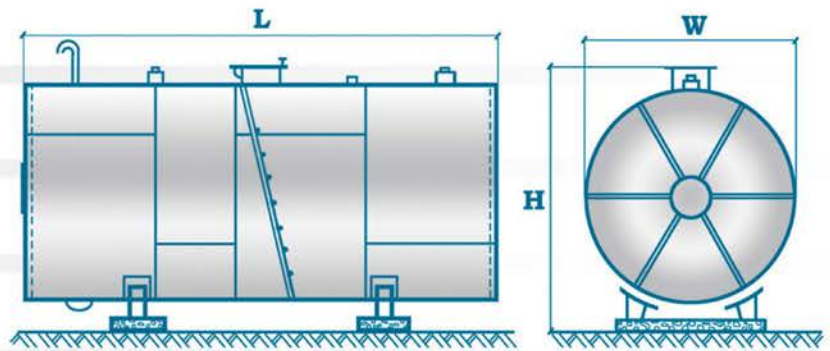


HT is a storage tank with high capacity and horizontal configuration, material could be made of carbon steel and stainless steel manufactured on site for floor mounting with steel and concrete towers, heights up to 36 meters for storage capacities up to 1000 ton and more.

**PV is a pressure vessel tank (tailor made) For all above mentioned capacities bar with working pressure up to 50 bar.**

*-All UT and RT tests are available upon request for quality assurance.*

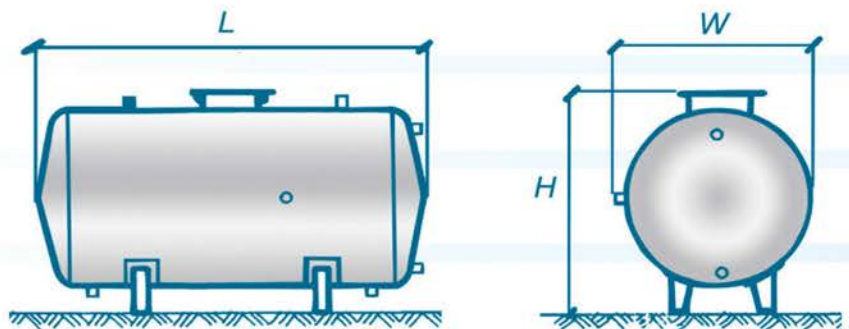
## MONTHLY TANKS



ST	Type (ST)	5	6	7	8	10	11	14	17	20	25	30	40	45	50	60	70	80	90	100
	Tank Height (H) Cm	195	195	195	195	225	225	225	225	290	290	290	335	335	335	335	425	425	425	425
	Tank Length (L) Cm	250	300	350	400	350	400	500	600	400	500	600	500	600	700	800	600	700	800	900
	Width (W) Cm	159	159	159	159	191	191	191	191	254	254	254	318	318	318	318	382	382	382	382
	Capacity Lt	5000	6000	7000	8000	10000	11000	14000	17000	20000	25000	30000	40000	45000	50000	60000	70000	80000	90000	100000

ST is a monthly tank with medium and high capacities and horizontal configuration, or other kinds of material upon request, ST tank used for fuel stations, water reservoir, dairy industries with under soil special resistance coating as well as floor mounted with control equipment devices for automatic and manual operation.

## DAILY TANK



DT	Type (DT)	30	50	75	100	150	200	200	300	400	375	450	500
	Height (H) Cm	85	85	120	120	120	120	120	155	155	155	155	155
	Length (L) Cm	100	150	100	150	200	150	300	250	300	325	350	400
	Width (W) Cm	63	63	95	95	95	127	95	127	127	127	127	127
	Capacity Lt	300	500	750	1000	1500	2000	2000	3000	3750	4000	4500	5000

DT is a daily tank with low and medium capacity and horizontal configuration, material could be made of carbon steel with special linings, stainless steel 304,304L, 316, 316L, galvanized steel or other kinds of material upon request, DT tank used for fuel, water, condensate, dairy industries and also so many other uses DT could be insulated for liquid with over and under ambient temperature .

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STEAM & HOT WATER SYSTEM  
& CENTRAL HEATING

# HEATCO

## Reference List





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# HOTELS

(More Than 130 Hotels Since Year 2000)

**Electromechanical Works**

**Plumbing**

**HVAC**

**Fire Fighting**

**Electric Works**

**Steam Stations**

**Hot Water Station**



	Project	Location	Year	Works
1	Sea Beach	Sharm El Sheikh	2021	Storage Heat Exchanger
2	Sheraton Montazah	Alexandria	2021	Steam Piping Network
3	El Salam Towers	Alexandria	2021	Hot Water Boiler
4	Domina Coral Bay	Sharm El Sheikh	2021	Steam Boiler
5	Sheraton Montazah Hotel	Alexandria	2021	Steam Network
6	El Salam Towers	Alexandria	2021	Hot Water Boiler
7	Cleopatra Luxury Resort Makadi Bay	Hurghada	2020	Burners
8	Sharming Inn	Sharm El Sheikh	2019	Hot Water Boiler
9	Baron Resort Sharm El Sheikh	Sharm El Sheikh	2019	Hot Water Boiler
10	Sataya Hotel Marsa Alam	Marsa Alam	2019	Hot Water Boiler & Steam Boiler
11	Le Méridien Dahab Resort	Dahab	2019	Storage Heat Exchanger
12	Grand Seas Resort Hostmark	Hurghada	2019	Hot Water Boiler
13	Porto Port Said	Port Said	2019	Hot Water Boiler
14	Pyramids Cairo	Cairo	2019	Hot Water Boiler
15	Nile Plaza	Luxor	2019	Hot Water Boiler
16	Rixos Aqua Park	Sharm El Sheikh	2017	Hot Water Boiler
17	Alf Leila We Leila	Sharm El Sheikh	2017	Hot Water Boiler
18	Aroma Hotel	Sokhna	2017	Hot Water Boiler
19	Domina Hotel	Sharm El Sheikh	2017	Hot Water Boiler
20	Cleopatra Hotel	Marsa Matrouh	2017	Hot Water Boiler
21	Sunrise Marina Resort	Port Ghalib	2016	Hot Water Boiler
22	Rixos Sharm El Sheikh	Sharm El Sheikh	2015	Hot Water Boiler
23	Rixos Seagate	Sharm El Sheikh	2015	Hot Water Boiler
24	Royal Albatros Moderna Resort	Sharm El Sheikh	2015	Hot Water Boiler
25	Rihana Resort	Sharm El Sheikh	2015	Hot Water Boiler
26	Sea Beach	Marsa Alam	2015	
27	Sharm Holiday Resort	Sharm El Sheikh	2015	
28	Aqua Fun	Hurghada	2015	
29	Sea Beach RESORT (1)	Sharm El Sheikh	2015	
30	Lyly Hotel	Hurghada	2014	
31	Sun Rise (Maxim Inn)	Sharm El Sheikh	2014	



32	Neama Bay HOTEL	Sharm El Sheikh	2014	
33	Rihana Royal	Sharm El Sheikh	2013	
34	Hilton Scandic	Cairo	2013	
35	Hilton Sharks Bay	Sharm El Sheikh	2013	
36	Minamark Beach Resort	Hurghada	2013	
37	Royal Maxim Kempinski	Cairo	2012	Hot Water Boiler
38	Movenpick Ghazala	North Coast	2012	
39	Diving Center	Sharm El Sheikh	2012	
40	3-Pyramids	Giza	2012	
41	Hilton Water Falls	Sharm El Sheikh	2011	
42	Holiday Sharm (1)	Sharm El Sheikh	2011	
43	Holiday Sharm (2)	Sharm El Sheikh	2011	
44	Dana Beach (1)	Hurghada	2011	
45	Dana Beach(2)	Hurghada	2011	
46	Intercontinental Hotel	Hurghada	2010	
47	Movenpick Mediacity	6 <sup>th</sup> October	2010	
48	Le Baron	Marsa Alam	2010	
49	Cataract	Marsa Alam	2010	
50	Alaa El Din Beach	Hurghada	2010	
51	Isadora	Nile Cruise	2010	
52	Sharm El Naqa	Safaga	2010	
53	Sea Beach RESORT(2)	Sharm El Sheikh	2010	
54	Prima Life Makady	Hurghada	2010	
55	Luxor Hotel	Luxor	2010	
56	Hotel Jasmine	Giza	2010	
57	Dream Land	October	2010	
58	Cosmopolitan Hotel	Cairo	2010	
59	Palma Resort	Hurghada	2010	
60	Hostmark	Hurghada	2010	
61	Alaa El Din Hotel	Hurghada	2010	
62	Golden Five	Hurghada	2010	
63	Akasya	EL Kasir	2010	
64	Dana Beach	Hurghada	2010	
65	Rihana Resort	Sharm El Sheikh	2010	



66	Jasmmen	Hurghada	2010	
67	Orkida	Safaga	2010	
68	City Sharm	Sharm El Sheikh	2010	
69	Radisson Blue	Cairo	2010	
70	Moviel Gazala	El Alamen	2010	
71	Intercontinental Hotel	Sharm El Sheikh	2009	
72	Iberotel - Kamaria	Marsa Alam	2009	
73	Iberotel Dahabya	Dahab	2009	
74	Holiday Taba	Taba	2009	
75	Host Mark – El Foroseya	Hurghada	2009	
76	Swiss Hotel – El Salam	Sharm El Sheikh	2009	
77	Neama Bay Hotel	Sharm El Sheikh	2009	
78	Marriott Hotel	Sahl Hashish	2009	
79	Oriental Hotel	Sharm El Sheikh	2009	
80	Rehana (2)	Sharm El Sheikh	2009	
81	Aqua Park	Sharm El Sheikh	2009	
82	Prima Life	Sharm El Sheikh	2009	
83	Park Inn (2)	Sharm El Sheikh	2009	
84	Serenity Hotel	Hurghada	2009	
85	Royal Rojana Hotel	Sharm El Sheikh	2009	
86	Bella Elarosa	Hurghada	2009	
87	A Maksiko	Sharm El Sheikh	2009	
88	Oriental	Sharm El Sheikh	2009	
89	Royal Grand	Sharm El Sheikh	2009	
90	Rihana Royal	Sharm El Sheikh	2009	
91	Azor Club	Sharm El Sheikh	2009	
92	Ferona Land	Marsa Alam	2009	
93	Shertoon Hotel	Cairo	2009	
94	Sunrise Island View	Sharm El Sheikh	2009	
95	Radisson Sas – Resort	El Kisser	2007	
96	Sharm Inn	Sharm El Sheikh	2007	
97	Park In	Sharm El Sheikh	2007	
98	Radisson Blue	Cairo	2006	
99	Iberotel Solaya	Marsa Alam	2006	



100	Gardenia Plaza Sharm	Sharm El Sheikh	2006	
101	Aqua Park	Sharm El Sheikh	2006	
102	Iberotel Saraya Suites	Hurghada	2005	
103	Sun Rise (Maxim Plaza)	Sharm El Sheikh	2005	
104	Leroix	Hurghada	2005	
105	Makady Star (SPA)	Hurghada	2005	
106	Resort	Sharm El Sheikh	2005	
107	Carols Makadi	Hurghada	2005	
108	Azur Club	Sharm El Sheikh	2005	
109	Park Inn (1)	Sharm El Sheikh	2005	
110	Sun Beach (1)	Sharm El Sheikh	2005	
111	Orchidia Beach	Safaga	2005	
112	Sharm Cliff Hotel	Sharm El Sheikh	2005	
113	City Sharm Hotel	Sharm El Sheikh	2005	
114	3 Corners	Sharm El Sheikh	2005	
115	Helnan	Port Said	2005	
116	Old Palace Resort	Sahl Hashish	2005	
117	Aizdward	Luxor	2005	
118	Tropicana Sea Beach	Sharm El Sheikh	2005	
119	Serenity	Hurghada	2005	
120	Palma Resort	Hurghada	2005	
121	Bela	Hurghada	2005	
122	Holiday Sharm	Sharm El Sheikh	2005	
123	Sunrise Grand View	Sharm El Sheikh	2005	
124	Sharm Holiday Hotel	Sharm El Sheikh	2004	
125	Diver Lounge	Safaga	2004	
126	Verona Land	Marsa Allam	2004	
127	Sharm Life	Sharm El Sheikh	2004	
128	Alexander Hotel	Sahl Hashish	2004	
129	Naama Bay	Sharm El Sheikh	2004	
130	Waves	Hurghada	2004	
131	Studio Misr	El Haram	2003	
132	Panorama EL GOUNA	Hurghada	2003	
133	Sun Beach (2)	Sharm El Sheikh	2003	



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134	Auberge El Fayoum	El Fayoum	2003	
135	Intercontinental	Hurghada	2003	
136	Royal Rojana	Sharm El Sheikh	2003	
137	El Baron Hotel	Marsa Alam	2003	
138	The Guard Hotel	Alexandria	2002	
139	Om El Gorayfat Resort	Marsa Alam	2002	
140	Sultan Beach	Hurghada	2002	
141	Savana Hotel	Hurghada	2002	



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# Clubs

**Electromechanical Works**  
**Steam Stations**  
**Hot Water Station**  
**Construction**  
**Plumbing**  
**HVAC**  
**Fire Fighting**



	Project	Location	Year	Works
1	Nasr City Club	Cairo	2021	Hot Water Boiler
2	Matrix Club	Tanta	2021	Hot Water Boiler
3	Al Salam Stadium	Cairo	2020	Electric Boiler
4	Diplomatic Club	Cairo	2020	Hot Water Boiler
5	Heliopolis Club El Shorouk	Cairo	2020	Expansion Tank
6	Misr Petroleum Club	Cairo	2019	Hot Water Boiler
7	Sporting Club	Alexandria	2019	Hot Water Boiler
8	Haras El Hodoud	Alexandria	2018	Hot Water Boiler
9	Media SC	Cairo	2017	Hot Water Boiler
10	Rio Club	Alexandria	2016	Hot Water Boiler
11	Gezira Sporting Club	Cairo	2016	Hot Water Boiler
12	Geziret Elward Sporting Club	El Mansoura	2015	Hot Water Boiler
13	Smash Sporting Club	Cairo	2015	Hot Water Boiler
14	AL Ahly Sporting	Cairo	2013	Hot Water Boiler
15	Heliopolis Sporting Club	Cairo	2013	Hot Water Boiler
16	Golf Club In Dream Land	6 <sup>th</sup> October City	2012	
17	Shooting CLUB	Cairo	2011	
18	El Maadi CLUB	Cairo	2011	
19	EL Zamalik Club	Cairo	2010	
20	Sky Petro Sport Club	New Cairo	2010	
21	Petro Sport	New Cairo	2010	
22	Educational Center (Bani Suef)	Bani Suef	2010	
23	Tawfikeya Sporting Club	EL Giza	2009	
24	Smouha Club	Alex	2009	
25	EL Waily Club	Cairo	2008	
26	EL Shams Club	Cairo	2008	
27	Bab AL Shaeriya Club	Cairo	2008	
28	City Club	El Obour	2008	
29	Police Academy Club	Abasia	2007	
30	Media Club	6 <sup>th</sup> October City	2007	





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31	Sporting Club	Alexandria	2006	
32	Gezira Sporting Club	Cairo	2006	
33	Aero Sport Club	Cairo	2006	
34	Hadayek El Ahram Club	Cairo	2006	
35	Heliopolis Sporting Club	El Sherouk	2004	



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STEAM & HOT WATER SYSTEM  
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## Universities & Schools

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**Steam Stations**

**Hot Water Station**



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	Project	Location	Year	Works
1	Sheraton Heliopolis Language Schools	Cairo	2018	Hot Water Boiler
2	Harvest International School	Alexandria	2018	Hot Water Boiler
3	Damanhur University	Damanhur	2017	Fire Fighting
4	Capital International Schools	Cairo	2016	
5	Zoser School	Cairo	2015	
6	Cairo University	Cairo	2012	
7	Ain Shams University	Cairo	2012	
8	Pharos University	Alexandria	2012	
9	Assiut University	Assiut	2010	
10	Al Azhar University	Cairo	2009	



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# Factories

**Electromechanical Works**

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**HVAC**

**Fire Fighting**

**Electric Works**

**Steam Stations**

**Hot Water Station**



	Project	Location	Year	Works
1	El Falankat		20211	Steam Boiler
2	Al Manar Amcf	6 <sup>th</sup> October City	2021	Oil Thermal Boiler
3	Teriak	Hurghada	2021	Steam Boiler
4	Pure Ovo Foods Factory	Cairo	2020	Hot Water Boiler
5	Detco	Cairo	2018	Steam Boiler
6	Koueider	Cairo	2017	Steam Boiler
7	مصنع لزهر الطحينية	Alexandria	2017	Steam Boiler
8	Capritage Helwan	Helwan	2016	Steam Boiler
9	Gold's Gym Maadi	Cairo	2016	Hot Water Boiler
10	Gold's Gym New Cairo	Cairo	2016	Hot Water Boiler
11	Dana Suez	AL Suez	2016	
12	Galvamental Factory	EL Oboor	2016	
13	Awwara Factory	Tanta	2015	
14	Mafco Company	Tanta	2015	
15	Samotex Company	AL Mahala	2015	
16	Kama Factory	6 <sup>th</sup> October City	2014	
17	Madareb EL Gharia	Tanta	2014	
18	Magazer EL Menia	EL Menia	2014	
19	AB Pharma	Abo Rawash	2013	
20	AL Etehad Factories	10 <sup>th</sup> Of Ramadan	2013	
21	Internaional Company	10 <sup>th</sup> Of Ramadan	2013	
22	Magnom	6 <sup>th</sup> October City	2013	
23	EL Marwa	Cairo	2013	
24	Egypt Dough Company	AL Obour	2013	
25	Emco Factory	10 <sup>th</sup> Of Ramadan	2012	
26	Heatrade Company	Cairo	2012	
27	Alfa Tec Factory	10 <sup>th</sup> Of Ramadan	2012	



28	Iceman Factory	6 <sup>th</sup> October City	2012	
29	Crown Factory	EL Menia	2011	
30	Home Care Company	6 <sup>th</sup> October City	2010	
31	Kotb Factory For Printing	10 <sup>th</sup> Of Ramadan	2010	
32	Nhle C Lothes Factory	EL Giza	2010	
33	Cairo University	EL Giza	2010	
34	Elhelw Factory For Textiles	10 <sup>th</sup> Of Ramadan	2009	
35	Salamco Factory	10 <sup>th</sup> Of Ramadan	2009	
36	Sima Factory	10 <sup>th</sup> Of Ramadan	2009	
37	Eyption PETROLEUM Research INSTITUTE	Cairo	2009	
38	Arabia Company For Medicines Products	6 <sup>th</sup> October City	2008	
39	National Company For Oil	El Gharbya	2008	
40	Souheify Company	Alexandria	2008	
41	Yousry El Hamaky Factory	El Matareya	2008	
42	Cook Door Factory	El Oboor	2008	
43	Zad Farm Factory	El Suez	2008	
44	Badr Tex Factory	Badr City	2007	
45	Anwar El Hamaky Factory	10 <sup>th</sup> Of Ramadan	2007	
46	Bisco Misr	Cairo	2007	
47	Egyptian Electricity	Qana	2007	
48	El Medany Laundry	10 <sup>th</sup> Of Ramadan	2007	
49	El Temsah	El Menia	2006	
50	Kato Aromatic	El Omraneya	2005	
51	Alfa Tec Factory	10 <sup>th</sup> Of Ramadan	2005	
52	Iceman Factory	6 <sup>th</sup> October City	2005	
53	Cairo University	Giza	2004	



54	Senurita Factory	6 <sup>th</sup> October City	2004	
55	Egy Spain	Nubaria	2004	
56	Sedeco	6 <sup>th</sup> October City	2004	
57	Al Islamia	Kafr El Sheikh	2003	
58	El Amria Medical Factory	Alexandria	2002	
59	Japanese Factory	6 <sup>th</sup> October City	2001	
60	EL Amrya	Alexandria	2001	
61	Beta Factory	Gamsa	2001	
62	El Alamyia	Mdint El Sadat	2001	



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STEAM & HOT WATER SYSTEM  
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# Hospitals

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**Plumbing**

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**Fire Fighting**

**Electric Works**

**Steam Stations**

**Hot Water Station**





	Project	Location	Year	Works
1	Bedayat Hospital	Cairo	2021	Gas Water Heater
2	Minya Oncology Center	Minya	2021	Hot Water Boiler
3	Cleopatra Hospital	Cairo	2020	Storge Heat Exchanger
4	Esni Hospital Luxor	Luxor	2019	Electric Boiler
5	ك مومديكا وصحتى القلب والكلية	Minya	2019	Steam Boiler
6	Kasr El Aini Teaching Hospital	Cairo	2019	Steam Boiler
7	Well Care Hospital	Cairo	2018	Gas Water Heater
8	Police Academy Hospital	Cairo	2018	Hot Water Boiler
9	Al Mataria Hospital	Cairo	2016	Steam Network
10	Psychiatric Hospital	EL NOZHA - Cairo	2012	
11	Al Hommeyat Hospital	Al Hommeyat	2012	
12	AL Kasr EL Ainy Hospital	EL Giza	2009	
13	Egypt Air Hospital	Cairo	2008	
14	El Nozha International Hospital	Aswan	2006	
15	El Kantara Hospital	Ismailia	2005	
16	The Women Hospital	Cairo	2005	



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STEAM & HOT WATER SYSTEM  
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## المشاي علق واتل لمسل حة

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**Fire Fighting**

**Electric Works**

**Steam Stations**

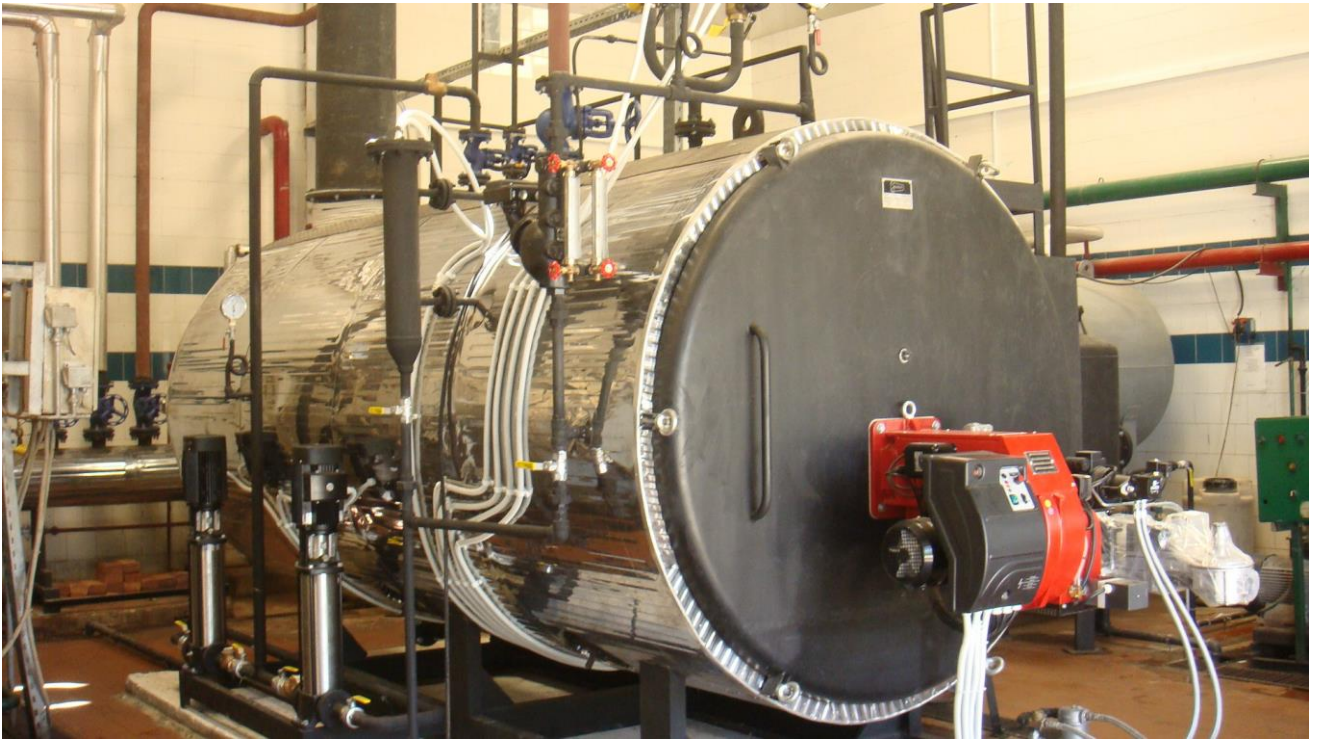
**Hot Water Station**

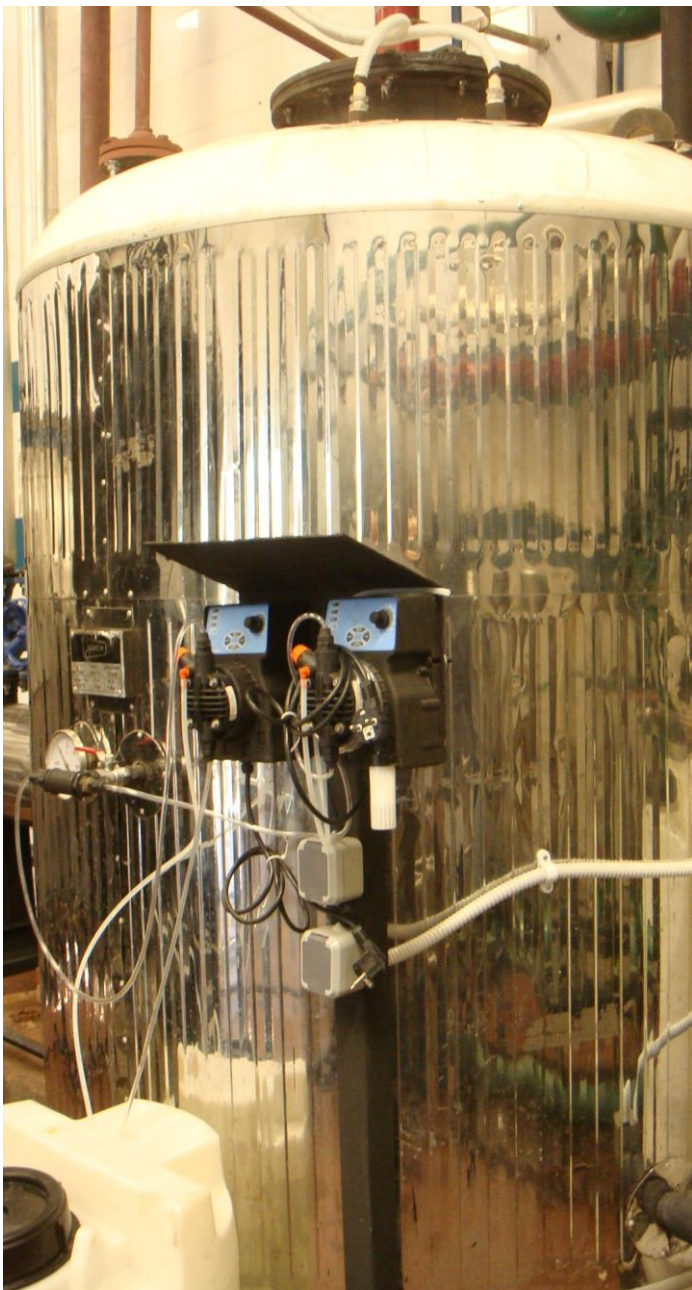
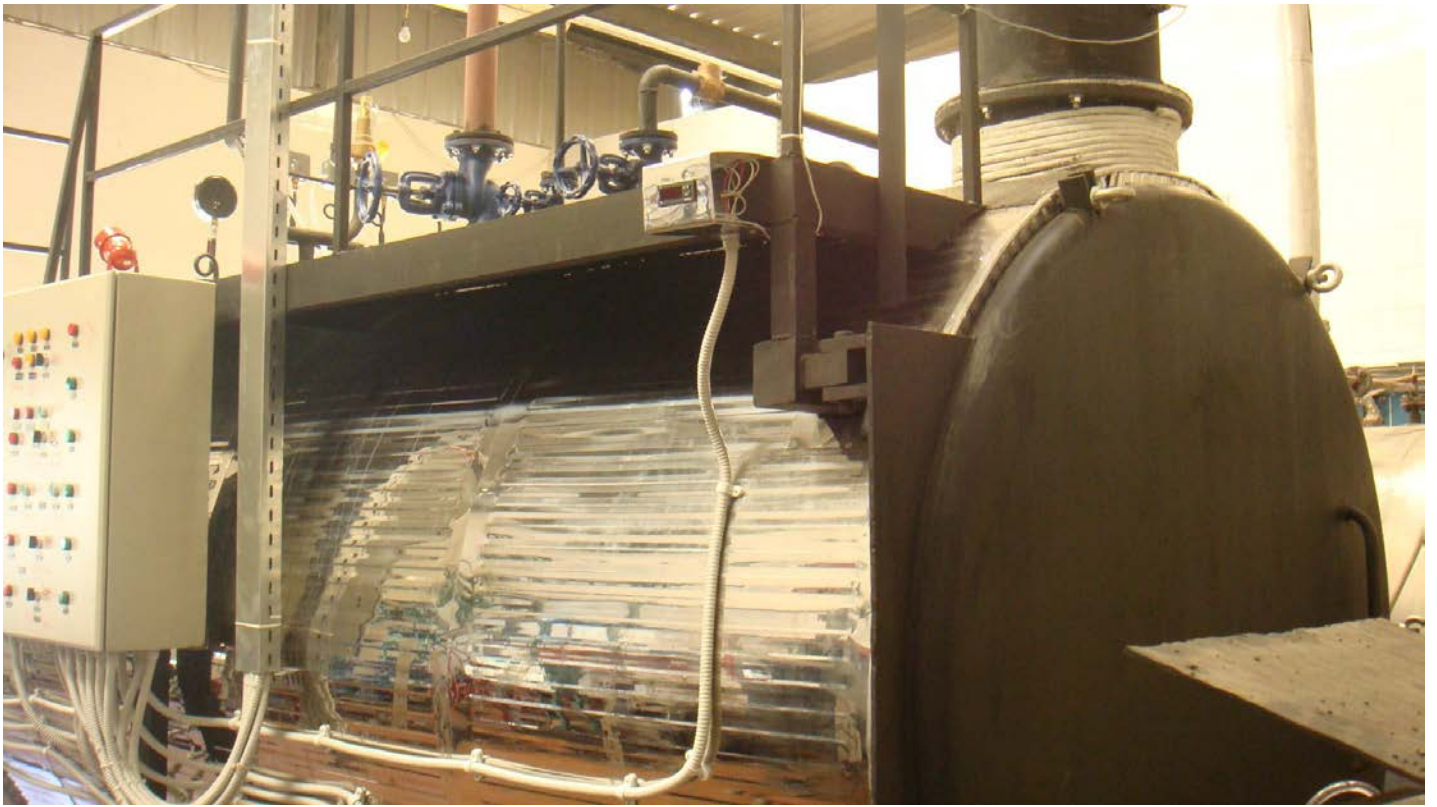




وزارة لداخليه		
لمعدات	اسم لمشروع	م
غلايات هياةسلاخنة	ميتشفسى لشرطة	1
غلايات هياةسلاخنة	سجن 15 حيو	2
غلايات هياةسلاخنة	سجن للمري لمرحى قلابة (سجلهلساء لعمومى )	3
غلايات هياةسلاخنة	معسكر الأمن لمركزي ل الم 1	4
غلايات هياةسلاخنة	معسكر الأمن لمركزي ل الم 2	5
غلايات هياةسلاخنة	سجن وادى لانطرون لمبنى لمطور 1	6
غلايات هياةسلاخنة	سجن وادى لانطرون لمبنى لمطور 2	7
غلايات هياةسلاخنة	سجن وادى لانطرون لمبنى لخدمات 1	8
غلايات هياةسلاخنة	سجن وادى لانطرون لمبنى لخدمات 1	9
غلايات هياةسلاخنة	سجن جمصه	10
غلايات هياةسلاخنة	سجن وادى لانطرون لمبنى لغلاياتت ية لمجنين	11
غلايات هياةسلاخنة	مبنى اعش قطن باطب امن شمللى ناء	12

# **El Nobariya**



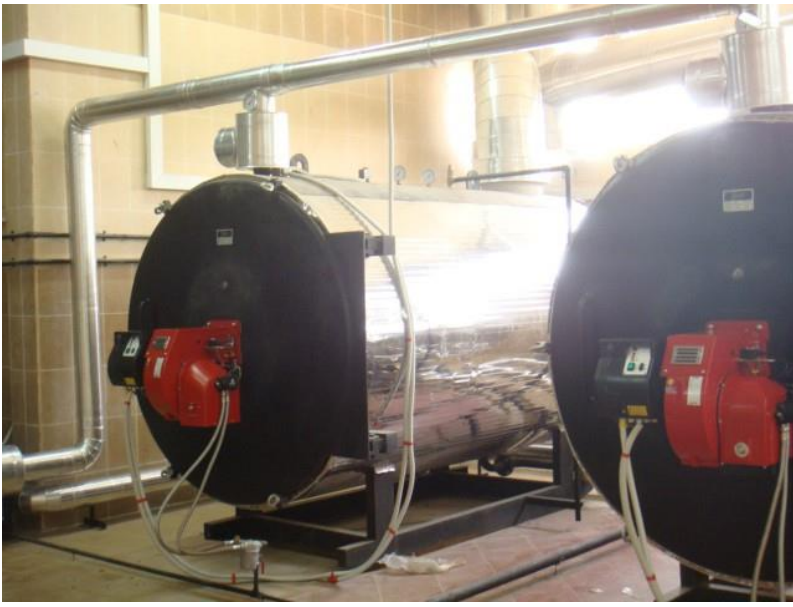












# **Gabal Lahmar**



