ENGINEERING EFFICIENCY SINCE 1935
A building must do what it was designed to do – not just provide shelter but also be an environment where people can live, work and achieve.
Our Dutch founder, Gerard van Reekum, traded in steel heating pipes during the 1920s. He soon noticed that most homes were heated by inefficient, pollution-breathing coal-fired stoves – and decided to do something about it. In 1935, Remeha was founded in Holland. And, by 1939, the company had developed a highly acclaimed boiler programme for oil, gas and solid fuels.

Ever since then, we've been a true pioneer within the heating industry and at the forefront of new technological advances. And the principles that have helped to make us who we are today, run through everything we do. It's simply the way we do business.

QUALITY AND PERFORMANCE AT THE HEART OF EVERYTHING WE DO

We're setting the highest standards – from meticulous design to supplying detailed specifications, we go above and beyond our customers' expectations. We're relentlessly pursuing perfection – we develop products that offer the best heating solutions possible with the latest technology.

ENGINEERING EXCELLENCE SINCE 1935

WE'RE LEADING THE WAY IN ADVANCED BOILER TECHNOLOGY. WE'RE ENGINEERS AND INNOVATORS WHO CONTINUALLY INVEST IN RESEARCH AND DEVELOPMENT.

A BUILDING MUST DO WHAT IT WAS DESIGNED TO DO – NOT JUST PROVIDE SHELTER BUT ALSO BE AN ENVIRONMENT WHERE PEOPLE CAN LIVE, WORK AND ACHIEVE.
We're completely focused on commercial heating solutions and we're at the forefront of condensing gas boiler technology - we don't manufacture boilers for anyone else.

We invest heavily in research and development which enables our specialist teams to design high performance into our products at every level. From using the latest materials and manufacturing techniques to meticulously designing and engineering each boiler, we ensure they're efficient to specify, install, run and maintain.

All our boilers share the same simple design - so they're expandable, adaptable and future-proofed.

We've tried to think of everything, so from specification to blueprint sign-off through to supply and installation, our customer service and product support is unbeatable.

WE LEAD THE WAY IN INNOVATION, RELIABILITY AND EFFICIENCY FOR ADVANCED COMMERCIAL HEATING SOLUTIONS THAT BENEFIT CUSTOMERS, BUSINESSES AND SOCIETY.

WHY REMEHA?

We're completely focused on commercial heating solutions and we're at the forefront of condensing gas boiler technology - we don't manufacture boilers for anyone else.

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All our boilers share the same simple design - so they're expandable, adaptable and future-proofed.

We've tried to think of everything, so from specification to blueprint sign-off through to supply and installation, our customer service and product support is unbeatable.
Remeha has been reliably engineering high-performance and high-efficiency heating solutions since 1935. We have decades of valuable experience and understand the exacting needs of commercial specifiers. That’s why our boilers are designed from the ground up – and then built around a single design concept. They’re specially designed for easy installation, including a modular configuration for flexibility in plant room design.

We don’t just do the basics really well. We understand the importance of detail. And the ways we can make your role easier and more successful. That’s why we offer the most comprehensive product resource tools in the industry. This includes free downloads of BIM files, plus 2D and 3D CAD drawings. Not to mention supplying suggested schematics with multiple hydraulic and electrical drawings to base your designs on.

Above all, we put ourselves in your shoes. So even our largest boiler fits through a standard doorway, 0-10 volt connections and flue gas non-return valves are both supplied as standard, and everything conforms to ErP regulations.

And our commitment doesn’t end when we deliver to site. We offer full warranties, quality support and expert technical backup for your clients on all products.

FROM HEXHAM ABBEY TO THE HERON TOWER...REMEHA IS ALWAYS TRUSTED TO DELIVER, WHATEVER THE PROJECT.
Built around a single design concept, our products can be supported by our control systems to maximise heating efficiencies. Our range also includes complementary high-performance renewable and low carbon heating solutions, including Combined Heat and Power (CHP) units and Gas Absorption Heat Pumps (GAHP) that can be installed alone or combined with our boilers to create a new low carbon plant room.

Each and every product is engineered to the highest quality for unrivalled performance and ease of installation, operation and maintenance.

**Our Fully-Modulating, High-Efficiency, Low-Nox Condensing Boilers Range from Individual Outputs of 8.9kW to 1303kW.**

**TEN REASONS CONSULTING ENGINEERS SPECIFY OUR BOILERS:**

- Tried and tested system design
- Systems are expandable and updatable
- Guaranteed continuity of the model range
- The industry's most comprehensive product literature
- Suggested schematics with drawings supplied
- 0-10 volt connections supplied as standard
- Flue gas non-return valves fitted as standard
- Pressurised flue systems supplied
- Boilers delivered directly to site
- Skilled sales managers with technical knowledge
At Remeha, we don’t stand still. We’re constantly looking to move forward and improve, that’s why we invest heavily in research and development.

That’s why we’re the UK’s market leader in commercial boilers. We’re totally committed to staying at the forefront of advances in condensing technology, because it’s exactly where we should be. From producing the first ever wall-hung commercial boiler to the latest Gas Absorption Heat Pumps, our research and development department has pioneered many technological breakthroughs.

We’ve created a range of fully room-sealed commercial boilers through to large output floor-standing boilers on wheels that are still small enough to fit through a single doorway. We try and think of everything.

We engineer exceptional efficiencies into every boiler we produce so they not only reduce greenhouse gas emissions but they also reduce operational energy costs too.

Innovation is a collaborative process here at Remeha. Our European network of engineers proactively anticipates future local requirements from feed that information through to the research and development team. And that’s where the serious thinking starts.

Most of our profits are reinvested back into developing the products of tomorrow.

Investing in the future

Creating the low carbon plant room

Investing in the future

11

Most of our profits are reinvested back into developing the products of tomorrow.
Remeha is about much more than its products and the result for you is long-term efficiency and peace of mind for your clients.

PRE AND AFTER SALES SERVICES
Our dedicated pre and after sales teams are an integral part of the package we offer. Once a boiler is out of warranty, we supply a list of approved service engineers.

SPARE PARTS KIT
In co-operation with contractors, we’ve developed an extensive spare part/emergency kit which includes all major parts required in the event of a breakdown.

WARRANTY
We guarantee all our products for two years (parts and labour) if commissioned by us as standard and offer a five year warranty on heat exchangers. For Remeha products that aren’t commissioned by us, we offer a two year (parts only) warranty and the same five year warranty on heat exchangers.

Our expert team of talented engineers, informed sales managers and knowledgeable service staff are on hand to support you at every stage of the project – from initial sales consultancy to after sales support and expert technical backup.

A TOTAL SOLUTION

NO MIDDLE MEN. NO HIDDEN SURPRISES. DEALING DIRECT WITH US MEANS YOU GET EXACTLY WHAT YOU NEED WHEN YOU NEED IT. NO FUSS. NO BOTHER.
REMEHA’S UNIQUE RANGE OF ENERGY EFFICIENT HEATING SOLUTIONS ARE HELPING THE UK MOVE TO A LOW CARBON FUTURE.

**QUINTA PRO**
See page 16
Market-leading series of versatile, wall-hung condensing boilers designed for space heating and indirect hot water production.

**QUINTA ACE 160**
See page 20
The next generation wall-hung boiler with a new cast aluminium heat exchanger and a new control platform.

**GAS 110 ECO**
See page 22
65kW and 115kW compact, high-efficiency, floor-standing condensing boilers.

**GAS 210 ECO PRO**
See page 24
Pre-assembled, free-standing, high-efficiency condensing boilers (available in three to six sections).

**GAS 310/610 ECO PRO**
See page 26
Pre-assembled, free-standing, high-efficiency condensing boilers delivered on wheels for easy manoeuvrability into the plant room.

**P SERIES**
See page 28
Floor-standing, oil, gas and dual fuel pressure jet cast iron sectional boilers.

**FUSION AND FUSION HYBRID**
See page 28
The best of both worlds – combining renewable and conventional gas technologies.

**R-GEN NG CHP RANGE**
See page 28
Highly-efficient, low carbon, combined heat and power units.

**HOT WATER CYLINDERS**
See page 28
High-performance, exceptional flow rates and highly durable – ideal for hotel, leisure and housing sectors.

**HEATING CONTROLS**
See page 28
Specifically designed to maximise the efficiency of our products or systems, bringing even greater energy and carbon savings.

**SINGLE BOILEER OUTPUTS**
8.9 to 114kW

**SINGLE BOILER OUTPUT**
54.6 to 161.5kW

**SINGLE BOILER OUTPUTS**
13.5 to 114kW

**SINGLE BOILER OUTPUTS**
310.61 to 655kW
612.69 to 1009kW

**SINGLE BOILER OUTPUTS**
450 to 1450kW

**SINGLE UNIT OUTPUT**
20 to 2500kWe

**HIGH FLOW RATES**
In excess of 100l/min

**OPTIONS ACROSS THE WHOLE RANGE**

**THE COMPLETE RANGE**
A MARKET-LEADING SERIES OF VERSATILE, WALL-HUNG CONDENSING BOILERS.

Designed for space heating and indirect hot water production available in 30kW, 45kW, 65kW, 90kW, 115kW and 160kW models.

With their extremely compact design, the Remeha Quinta Range may be installed individually or as part of a multi-boiler cascade or rig system, for flexible design and reliable, high-quality performance.

The Remeha Quinta Range is suitable for use on sealed systems and open-vented installations.
FEATURES AND BENEFITS

High-efficiency boiler up to 99% Gross Calorific Value (GCV)

Smaller than average energy savings

Small dimensions and lightweight design

Easy to install in smaller spaces

Ultra-low Class 5 NOx emission levels from 29mg/kWh (0% O2, dry)

Low pollutant emissions meet environmental regulations including BREEAM and Clean Air Act

Premix down-firing gas burner and one-piece cast aluminium heat exchanger

Clean, trouble-free operation

LED illuminated casing air box, removable front panel, digital display, data file for storing information and remote signalling options

Improved ease of operation and maintenance

Modulating 16-100% OT Open Therm

Built-in advanced boiler and calorifier control for maximum efficiency

Control 0-10V signal or volt free

Extremely compact cascade packages for up to ten boilers

Effective, space-saving solution for greater design flexibility

Quiet operation <55 dBA

Improved comfort

For use with Natural Gas and LPG (Quint Pro 90 requires a conversion kit)

Flexible solution to energy-saving heating

SINGLE BOILER OUTPUTS: 8.9 to 114kW

CASCADE OUTPUT: Up to 1140kW

MAXIMUM GROSS EFFICIENCY: Up to 99% GCV

FLEXIBLE DESIGN AND RELIABLE, HIGH QUALITY PERFORMANCE.

Suitable for use on sealed systems and open-vented installations.

Ideal for both new and retrofit installations.

Available in 30, 45, 65, 90 and 115 models.

High-efficiency wall-hung condensing boiler with ultra-low NOx emissions.

The extremely compact design enables individual installation or as part of a multi-boiler cascade or rig system.

Modulating 18-100% OT Open Therm

Control 0-10V signal or volt free

Extremely compact cascade packages for up to ten boilers

Effective, space-saving solution for greater design flexibility

Quiet operation <55 dBA

Improved comfort

For use with Natural Gas and LPG (Quint Pro 90 requires a conversion kit)

Flexible solution to energy-saving heating.
The Quinta Ace 160 is one of the most advanced wall-hung boilers on the market. It can work as an extension of the Quinta Pro range giving you the ability to mix and match cascades. This enables you to achieve the closest possible match to your required load.

With plant room space at a premium, the ability to move large outputs away from the floor and onto the wall makes the overall design process easier.

- **Class-leading power output to physical size ratio.**
- **All new cast aluminium heat exchanger for improved performance and efficiency.**
- Next new human machine interface gives the customer great flexibility in terms of external management.
- Suitable for use on sealed systems and open-vented installations.
- Ideal for use in both new and retrofit installations.

**FEATURES AND BENEFITS**

- **Built on the Quinta platform**
- **Tried and tested technology**
- **Class-leading output to physical size ratio**
- **Plum room space reducing and access through doors and lifts easier**
- **Cascade up to eight boilers in line or back-to-back**
- **Time-saving installation with on-site assembly**
- **Mixed cascade (with Quinta Pro) available**
- **Exact matching of heat output requirements**
- **Control supplied as standard with all functions as the Quinta Pro**
- **Time and temperatures can be set and controlled by the end user**
- **In-built 0-10V and free volt contacts**
- **Can connect to any BMS without additional parts needed**
- **Cleanable heat exchanger - as with all Quinta models**
- **Dry side can be examined and descaled. Cleaning tool and gaskets supplied**
- **‘Click and Go’ condensate drain underneath (not inside)**
- **Ease of installation**
- **Multiple fluing capabilities**
- **Flexible installation in new and existing buildings**
- **Low NOx to ERP Ecodesign (iii) 2018 and EN15502 PT1 2015 Class VI**
- **Future proof for emissions regulation**
- **In-built non-return valve between valve and burner**
- **Stops spill back between cascaded units and allows some pressurisation of flue**
- **Internal light**
- **Aids servicing in plant rooms**

**QUINTA ACE 160**

Based on our proven Quinta Pro, it’s the next generation wall-hung boiler with a new cast aluminium heat exchanger and a new control platform.

**SINGLE BOILER OUTPUT**

<table>
<thead>
<tr>
<th>QUIN TA</th>
<th>OUTPUT</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACE 160</td>
<td>34.6 to 161.5kW</td>
</tr>
</tbody>
</table>

**CASCADE OUTPUT**

<table>
<thead>
<tr>
<th>QUIN TA</th>
<th>OUTPUT</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACE 160</td>
<td>Up to 1292kW</td>
</tr>
</tbody>
</table>

**MAXIMUM GROSS EFFICIENCY**

<table>
<thead>
<tr>
<th>QUIN TA</th>
<th>EFFICIENCY</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACE 160</td>
<td>Up to 99% GCV</td>
</tr>
</tbody>
</table>

**ONE OF THE BIGGEST OUTPUT WALL-HUNG BOILERS IN THE EUROPEAN MARKET.**

The Quinta Ace 160 is one of the most advanced wall-hung boilers on the market. It can work as an extension of the Quinta Pro range giving you the ability to mix and match cascades. This enables you to achieve the closest possible match to your required load.

With plant room space at a premium, the ability to move large outputs away from the floor and onto the wall makes the overall design process easier.

- **Class-leading power output to physical size ratio.**
- **All new cast aluminium heat exchanger for improved performance and efficiency.**
- Next new human machine interface gives the customer great flexibility in terms of external management.
- Suitable for use on sealed systems and open-vented installations.
- Ideal for use in both new and retrofit installations.
**GAS 110 ECO**

Compact, high-efficiency, floor-standing condensing boilers.

**FEATURES AND BENEFITS**

- High-efficiency boiler up to 99% GCV
- Higher than average energy savings
- Extremely compact
- Particularly suitable for retrofit applications
- Ultra-low Class 5 NOx emission levels from 32mg/kWh (0% O2, dry)
- Low pollutant emissions meeting all environmental legislation
- Premix gas burner and one-piece cast aluminium heat exchanger
- Clean, trouble-free operation
- Modulating 18-100% OT Open Therm
- Control 0-10V signal or volt free
- Built-in advanced boiler and calorifier control for maximum efficiency
- Cascade/modular packages for up to six boilers
- Effective space saving solution for greater design flexibility
- Ultra quiet operation <48 dBA
- Improved comfort
- For use with Natural Gas and LPG (115 requires a conversion kit)

**SINGLE BOILER OUTPUTS**

- 13.3 to 114kW

**CASCADE OUTPUT**

- Up to 682.8kW

**MAXIMUM GROSS EFFICIENCY**

- Up to 99% GCV

**CONVENTIONAL AND ROOM-SEALED FLUE SYSTEM CAPABILITIES FOR TOTAL FLEXIBILITY.**

- Designed for use in single and multiple (modular/cascade) configurations on either new or refurbishment projects.
- Maximum energy efficiency – integrated Remeha weather compensator options ensure the boiler closely matches system demand.
- Conventional and room-sealed flue system capability enables the boiler to be sited almost anywhere within a building.

**GAS 110 ECO 23**
GAS 210
ECO PRO

Pre-assembled, free-standing, high-efficiency condensing boilers available in three to six sections.

FEATURES AND BENEFITS

- High-efficiency boiler up to 95.2% GCV
- Reliable, high-performance operation
- Extremely compact dimensions and ability to be installed back-to-back
- Space-saving solution, ideal for modular configurations
- Ultra-low Class 5 NOx emission levels from 33mg/kWh (0% O2, dry)
- Low pollutant emissions meeting all environmental legislation
- Options for direct weather compensation
- Close matching of heat demand at all times for maximum energy efficiency
- Optional secondary return feature
- Maximum efficiencies with low grade heat technologies
- Digital diagnostic display and remote signalling options
- Easy operation and maintenance
- Supplied fully assembled
- Quick and easy installation
- Quiet operation <59 dBA
- Improved comfort

IDEAL FOR TIGHT PLANT ROOMS NEEDING LARGER LOADS WITH FLEXIBLE LAYOUTS.

- Compact, lightweight structure – quick and easy to install.
- Capacity to be installed back-to-back provides added flexibility in floor design.
- Secondary return feature that makes this boiler particularly suitable for use with heating technologies that use low grade heat, such as heat pumps or underfloor heating circuits.

SINGLE BOILER
OUTPUTS
16 to 217kW

MAXIMUM GROSS EFFICIENCY
Up to 95.2% GCV
GAS 310/610 ECO PRO

Pre-assembled, free-standing, high-efficiency condensing boilers – delivered on wheels for easy manoeuvrability into the plant room.

FEATURES AND BENEFITS

- High-efficiency boiler up to 98.4% GCV
- Lightweight construction and supplied fully assembled on wheels
- Easy to disassemble
- Extremely compact at only 72cm wide
- Ability to be installed side-to-side
- Ultra-low Class 5 NOx emission levels from 26mg/kWh (0% O2, dry)
- Intelligent advanced boiler control with options for direct weather compensation
- Digital diagnostic display and remote signalling options
- Quiet operation <59 dBA
- Optional secondary return feature
- 100% recyclable

- Higher than average energy savings
- Quick and easy installation
- Time and labour savings, particularly where access is restricted or awkward
- Able to fit through a standard doorway
- Added flexibility of plant room configuration
- Close matching of heat demand at all times for maximum energy efficiency
- Easy operation and maintenance
- Improved comfort
- Maximises efficiencies with low grade heat technologies
- Environmentally-friendly

- Available in five to ten sections – specially designed for maximum versatility and energy efficiency
- * Compact design – fits through any standard doorway
- * For restricted or awkward access, it can be disassembled into parts – reducing labour and time costs.
- * Capacity to be installed side-to-side provides added flexibility in floor design
- * Secondary return feature that makes this boiler particularly suitable for use with heating technologies that use low grade heat, such as heat pumps or underfloor heating circuits.

SINGLE BOILER OUTPUTS

- GAS 310: 51 to 651kW
- GAS 610: 69 to 1303kW

MAXIMUM GROSS EFFICIENCY

- Up to 98.4% GCV
P SERIES

Floor-standing, oil, gas and dual fuel, pressure jet cast iron sectional boilers.

THREE-PASS PRINCIPLE DESIGNED FOR MAXIMUM EFFICIENCY – COST-EFFECTIVE FOR COMMERCIAL AND INDUSTRIAL APPLICATIONS.

Our P Series is a range of three-pass cast iron sectional boilers ideal for use with gas, light oil, dual fuel and bio-fuel through a pressure jet burner for commercial and industrial applications.

- Designed on the basis of the triple-pass principle to achieve maximum efficiency – generously-sized chamber for optimal combustion and minimum NOx and CO2 emissions.
- Compact yet extremely powerful.
- Available in two models: P420 and P520 (the P320 suitable for replacement projects only).

FEATURES AND BENEFITS

<table>
<thead>
<tr>
<th>P SERIES</th>
<th>SINGLE BOILER OUTPUTS</th>
<th>MAXIMUM GROSS EFFICIENCY</th>
</tr>
</thead>
<tbody>
<tr>
<td>Floor-standing, oil, gas and dual fuel, pressure jet cast iron sectional boilers.</td>
<td>450 to 1450kW</td>
<td>Up to 84% GCV</td>
</tr>
</tbody>
</table>

- High combustion efficiency
- Quiet operation
- Triple-pass flueways design
- Large combustion chamber
- Eutectic cast iron boiler body
- Reinforced fiberglass wool insulation and double insulation of boiler front
- Easy installation for new and existing plant rooms
- P520 is delivered as standard with pre-set water flow switch
- Greater than average energy savings
- Maximum efficiency
- Minimises NOx and CO2 emissions
- Provides exceptional resistance to temperature variations, thermal shocks and corrosion
- Minimises heat loss for improved thermal efficiency
- Time saving
- Quick and easy installation
Remeha Fusion 35kW Gas Absorption Heat Pump (GAHP) is a practical, proven low carbon, low-NOx heating solution for new build and existing commercial, industrial and residential buildings.

It takes energy from the surrounding air which is converted to higher temperatures with the aid of refrigerants.

By combining renewable energy with gas input and using the gas condensing heat generator to maintain high operational efficiencies, Remeha Fusion can increase the thermal output. This offers exceptionally high seasonal efficiencies of 120-130% even at low/sub-zero outside temperatures, providing continuous heating even in defrost phase.

It’s available as a single unit or in cascade operations of up to 48 units and can be used as the sole supplier of low carbon heating or with commercial condensing boilers.

Remeha Fusion Hybrid is a bespoke solution combining Remeha Fusion and Remeha Quinta Pro condensing boilers to meet the individual needs of a building.

The two energy-saving technologies are fully integrated through a specially configured BMS known as Remeha Touch to maximise efficiencies and savings.

**FEATURES AND BENEFITS**

- Suitable for use in both new build and refurbishment projects
- Versatile solution to low carbon heating
- Proven high performance
- Highly efficient even at low/sub-zero outside temperatures
- Uses gas as primary energy source at point of use
- Extremely efficient, provides 98% of usable heat energy
- Ammonia/water solution used as refrigerant
- Environmentally friendly solution with zero global warming and zero ozone depletion potential
- Condensing heat generator
- Achieves Class 5 NOx levels
- Qualifies for five BREEAM credits
- Able to significantly improve a building’s environmental ratings
- Easily retrofitted as a ‘bolt on’ to serviceable boilers
- Straightforward and affordable retrofit option
- Available in bespoke system combining Fusion Hybrid and Quinta Pro condensing boilers
- Can be tailored to meet the needs of a building with specially configured BMS to maximise efficiencies

**SINGLE UNIT OUTPUT**
- 35kW

**CASCADE OF UP TO 48 UNITS**
- 1,680kW

**MAXIMUM GROSS EFFICIENCY**
Up to 160% GUE

Remeha Fusion Hybrid is a bespoke solution combining Remeha Fusion and Remeha Quinta Pro condensing boilers to meet the individual needs of a building. The two energy-saving technologies are fully integrated through a specially configured BMS known as Remeha Touch to maximise efficiencies and savings.

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- 35kW

**CASCADE OF UP TO 48 UNITS**
- 1,680kW

**MAXIMUM GROSS EFFICIENCY**
Up to 160% GUE

Remeha Fusion 35kW Gas Absorption Heat Pump (GAHP) is a practical, proven low carbon, low-NOx heating solution for new build and existing commercial, industrial and residential buildings.

It takes energy from the surrounding air which is converted to higher temperatures with the aid of refrigerants.

By combining renewable energy with gas input and using the gas condensing heat generator to maintain high operational efficiencies, Remeha Fusion can increase the thermal output. This offers exceptionally high seasonal efficiencies of 120-130% even at low/sub-zero outside temperatures, providing continuous heating even in defrost phase.

It’s available as a single unit or in cascade operations of up to 48 units and can be used as the sole supplier of low carbon heating or with commercial condensing boilers.
The Remeha R-Gen NG Combined Heat and Power (CHP) range is the sustainable solution to providing highly-efficient heat and power to commercial buildings that demand significant, consistent heating and electricity.

Converts gas into both electricity and heat in a single process at the point of use – operating at higher efficiency levels than traditional generation, delivering a primary energy saving of up to 30% and up to 20% reduction in emissions.

R-Gen 20/44 NG and 50/100 NG models can achieve outstanding total-fuel efficiencies of 103-104%, reducing greenhouse gas emissions by up to 60% and primary energy consumption by up to 40%.

**FEATURES AND BENEFITS**

- Extremely efficient
- Lower operating costs
- More sustainable operation

**UNIT OUTPUTS**

- 20 to 2,000kWe

**MAXIMUM GROSS EFFICIENCY**

- 104%

**ACHIEVING EXCEPTIONAL TOTAL-FUEL EFFICIENCIES.**

- Convert gas into both electricity and heat in a single process at the point of use – operating at higher efficiency levels than traditional generation, delivering a primary energy saving of up to 30% and up to 20% reduction in emissions.

**UNIT OUTPUTS**

- 20 to 2,000kWe

**MAXIMUM GROSS EFFICIENCY**

- 104%
**HOT WATER CYLINDERS**

High-performance, exceptional flow rates and highly durable – ideal for hotel, leisure and housing sectors.

### FEATURES AND BENEFITS

<table>
<thead>
<tr>
<th><strong>Exceptional flow rates</strong></th>
<th>In excess of 100 litres per minute</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>High-performance coils</strong></td>
<td>Recover from cold in under 60 seconds</td>
</tr>
<tr>
<td>Manufactured from Duplex 2205 stainless steel</td>
<td>High-performance, twice the proof strength of 304 and 316 stainless steel</td>
</tr>
<tr>
<td>Excellent corrosion resistance, stress corrosion cracking resistance and pitting resistance</td>
<td>Durable and long, trouble-free service life</td>
</tr>
<tr>
<td>Suitable for new build and existing buildings with year-round heat demands</td>
<td>Flexible solution to sustainable heat and power</td>
</tr>
<tr>
<td>Full unvented hot water kit and filter operating pressure supplied as standard</td>
<td>Easy installation</td>
</tr>
<tr>
<td>Fully insulated with 100mm of polyurethane foam</td>
<td>Reduced heat loss and pollution, lower fuel bills</td>
</tr>
<tr>
<td>Meet all British environmental legislation and regulation standards</td>
<td>Includes the recommendations of HSE Document L8 relating to Legionella Pneumophila</td>
</tr>
</tbody>
</table>

**TOP-QUALITY, BRITISH MANUFACTURED HOT WATER CYLINDER RANGE – DELIVERING EXCEPTIONAL FLOW RATES IN EXCESS OF 100 LITRES PER MINUTE.**

- 24 options of unvented direct, indirect and solar cylinders (400, 500, 800, 1000, 1250, 2000 and 2500 litre models available in each category).
- Optional immersion heater units also available to provide boost and backup.
- Using high-performance coils, the cylinders recover from cold in less than 60 minutes in optimum conditions, making them particularly suitable for the hotel, leisure and housing sectors.
- Manufactured from Duplex 2205 stainless steel, a high specification grade with a proven level of high-performance and around twice the proof strength of standard 304 and 316 types – perfectly equipped to deal with system pressures.
- Delivers long, trouble-free service life – thanks to excellent corrosion resistance, stress corrosion cracking resistance and pitting resistance properties of the dual ferritic-austenitic steel.

**OPTIONS**

- Unvented Direct, Indirect and Solar
- **THE RANGE**
  - 400 to 2500 litres
- **FLOW RATES**
  - In excess of 100 litres per minute
OUR SELECTION OF CONTROLS ARE SPECIFICALLY DESIGNED TO MAXIMISE THE EFFICIENCY OF OUR PRODUCTS OR SYSTEMS, BRINGING EVEN GREATER ENERGY AND CARBON SAVINGS.

iSense Pro is the latest in our range of controls for condensing boilers. This weather-compensating, multiple boiler, multiple zone, temperature control can be used across our range of boilers.

Remeha Touch is a specially configured control system used to fully integrate our Gas Absorption Heat Pumps and Quinta Pro boilers, maximising the overall efficiency of the bespoke Fusion Hybrid system. Remeha Touch has an integrated seven-inch touchscreen control panel to ensure easy operation of the system with optional remote monitoring.
Visit remeha.co.uk to download the latest Building Information Modelling (BIM) files for our high-efficiency gas condensing commercial boilers.

These digital 3D REVIT files contain all the vital data required: shape, size, weight, heat outputs, carbon and NOx emissions, service and maintenance areas, and maintenance schedules. So you’ll gain accurate insight into each product, supporting smarter design and facilitating potential changes and updates for increased productivity and efficiency.

Similar to a CAD block, BIM files can be inserted directly into your design. That enables pipework runs, flues and pumps to be sized and drawn with little input from design engineers – improving accuracy and saving you both time and costs.

OUR BESPOKE RIG SYSTEM SERVICE SUPPORTS CONSULTANTS IN OVERCOMING PLANT ROOM LIMITATIONS AND TIGHT DEADLINES.

BESPOKE RIG SYSTEMS

These rigs are designed and manufactured to meet the precise requirements of each individual project so that they can be installed in a fraction of the time. It's the ideal solution for refurbishment projects with limited time for completion.

WE OFFER THE MOST COMPREHENSIVE PRODUCT RESOURCE TOOLS IN THE INDUSTRY.

FREE BIM FILES

For the construction team:
- Time saving throughout the construction programme
- Cost and waste saving (e.g., clash detection)
- Supply chain collaboration – robust data
- More predictable project outcome

For the end user:
- Upfront visualisation of finished asset
- More reliable budget and programme
- Asset register (planned maintenance)
- Robust operation and maintenance data – for future alteration or change of use

BENEFITS OF BIM DOWNLOADS

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CASE STUDIES

A small selection of the projects our boilers have been specified for.
The Remeha boilers low NOx emissions ensured that we achieved maximum points for the Pol 4 credit in BREEAM. The low carbon emissions and high energy efficiency assisted in the Part L compliance and the high EPC rating achieved by the building.

JAYNE BAINBRIDGE, M&E CONSULTANT, RPS GROUP

One Trinity Green in South Tyneside is one of the UK’s most innovative and sustainable business centres and needed to provide energy efficient space heating.

This state-of-the-art £5m development, which has achieved a BREEAM ‘Outstanding’ rating and an Energy Performance Certificate of ‘A’, was built on a brownfield site for South Tyneside Council to provide flexible office space and business support for new companies in the low carbon and environmental sector. The sustainable design resulted in a multi-award winning building with a low impact on the environment matched by low operating and management costs.

Two Remeha Quinta Pro 115 condensing boilers were specified by M&E Consultant Jayne Bainbridge of RPS Group to contribute to the building’s outstanding overall energy efficiency. They now deliver exceptionally high heating efficiencies and ultra-low carbon and NOx emissions for environmentally friendly operation, providing energy-saving heating across the entire 3,000m² development. The architects were +3 Architecture, the main contractor was Robertson North England, and the M&E Contractor was Castles Building Services.

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Remeha have a reputation for quality and reliability and the service they offer to us is second to none. This project demanded a high-efficiency and reliable thermal energy source to ensure that energy cost was reduced while services continued without disruption.

GARRY NORTON, M&E CONSULTANT AT TGA CONSULTING ENGINEERS

The Hexham Abbey Project transforms two former Priory buildings (the Carnaby Building and the former Tynedale Magistrates’ Court) into a major new heritage centre.

This fascinating project reunites the 13th century medieval monastic complex for the first time in 500 years.

“The irregular features of this historic building required a flexible and compact heating solution that would allow the installation to be customised to suit the tight space constraints of the plant room.”

(Luke Ellwood, M&E Contractor at Vaughan Engineering)

The Remeha Quinta Pro cascade system with low loss header provided numerous different installation options which resulted in a neat and functional system, while also ensuring that the maintenance requirements of the cascade unit was achieved. Given the restrictions of the small plant room and the tight deadline, the delivery of the Quinta Pro gas condensing boilers on site in a quality-controlled, pre-assembled wheeled unit enabled quick and easy installation and accurate matching of heat output demand in a fraction of the space.

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When boilers at Northumbria University began to fail, their Energy Advisor, Chris Stewart recommended replacing them with Remeha boilers due to their high-efficiency, reliability and quality.

It meant that the University, regularly commended for its outstanding facilities, could now add strong environmental credentials to its achievements.

At Trinity Building, a former church housing the University’s IT Department, two Gas 210 Eco Pro boilers replaced the 20-year-old existing boilers. Meanwhile, Burt Hall, the faculty of arts, design and social sciences for art conservation, replaced their equally inefficient, ageing boilers with two Gas 110 Eco boilers and upgraded the controls. The key targets were improved reliability and efficiency of heating for reduced energy usage, lower running costs and a lower carbon footprint – all of which the new boilers accomplished.

According to the University’s automated energy consumption metering system, monthly gas usage fell by 40% (Trinity Building) and 36% (Burt Hall) with a corresponding reduction in carbon emissions. At Trinity Building alone, gas bills were slashed by over £5,000 in just four months, cutting carbon emissions by 32 tonnes.

“We are extremely pleased with the performance of the Gas 210 Eco Pro and Gas 110 Eco boilers and the impressive savings they deliver.”

CHRIS STEWART, ENERGY ADVISOR AT NORTHUMBRIA UNIVERSITY CAMPUS SERVICES
The award-winning Historic Abbey Hotel in Bath needed to refurbish its boiler plant room to provide reliable and up-to-date levels of warmth and comfort for its guests while also improving the energy efficiency of this 18th century, Grade II-listed building.

Four Remeha Gas 210 Eco Pro five-section boilers were specified to replace the ageing heating plant in a complete redesign of the plant room. Thanks to the compact dimensions and back-to-back installation design of the Gas 210 Eco Pro, Glenn Fry of Neptune Building Services in Gloucester was able to configure the plant room layout to accommodate the high-efficiency boilers in the restricted space during a high occupancy period of 95% – without any inconvenience to guests. The four Remeha Gas 210 Eco Pro boilers, together with calorifiers, new heating circuits and a boosted domestic system, guarantee full backup and reliability of heat delivery. New BMS controls were added to enable accurate operation of the boilers and all other plant for further energy savings.
The National Library of Wales in Aberystwyth needed to provide reliable, efficient heating to help preserve the Library’s 6.5 million books and prized collections and archives while maximising the Library’s energy and carbon savings.

Maintaining reliable, closely-controlled heating was a critical requirement for the Library – so they were quick to act when boilers in two of the three plant rooms began to fail.

To meet the exacting environmental standards, contractors Aber Heating installed three Remeha Gas 310-500 Eco Pro boilers into the main boiler room and three Remeha Gas 610-1000 Eco Pro boilers into the bookstack boiler room where the collections are stored.

With two Remeha Gas 210 Eco Pro six-section boilers previously installed by Aber Heating into the third Library plant room, the National Library of Wales is now heated entirely by Remeha boilers. The compact dimensions of the boilers, which are delivered on wheels for ease of manoeuvrability into the plant room, enabled the installation to be carried out without any interruption to the heating service or impact on the Library’s thousands of visitors.

The new boilers are a major step forward in improving the resilience of our systems as well as delivering a step change in our environmental performance.

DAVID MICHAEL, DIRECTOR OF CORPORATE SERVICES, THE NATIONAL LIBRARY OF WALES
We are very pleased with the performance of the Fusion Hybrid system and the savings that it is already delivering.

GRAHAM HIPWELL, FACILITIES MANAGER, THE ORDERS OF ST JOHN CARE TRUST

Lake House, a 43-bed care home run by the Orders of St John Care Trust in Adderbury, Oxfordshire, needed to provide reliable low carbon heating.

A bespoke Remeha Fusion Hybrid heating system was installed. Fusion Hybrid is a unique heating system that combines two energy-saving Remeha technologies, Fusion Gas Absorption Heat Pumps (GAHPs) and Remeha Quinta Pro gas condensing boilers. At Lake House, the design of Fusion Hybrid was adapted to combine three externally-sited 35kW Fusion GAHPs, two Quinta Pro 45kW boilers on cascade and a 1,000 litre twin-coil buffer vessel. Given the need for plentiful hot water at the care home, we added the buffer vessel to increase the temperature of the cold water feed and lower the energy demand for hot water delivery. The components were all fully integrated through Remeha Touch, a specially-configured building management system which ensures easy operation of the system with the option for remote monitoring. Pulsed heat and gas meters, fitted to provide a constant flow of energy data, reveal that Fusion is achieving an outstanding seasonal efficiency of 140% for the care home and gas savings of up to 30%.

LAKE HOUSE

Fusion Hybrid system supplies low carbon heating for care home.

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WHAT ON EARTH WILL WE THINK OF NEXT?

Remeha, leading the way in innovation, reliability and efficiency for advanced commercial heating solutions that benefit customers, businesses and society.
GREAT BUILDINGS ARE ALL ABOUT THE DETAIL. THAT’S WHY WE SPECIFY REMEHA.

Chloe Agg, Mechanical Engineer for Cundall UK

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