



Specification Range Guide

Andrews. Built to perform.





Our Commercial Water Heaters

Our extensive range of water heaters are designed and manufactured by Andrews Water Heaters, the UK's number one supplier.

Available as instantaneous or storage, our water heaters guarantee a reliable supply of hot water and will stand up to even the most demanding of requirements.

We're focused on innovation, and continually evolve our products to ensure optimum performance, high

recovery rates and low running costs, not to mention energy efficiency and legislative compliance.

It's not just our products that make us top of the league. As active members of CIBSE, SoPHE and ICOM, our experts are at the forefront of setting industry standards, and offer unrivalled technical support for our customers every step of the way – from design and commissioning, to installation and maintenance.

Andrews offers a solution for every application:

- Hospitals and Health Care
- Sports and Leisure
- Hotels and Hospitality
- Emergency Services
- Schools, Colleges and Universities
- Outdoor Events and Festivals
- Laundry
- Health and Fitness
- Care Homes
- Military
- Catering

Six reasons it has to be Andrews



Britain's No.1

Established in 1976, Andrews is the leading supplier of gas-fired commercial water heaters in the UK.



Market-leading expertise

As active members of CIBSE, SoPHE and ICOM, we are at the forefront of setting industry standards, keeping our customers one step ahead of changing legislation.



Reliability you can trust

Our products are built to perform, even in the most demanding environments. We have a focus on innovation and our range is continually evolving to answer customer needs and exceed building regulations.



Unrivalled design support

Technical data sheets, BIM and CAD files are available online, 24 hours a day, 365 days a year.



Expert technical advice

You can rely on our dedicated team every step of the way from planning and commissioning to servicing and maintenance. We offer on and off-site assistance, including expert advice on system design and hydraulic schematics.



Exceptional aftersales service

You can trust in our continued support with commissioning visits and in-warranty service and repairs – and if you need expert engineer support, we're here for you round the clock with our 24/7 hotline.

Andrews is an Investors in People organisation. All of our systems and procedures meet the highest standards, including ISO 9001 (quality management) and ISO 14001 (environmental management).

Andrews. Built to perform.

Andrews Water Heaters Range Overview

Condensing



page 7

MAXXflo EVO

Delivers superior flow outputs and low NO_x for a class-leading performance, and is future-proofed with advanced BMS connectivity.



page 13

SUPAflo EVO

Produces a continuous supply of hot water and is designed for high demand environments that need high volumes of instant hot water.



page 19

ECOflo

Fully-condensing direct-fired efficient water heater suitable for large commercial properties where there's a high demand for hot water.



page 25

ECOflo COMPACT

High efficiency condensing floor-standing storage water heater designed to meet your toughest installation challenges and hot water demands.



page 29

COMBiflo

A range of condensing stainless-steel water heaters. With space heating capability, it produces both hot water and heating from a single heat generator and storage vessel enclosed in one cabinet.



page 33

FASTflo PLUS

Wall-hung condensing instant water heater. It's very easy to install with only three simple connections to fit.

Non-condensing



page 39

Hiflo EVO

High efficiency floor-standing storage water heater designed for bigger applications that require larger quantities of hot water.



page 43

CLASSICflo

Standalone gas-fired water heater that can be installed on vented or unvented systems. It's quick and easy to install, particularly as a replacement for existing water heaters.



page 46

CLASSICflo FAN FLUED

Has the addition of a fan assisted flue, making them the perfect choice for installations where longer flue runs are required.



page 49

CLASSICflo BALANCED

Offers all the advantages of the CLASSICflo but with the additional benefit of a balanced flue. The concentric flue system draws air from outside the building, making it suitable for properties where the air might be contaminated.

Size-IT - made to measure.



Size-it – the original sizing tool from the UK's number one in commercial water heating.

Size-it's comprehensive database allows you to manage, match and measure up the different parts for your property type and hot water requirements. It'll then recommend the most suitable Andrews Water Heaters solution for your job, along with a detailed summary report and all the technical information required to complete a hot water schedule.

- **Devices** – accessible online, on any device
- **Projects** – manage a portfolio of projects
- **Needs** – from efficiency credits to the latest UK legislation
- **Preferences** – user-friendly and intuitive.



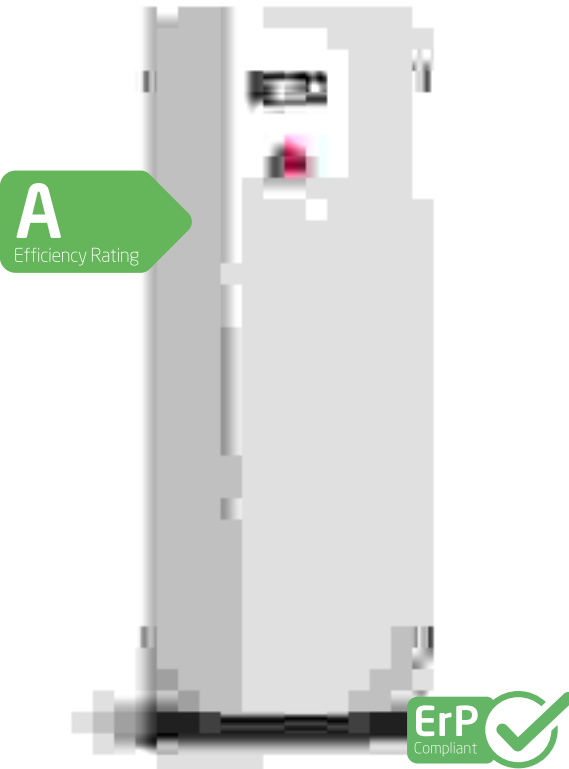
Size-it

Register today at sizeit.co.uk

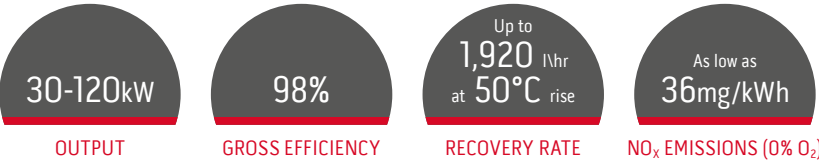
MAXXflo EVO Condensing Water Heater

Specifically designed to meet industry demands – it delivers low, future-proofed NO_x emissions. With efficiency of up to 98%, BMS connectivity offering 24/7 remote monitoring and a continuous supply of hot water with a 1920lt/hr recovery rate, it delivers class-leading performance.

Models available in 30, 60, 90 and 120kW outputs with 200 or 300 litre storage capacity.



Technical specification



Features

- 30 and 60kW single burners and twin burners between 90 and 120kW
- Independent service valves and pressure sensors on each heat exchanger in twin burner versions
- Low NO_x burners
- High efficiency modulating pumps (ErP rated A)
- Multi-line graphical display
- Ready to connect into BMS via Modbus protocol
- Full anti-legionella functions with strap-on sensor as standard

Benefits

- With fewer burners both commissioning and planned maintenance costs are minimised. Offering in-built redundancy and flexibility (90 and 120kW twin burners)
- Full built in redundancy and service flexibility as burners and heat exchangers can be isolated
- Compliant with and exceeds current legislative requirements
- Improved operating efficiencies with greater temperature control
- Access to live data, settings and history. Easy to use with full control of the burners and accurate charging of integral tank
- Easy integration into BMS for remote monitoring and control; identifies specific problems and maximises maintenance efficiency
- Control of secondary return circuit temperature and pump operation ensures protection against legionella and improves safety

Specifications

| | | | Model (Single Burner) | | | |
|-------------------|------------------------------------------------|----------|-----------------------|---------------|---------------|---------------|
| | | | CWH 30/201 | CWH 30/301 | CWH 60/201 | CWH 60/301 |
| Energy | Heat input net (gross) | kW | 28(31) | 28(31) | 56(62) | 56(62) |
| | Heat output | kW | 30.5 | 30.5 | 61 | 61 |
| | Gross thermal efficiency | % | 98 | 98 | 98 | 98 |
| | Standby heat loss | kWh/day | 1.68 | 2.26 | 1.68 | 2.26 |
| ErP | NO _x emissions (0% O ₂) | mg/kWh | 39 | 39 | 36 | 36 |
| | ErP efficiency rating | | A | A | A | A |
| | Water heater efficiency | % | 95 | 98 | 91 | 97 |
| | Noise level (EN15036-1 avg @1m) | dBA | 53 | 63 | 53 | 63 |
| Gas data | Gas flow rate (natural gas) | m³/hr | 2.95 | 2.95 | 5.95 | 5.95 |
| | Gas flow rate (propane) | m³/hr | 1.15 | 1.15 | 2.35 | 2.35 |
| Water | Storage capacity | litre | 200 | 300 | 200 | 300 |
| | Recovery rate through 50°C Δt | litre/hr | 480 | 480 | 960 | 960 |
| | Recovery rate through 56°C Δt | litre/hr | 429 | 429 | 856 | 856 |
| | Maximum operating pressure (unvented) | bar | 6 | 6 | 6 | 6 |
| | Minimum working pressure | bar | 0.8 | 0.8 | 0.8 | 0.8 |
| | Maximum static pressure | bar | 7.5 | 7.5 | 7.5 | 7.5 |
| Electrical | Fuse rating | amp | 5 | 5 | 5 | 5 |
| | Electrical power consumption - standby | W | 3.5 | 3.5 | 3.5 | 3.5 |
| | Electrical power consumption - max | W | 100 | 145 | 100 | 145 |
| | Electrical requirements | V | 220-240V/50Hz | 220-240V/50Hz | 220-240V/50Hz | 220-240V/50Hz |
| Misc | Weight full | kg | 370 | 485 | 380 | 490 |
| | Weight full empty | kg | 155 | 165 | 170 | 180 |
| | Maximum outlet temperature | °C | 65 | 65 | 65 | 65 |
| | Maximum flue gas temperature | °C | 90 | 90 | 90 | 90 |
| Service clearance | Front | mm | 800 | 800 | 800 | 800 |
| | Right side | mm | 200 | 200 | 200 | 200 |
| | Rear | mm | 200 | 200 | 200 | 200 |
| | Left side | mm | 300 | 300 | 300 | 300 |
| | Above | mm | 300 | 300 | 300 | 300 |
| Shipping | Shipping width | mm | 880 | 880 | 880 | 880 |
| | Shipping depth | mm | 1160 | 1160 | 1160 | 1160 |
| | Shipping height | mm | 2213 | 2213 | 2213 | 2213 |
| | Shipping weight | kg | 224 | 239 | 234 | 239 |

Specifications

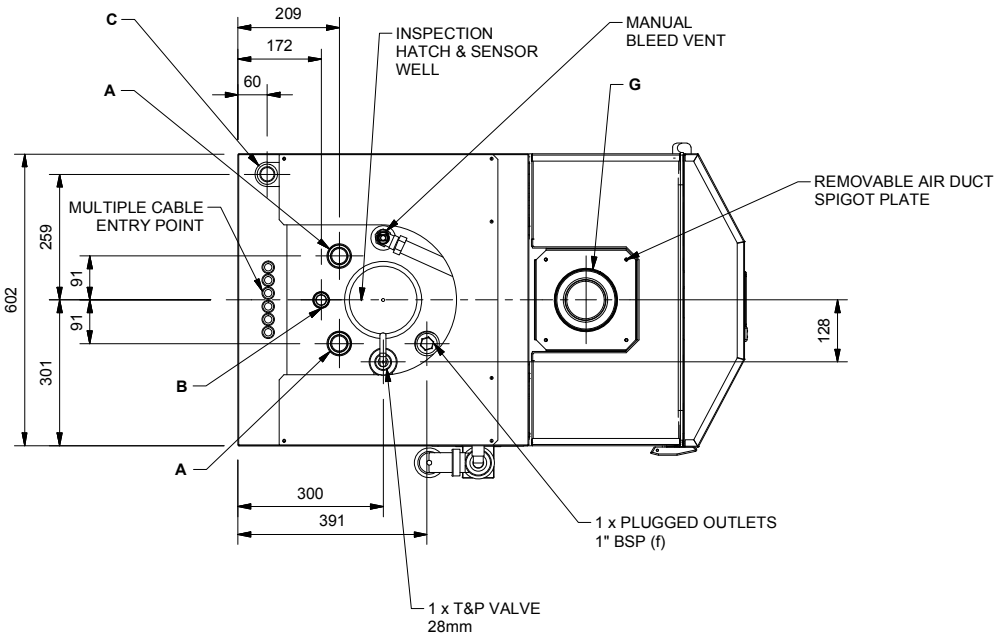
| | | | Model (Twin Burner) | |
|-------------------|------------------------------------------------|----------|---------------------|----------------|
| | | | CWH 90/302 | CWH 120/302 |
| Energy | Heat input net (gross) | kW | 84 (93) | 112(124) |
| | Heat output | kW | 91.6 | 122 |
| | Gross thermal efficiency | % | 98 | 98 |
| | Standby heat loss | kWh/day | 2.26 | 2.26 |
| ErP | NO _x emissions (0% O ₂) | mg/kWh | 39 | 36 |
| | ErP efficiency rating | | - | - |
| | Water heater efficiency | % | 91 | 90 |
| | Noise level (EN15036-1 avg @1m) | dBA | 62 | 65 |
| Gas data | Gas flow rate (natural gas) | m³/hr | 8.7 | 11.6 |
| | Gas flow rate (propane) | m³/hr | 3.5 | 4.7 |
| Water | Storage capacity | litre | 300 | 300 |
| | Recovery rate through 50°C Δt | litre/hr | 1440 | 1920 |
| | Recovery rate through 56°C Δt | litre/hr | 1286 | 1712 |
| | Maximum operating pressure (unvented) | bar | 6 | 6 |
| | Minimum working pressure | bar | 0.8 | 0.8 |
| | Maximum static pressure | bar | 7.5 | 7.5 |
| Electrical | Fuse rating | amp | 5 | 5 |
| | Electrical power consumption - standby | W | 5.5 | 5.5 |
| | Electrical power consumption - max | W | 210 | 290 |
| | Electrical requirements | V | 220-240V/50Hz | 220-240V/50Hz |
| Misc | Weight full | kg | 485 | 505 |
| | Weight full empty | kg | 185 | 205 |
| | Maximum outlet temperature | °C | 65 | 65 |
| | Maximum flue gas temperature | °C | 90 | 90 |
| Service clearance | Front | mm | 800 | 800 |
| | Right side | mm | 200 | 200 |
| | Rear | mm | 200 | 200 |
| | Left side | mm | 300 | 300 |
| | Above | mm | 300 | 300 |
| Shipping | Shipping width | mm | 880 | 880 |
| | Shipping depth | mm | 1160 | 1160 |
| | Shipping height | mm | 2213 | 2213 |
| | Shipping weight | kg | 254 | 274 |

Accessories / Flueing / Controls

| | 30/201, 30/301, 60/201 and 60/301 | 90/302 and 120/302 |
|-------------------------------------------------|--------------------------------------|-----------------------|
| Accessories | Sales code | Sales code |
| Unvented system kit | 7726954 | 7726954 |
| Set of 4 castors | 7709385 | 7709385 |
| Buffer-SS300-10, 300 litre stainless steel tank | 7735728 | 7735728 |
| Flueing | Sales code | Sales code |
| Horizontal flue kit | 7726957 | 7620230* |
| Vertical flue kit | 5103917 | 7620229 |
| 1m cuttable flue extension | 5136148 | 7726994 |
| 90° elbow | 5136151 | 7620232 |
| 45° elbow | 5136150 | 7726992 |
| Flat Roof Plate | E065 | E217 |
| Angled Roof Plate | E066 | E218 |
| Wall Bracket | 5136152 | E219 |
| Wall Guard | | E630 |
| Flue Condense Trap | 7726982 | 7620233 |
| Condense Bottle Trap | E211 | E211 |
| Condense Trap Pipe Kit | E261 | E261 |
| Controls | Sales code | Sales code |
| Clip in expansion module | 7720070 | 7720070 |

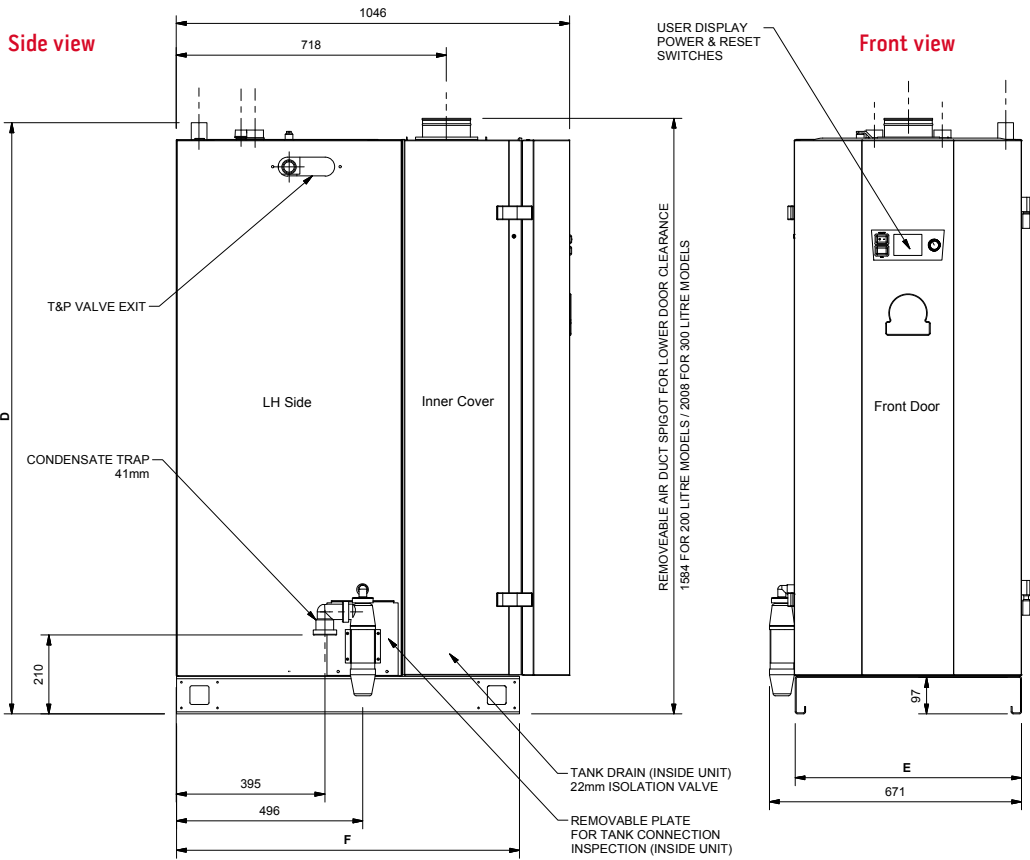
*there are no elbows included in kit 7620230

Top view



Dimensions

| | | Model | | | | | |
|---------------------------------------------|-----|---------------|---------------|---------------|---------------|---------------|----------------|
| | | CWH 30/201 | CWH 30/301 | CWH 60/201 | CWH 60/301 | CWH 90/302 | CWH 120/302 |
| A: Inlet/outlet connections | BSP | 1½ | 1½ | 1½ | 1½ | 1½ | 1½ |
| B: Return connection | BSP | 1 | 1 | 1 | 1 | 1 | 1 |
| C: Gas connection | BSP | ¾ | ¾ | ¾ | ¾ | ¾ | ¾ |
| D: Water heater height | mm | 1556 | 1980 | 1556 | 1980 | 1980 | 1980 |
| E: Width of water heater | mm | 602 | 602 | 602 | 602 | 602 | 602 |
| F: Water heater depth | BSP | 1046 | 1046 | 1046 | 1046 | 1046 | 1046 |
| G: Flue diameter – connection balanced flue | mm | 80/125 | 80/125 | 80/125 | 80/125 | 130/200 | 130/200 |





SUPAflo EVO Condensing Water Heater

SUPAflo EVO produces a continuous supply of hot water at a recovery rate of up to 9,230 litres an hour. Digital controls are built-in as standard for easy installation, diagnostics and maintenance. SUPAflo EVO is supplied with a high grade, stainless steel heat exchanger and bronze primary pump, delivering optimum efficiencies.

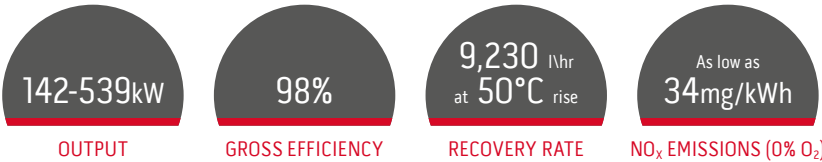
Designed to have a small footprint and fit through standard doorways, SUPAflo EVO is perfect for compact plant rooms and has built-in wheels for effortless manoeuvrability.

It's designed for high demand environments that need high volumes of instant hot water, such as health clubs, commercial laundrettes and manufacturing plants.

SUPAflo EVO is suitable for use on a conventional flue or twin pipe flue, and is recommended for installation with a direct buffer vessel.



Technical specification



Features

Benefits

| | |
|-----------------------------------------------------------|------------------------------------------------------------------------------------------------------|
| 98% gross efficiency | Energy efficient, cost effective operation |
| Hot water recovery of up to 9,230 litres per hour at 50°C | Satisfies the most demanding applications |
| Seven models, 142 to 539kW | Suitable for large commercial and industrial applications that require large quantities of hot water |
| High-quality, stainless steel heat exchanger | Very efficient and low maintenance |
| Compact, lightweight design with small footprint | Less space required for installation |
| Patented water cooled burner and integral flue burner | Low NO _x |
| Natural gas or LPG | Can be installed in off mains gas areas |

Specifications

| | | | Model | | | |
|------------|------------------------------------------------|--------------------|-------------------|-------------------|-------------------|-------------------|
| | | | SF61 EVO | SF62 EVO | SF63 EVO | SF64 EVO |
| Energy | Heat input (gross) | kW | 145 | 194 | 242 | 291 |
| | Heat output | kW | 142 | 190 | 238 | 286 |
| | Gross thermal efficiency | % | 98.2 | 98.2 | 98.2 | 98.2 |
| | Standby heat loss @ 70°C | % | 0.21 | 0.18 | 0.17 | 0.16 |
| ErP | NO _x emissions (0% O ₂) | mg/kWh | 38 | 38 | 36 | 36 |
| | Noise level | dBA | 70 | 70 | 70 | 70 |
| Gas data | Gas flow rate (natural gas) | m ³ /hr | 13.3 | 17.8 | 22.2 | 26.7 |
| | Gas flow rate (LPG) | kg/hr | 11.3 | 15.2 | 18.9 | 22.7 |
| Water | Storage capacity | litre | 27 | 31 | 35 | 61 |
| | Recovery rate through 50°C Δt | litre/hr | 2,434 | 3,257 | 4,080 | 4,903 |
| | Recovery rate through 56°C Δt | litre/hr | 2,173 | 2,908 | 3,643 | 4,378 |
| | Minimum working pressure | bar | 1 | 1 | 1 | 1 |
| | Maximum pressure | bar | 8 | 8 | 8 | 8 |
| Electrical | Voltage | volt/phase | 240V/single phase | 240V/single phase | 240V/single phase | 240V/single phase |
| | Fuse rating | amp | 10 | 10 | 10 | 10 |
| | Electrical power consumption | W | 176/48 | 267/48 | 286/53 | 230/50 |
| Misc | Weight full | kg | 317 | 363 | 371 | 495 |
| | Weight empty | kg | 290 | 332 | 336 | 434 |

Specifications

| | | | Model | | |
|------------|------------------------------------------------|--------------------|--------------|--------------|--------------|
| | | | SF65 EVO | SF66 EVO | SF67 EVO |
| Energy | Heat input (gross) | kW | 388 | 485 | 550 |
| | Heat output | kW | 381 | 477 | 540 |
| | Gross thermal efficiency | % | 98.3 | 98.3 | 98.2 |
| | Standby heat loss @ 70°C | % | 0.15 | 0.14 | 0.13 |
| ErP | NO _x emissions (0% O ₂) | mg/kWh | 36 | 34 | 34 |
| | Noise level | dBA | 77 | 77 | 77 |
| Gas data | Gas flow rate (natural gas) | m ³ /hr | 35.6 | 44.5 | 50.5 |
| | Gas flow rate (LPG) | kg/hr | 30.3 | 37.9 | 43 |
| Water | Storage capacity | litre | 68 | 75 | 82 |
| | Recovery rate through 50°C Δt | litre/hr | 6,531 | 8,177 | 9,257 |
| | Recovery rate through 56°C Δt | litre/hr | 5,832 | 7,301 | 8,265 |
| | Operating pressure (unvented) | bar | 3.5 | 3.5 | 3.5 |
| | Minimum working pressure | bar | 1 | 1 | 1 |
| | Maximum pressure | bar | 8 | 8 | 8 |
| Electrical | Voltage | volt/phase | 415V/3-phase | 415V/3-phase | 415V/3-phase |
| | Fuse rating | amp | 10 | 10 | 10 |
| | Electrical power consumption | W | 504/54 | 620/64 | 676/61 |
| Misc | Weight full | kg | 564 | 615 | 677 |
| | Weight empty | kg | 496 | 540 | 595 |

Takes some beating
without taking up space

SUPAflo EVO, built to perform even better by giving you high volume hot water instantly.

Delivering up to an impressive 9230 litres of hot water an hour, SUPAflo EVO gives instant hot water that won't let you down – even in demanding situations. It's super-efficient, not super-sized, features built-in wheels and fits through a standard doorway, giving you ease of installation.

Call our sales team on 0345 070 1055 or visit andrewswaterheaters.co.uk

Andrews. Built to perform.



Dimensions

| | | Model | | | | | | |
|--------------------------------|------|----------|----------|----------|-----------|-----------|-----------|-----------|
| | | SF61 EVO | SF62 EVO | SF63 EVO | SF64 EVO | SF65 EVO | SF66 EVO | SF67 EVO |
| A: Heater width | mm | 469 | 469 | 469 | 749 | 749 | 749 | 749 |
| B: Flue centre | mm | 235 | 235 | 235 | 375 | 375 | 375 | 375 |
| C: Air intake centre | mm | 131 | 131 | 131 | 149 | 149 | 149 | 149 |
| D: Flow and return pipe centre | mm | 104 | 104 | 104 | 129 | 129 | 129 | 129 |
| E: Length overall | mm | 1,349 | 1,499 | 1,649 | 1,348 | 1,496 | 1,646 | 1,769 |
| F: Length of body | mm | 1,165 | 1,315 | 1,465 | 1,152 | 1,302 | 1,452 | 1,602 |
| G: Height | mm | 1,456 | 1,456 | 1,456 | 1,456 | 1,456 | 1,456 | 1,456 |
| H: Height c/w wheels | mm | 1,466 | 1,466 | 1,466 | 1,466 | 1,466 | 1,466 | 1,466 |
| I: Flue height | mm | 482 | 482 | 482 | 490 | 490 | 490 | 490 |
| J: Return port height | mm | 602 | 602 | 602 | 601 | 601 | 601 | 601 |
| K: Air intake centre | mm | 1,128 | 1,128 | 1,128 | 1,135 | 1,135 | 1,135 | 1,135 |
| L: Gas connection height | mm | 1,130 | 1,130 | 1,130 | 1,156 | 1,156 | 1,156 | 1,156 |
| M: Return port | inch | 2 | 2 | 2 | DN65 PN16 | DN65 PN16 | DN65 PN16 | DN65 PN16 |
| N: Flow port | inch | 2 | 2 | 2 | DN65 PN16 | DN65 PN16 | DN65 PN16 | DN65 PN16 |
| O: Gas connection | inch | 1½ | 1½ | 1½ | 1½ | 1½ | 2 | 2 |
| P: Air intake diameter | mm | 130 | 130 | 130 | 130 | 130 | 150 | 150 |
| Q: Flue diameter | mm | 150 | 150 | 200 | 200 | 250 | 250 | 250 |
| R: Condense diameter | mm | 32 | 32 | 32 | 32 | 32 | 32 | 32 |

Andrews SUPAflo EVO is recommended for installation with a direct buffer vessel such as our 10 bar GL300, GL500, GL800 glass lined buffers.

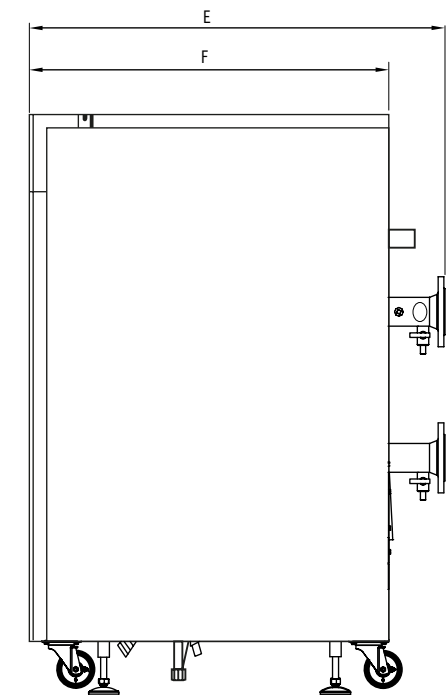
Compatible vessels

| | | Model | |
|----------------------|--|------------------|----------------------|
| | | SF61, 62, 63 EVO | SF64, 65, 66, 67 EVO |
| Buffer GL300-10-2" | | ✓ | |
| Buffer GL300-10-2" | | ✓ | |
| Buffer GL800-10-2.5" | | ✓ | ✓ |

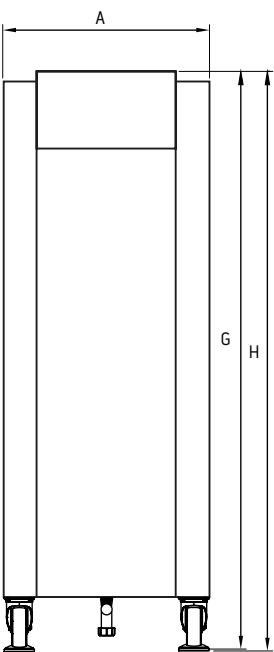
Accessories

| | | Model | |
|-----------------------|--|------------------|----------------------|
| | | SF61, 62, 63 EVO | SF64, 65, 66, 67 EVO |
| Sales code | | | |
| Complete unvented kit | | B312 | B313 |

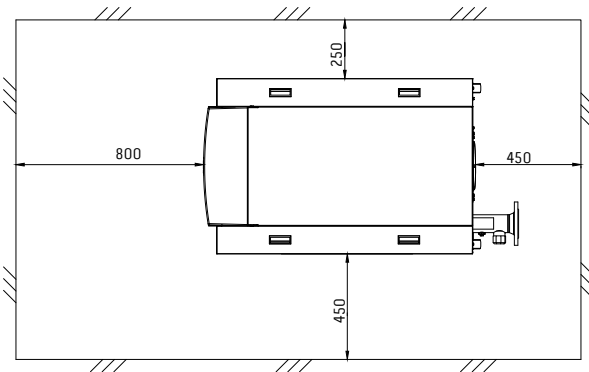
All models



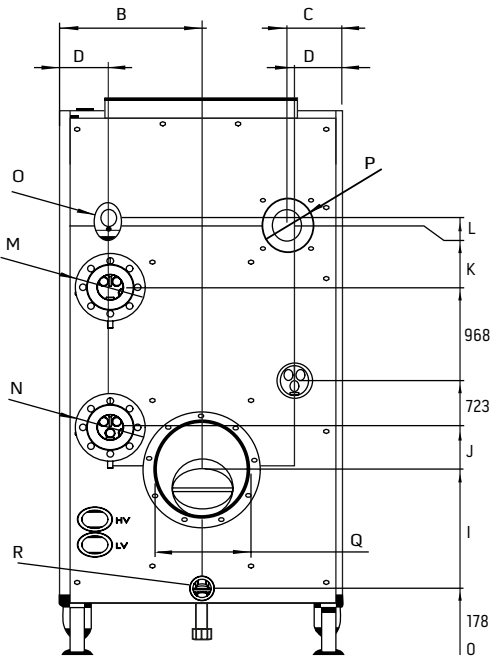
Side view



Front view



Top view



Rear view

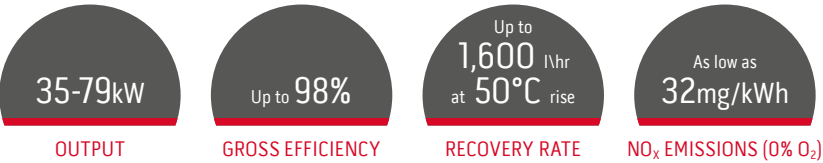
ECOflo Condensing Water Heater

The ECOflo range of storage water heaters are fully condensing, offering excellent energy efficiency, low NO_x and exceptional hot water recovery rates.

The Vitraglas[®] lined, thermally efficient tanks are protected by maintenance free anodes, and are equipped with a Hydrojet[®] sediment reduction system which enhances the performance and prolongs the life of the product.

ECOflo is suitable for installation on a conventional flue or a concentric balanced flue.

Technical specification



Features

Benefits

| | |
|-----------------------------------------------------------------------------------------------------------|---------------------------------------------------------------|
| Up to 98% gross efficiency | For energy efficient, cost effective operation |
| Recovery rates of up to 1,600 litres per hour | Can satisfy the most demanding applications |
| Vitraglas [®] lined storage tank and maintenance free, factory fitted Correx [®] anodes | Offering protection to the steel storage tank |
| Factory installed Hydrojet [®] sediment reduction system | Gives a longer and more efficient working life |
| Supported by a three year vessel warranty | Peace of mind for the customer |
| Two storage capacities available | Increased flexibility – larger storage option for peak demand |
| Room-sealed balanced or conventional flue | Ease of installation |
| Three pass flue system (unique and patented) | Increased efficiency |
| Ultra-quiet operation | Increased comfort |
| Electronic controls | Ease of use and maintenance |
| Factory installed Correx [®] powered anode system | Maintenance free |
| Large hand-hole clean-out opening | Easy inspection and cleaning |
| Natural gas or LPG | Available for off mains gas areas |

Specifications

| | | Model | | | |
|---------------|-------------------------------------------------|--------------------|-----------|-----------|-----------|
| | | EC230/600 | EC230/700 | EC230/960 | EC380/740 |
| Energy | Heat input (gross) | kW | 36.6 | 43.9 | 58.3 |
| | Heat output (gross) | kW | 35.1 | 41.3 | 54.2 |
| | Gross thermal efficiency | % | 96 | 94 | 93 |
| | Standby heat loss | kW/1/day | 0.0012 | 0.0013 | 0.00135 |
| ErP | NO _x emissions (0% O ₂) | mg/kWh | 33 | 37 | 40 |
| | ErP efficiency rating | | A | A | A |
| | Noise level* | dBA | 51 | 51 | 51 |
| Gas data | Gas flow rate (Natural Gas) | m ³ /hr | 3.41 | 4.09 | 5.43 |
| | Supply pressure (Natural Gas) | mbar | 21 | 21 | 21 |
| Water | Storage capacity | litre | 230 | 230 | 230 |
| | Recovery rate through 50°C Δt | litre/hr | 600 | 700 | 960 |
| | Recovery rate through 56°C Δt | litre/hr | 537 | 632 | 830 |
| | Operating pressure (unvented) | bar | 3.5 | 3.5 | 3.5 |
| | Minimum working pressure | bar | 0.8 | 0.8 | 0.8 |
| | Maximum pressure | bar | 10 | 10 | 10 |
| Electrical | Fuse rating | amp | 5 | 5 | 5 |
| | Electrical power consumption | W | 120 | 120 | 120 |
| | Electrical supply | | 230V/50Hz | 230V/50Hz | 230V/50Hz |
| Misc | Weight full | kg | 450 | 450 | 450 |
| | Weight empty | kg | 225 | 225 | 225 |
| | Maximum flue runs (concentric) | m | 16 | 16 | 16 |
| | Maximum flue runs (conventional) | m | 32 | 32 | 32 |
| Flue diameter | Conventional | mm | 100 | 100 | 100 |
| | Concentric | mm | 100/150 | 100/150 | 100/150 |
| Accessories | Plinth (150mm, required for all ECOflo models*) | | E923 | E923 | E923 |
| | Unvented system kit | | 7703930 | 7703930 | 7703930 |
| | LPG Conversion kit | | 7697588 | 7697589 | 7697590 |
| | BMS interface kit | | N/A | N/A | N/A |

*@ 2m from flue terminal
**Unless 150mm high plinth is to be made or already exists in plant room
***Unvented system kit Includes: Combined pressure reducing valve 3.5bar, check valve, pressure relief valve 6bar, 24 ltr expansion vessel c/w wall bracket, temperature/pressure relief valve 7 bar/95°C, tundish T/P brass adaptor, hose assembly.

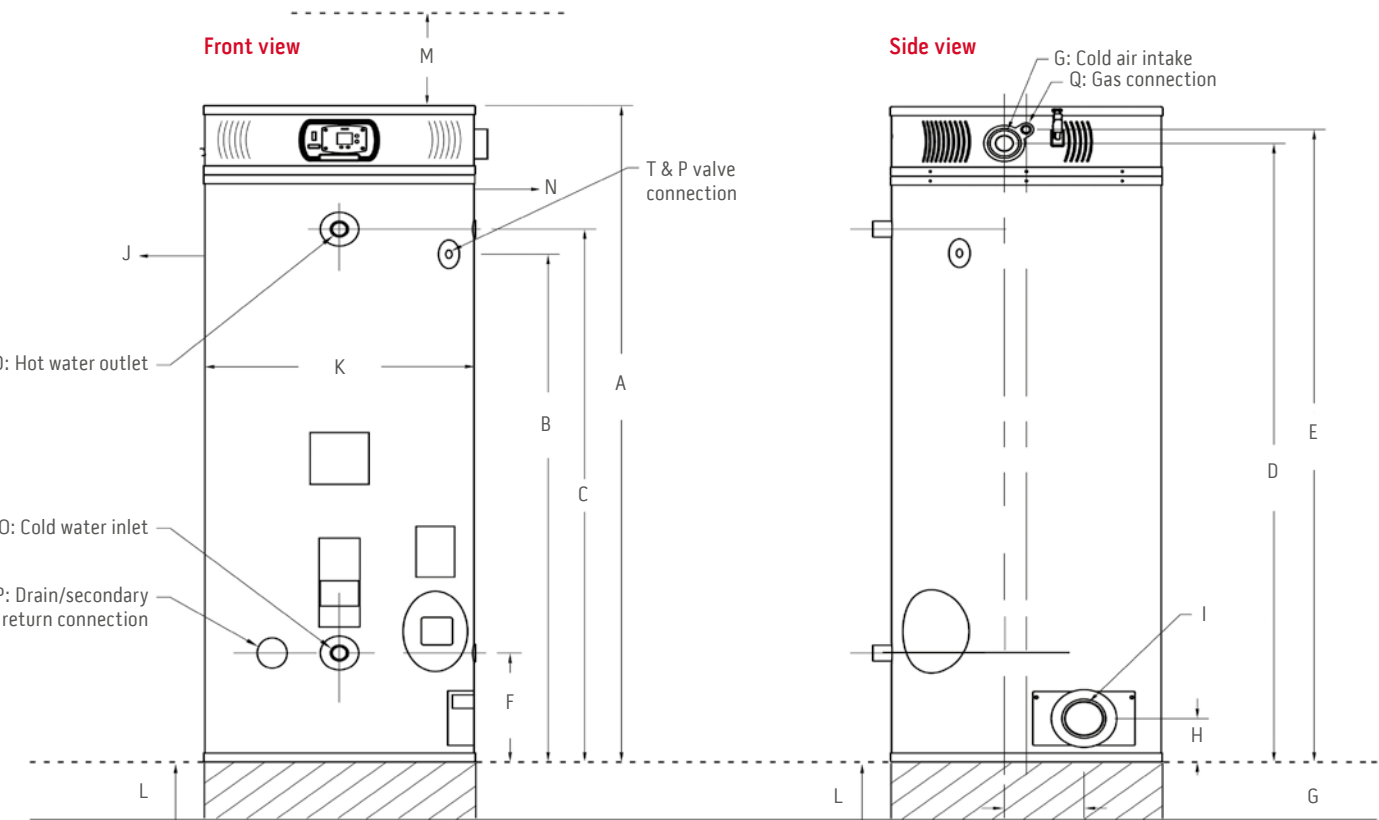
Specifications

| | | Model | | | |
|---------------|-------------------------------------------------|--------------------|------------|------------|-----------|
| | | EC380/980 | EC380/1220 | EC380/1400 | EC96/380 |
| Energy | Heat input (gross) | kW | 58.3 | 73.2 | 85 |
| | Heat output (gross) | kW | 57.1 | 71 | 79.1 |
| | Gross thermal efficiency | % | 98 | 97 | 93/96 |
| | Standby heat loss | kW/1/day | 0.00098 | 0.00115 | 0.00122 |
| ErP | NO _x emissions (0% O ₂) | mg/kWh | 40 | 40 | 55 |
| | ErP efficiency rating | | A | A | A |
| | Noise level* | dBA | 51 | 51 | 51 |
| Gas data | Gas flow rate (Natural Gas) | m ³ /hr | 5.43 | 6.82 | 7.92 |
| | Supply pressure (Natural Gas) | mbar | 21 | 21 | 21 |
| Water | Storage capacity | litre | 380 | 380 | 380 |
| | Recovery rate through 50°C Δt | litre/hr | 980 | 1,220 | 1,400 |
| | Recovery rate through 56°C Δt | litre/hr | 874 | 1,087 | 1,211 |
| | Operating pressure (unvented) | bar | 3.5 | 3.5 | 3.5 |
| | Minimum working pressure | bar | 0.8 | 0.8 | 0.8 |
| | Maximum pressure | bar | 10 | 10 | 10 |
| Electrical | Fuse rating | amp | 5 | 5 | 5 |
| | Electrical power consumption | W | 120 | 120 | 120 |
| | Electrical supply | | 230V/50Hz | 230V/50Hz | 230V/50Hz |
| Misc | Weight full | kg | 760 | 760 | 760 |
| | Weight empty | kg | 385 | 385 | 385 |
| | Maximum flue runs (concentric) | m | 16 | 16 | 16 |
| | Maximum flue runs (conventional) | m | 32 | 32 | 32 |
| Flue diameter | Conventional | mm | 100 | 100 | 100 |
| | Concentric | mm | 100/150 | 100/150 | 100/150 |
| Accessories | Plinth (150mm, required for all ECOflo models*) | | E923 | E923 | E923 |
| | Unvented system kit | | 7703930 | 7703930 | 7703930 |
| | LPG Conversion kit | | 7697592 | 7697593 | 7697594 |
| | BMS interface kit | | N/A | N/A | B329 |

*@ 2m from flue terminal
**Unless 150mm high plinth is to be made or already exists in plant room
***Unvented system kit Includes: Combined pressure reducing valve 3.5bar, check valve, pressure relief valve 6bar, 24 ltr expansion vessel c/w wall bracket, temperature/pressure relief valve 7 bar/95°C, tundish T/P brass adaptor, hose assembly.

Dimensions

| | | Model | | | |
|---------------------------------------------|------|-----------|-----------|-----------|-----------|
| | | EC230/600 | EC230/700 | EC230/960 | EC380/740 |
| A: Top of unit | mm | 1,448 | 1,448 | 1,448 | 1,972 |
| B: T&P connection valve | mm | 994 | 994 | 994 | 1,527 |
| C: Hot water outlet | mm | 1,067 | 1,067 | 1,067 | 1,600 |
| D: Centre of air intake | mm | 1,324 | 1,324 | 1,324 | 1,857 |
| E: Height of gas connection | mm | 1,366 | 1,366 | 1,366 | 1,899 |
| F: Cold water inlet | mm | 327 | 327 | 327 | 327 |
| G: Air inlet to flue exhaust outlet | mm | 210 | 210 | 210 | 210 |
| H: Flue exhaust outlet (from top of plinth) | mm | 130 | 130 | 130 | 130 |
| I: Flue diameter | mm | 100/150 | 100/150 | 100/150 | 100/150 |
| J: Left and rear clearance | mm | 100 | 100 | 100 | 100 |
| K: Diameter | mm | 718 | 718 | 718 | 718 |
| L: Plinth | mm | 150 | 150 | 150 | 150 |
| M: Top service clearance | mm | 450 | 450 | 450 | 450 |
| N: Right side clearance | mm | 500 | 500 | 500 | 500 |
| O: Hot and cold water connection | inch | 1½ | 1½ | 1½ | 1½ |
| P: Secondary return connection | inch | 1 | 1 | 1 | 1 |
| Q: Gas connection diameter | BSP | ¾ | ¾ | ¾ | ¾ |



NB: Heights are given from the bottom of the heater and exclude a plinth.
ECOflo must be sited 150mm above finished floor level in order to fit the flue condensate trap.

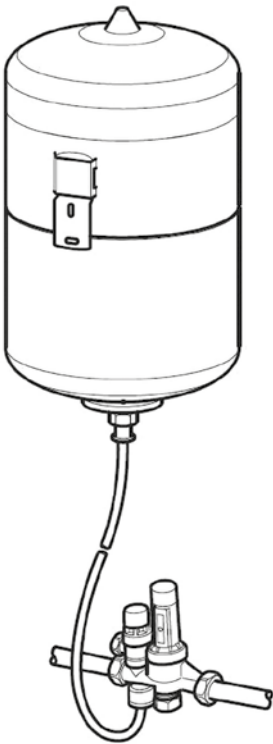
Dimensions

| | | Model | | | |
|---------------------------------------------|------|-----------|------------|------------|-----------|
| | | EC380/980 | EC380/1220 | EC380/1400 | EC 96/380 |
| A: Top of unit | mm | 1,972 | 1,972 | 1,972 | 1,972 |
| B: T&P connection valve | mm | 1,527 | 1,527 | 1,527 | 1,527 |
| C: Hot water outlet | mm | 1,600 | 1,600 | 1,600 | 1,600 |
| D: Centre of air intake | mm | 1,857 | 1,857 | 1,857 | 1,857 |
| E: Height of gas connection | mm | 1,899 | 1,899 | 1,899 | 1,899 |
| F: Cold water inlet | mm | 327 | 327 | 327 | 327 |
| G: Air inlet to flue exhaust outlet | mm | 210 | 210 | 210 | 210 |
| H: Flue exhaust outlet (from top of plinth) | mm | 130 | 130 | 130 | 130 |
| I: Flue diameter | mm | 100/150 | 100/150 | 100/150 | 100/150 |
| J: Left and rear clearance | mm | 100 | 100 | 100 | 100 |
| K: Diameter | mm | 718 | 718 | 718 | 718 |
| L: Plinth | mm | 150 | 150 | 150 | 150 |
| M: Top service clearance | mm | 450 | 450 | 450 | 450 |
| N: Right side clearance | mm | 500 | 500 | 500 | 500 |
| O: Hot and cold water connection | inch | 1½ | 1½ | 1½ | 1½ |
| P: Secondary return connection | inch | 1 | 1 | 1 | 1 |
| Q: Gas connection diameter | BSP | ¾ | ¾ | ¾ | ¾ |

Flueing

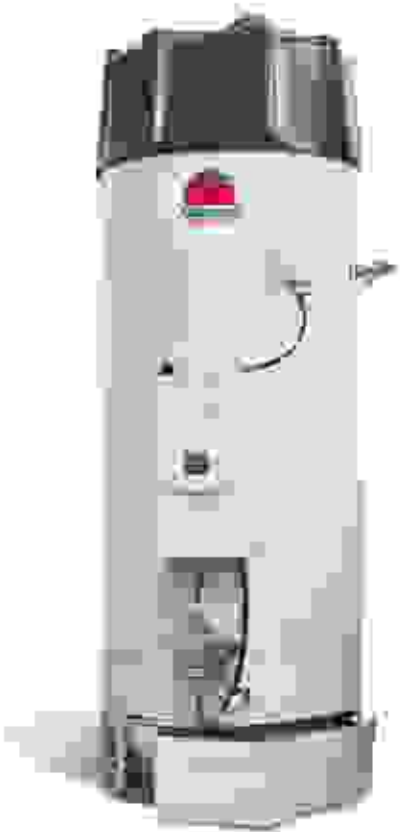
| | 230 | 380 |
|-----------------------|------------|------------|
| Flueing | Sales code | Sales code |
| Horizontal flue kit | B342 | B342 |
| Vertical flue kit | B344 | B344 |
| 1 metre cuttable flue | 5136159 | 5136159 |
| 0.5 metre flue | 5136160 | 5136160 |
| 90° bend | 5136162 | 5136162 |
| 45° bend | 5136161 | 5136161 |
| Flat roof plate | E207 | E207 |
| Angled roof plate | E208 | E208 |
| Wall clamp | 5136163 | 5136163 |
| Flue condensate trap | E210 | E210 |
| Siphon | E211 | E211 |
| Wall terminal guard | E105 | E105 |

Unvented system kit





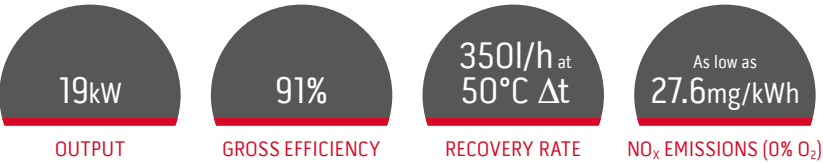
ECOflo COMPACT Condensing Water Heater



The ECOflo COMPACT is a high efficiency condensing floor-standing storage water heater designed to meet your toughest installation challenges and hot water demands. The ECOflo COMPACT is available as a 20/190 litre model.

With its extremely compact design, the ECOflo COMPACT can be installed individually or as part of a multiple installation for flexible design. Its high recovery rates can satisfy the most demanding applications whilst its high gross efficiencies ensure energy efficient, cost-effective operation.

Technical specification



Features

- Supplied with fittings pack – including draught diverter, gas cock and water drain
- Low NO_x, 27.6mg
- LCD controls
- Improved gross thermal efficiency
- Auto ignition as standard
- Hydrojet® sediment reduction system
- Natural gas or LPG

Benefits

- Easy installation and ready to go, straight out of the box
- Future proofed to the next level of ErP
- Easy control and fault diagnostics
- More efficient use of fuel and lower running costs
- More efficient use of fuel saving energy and costs
- Longer and more efficient working life
- Available for off mains gas areas

Specifications

| | | | Model |
|------------|--------------------------------------------------------|--------------------|-----------|
| | | | 20/190 NG |
| Energy | Heat input (net) | kW | 21.1 |
| | Heat output (gross) | kW | 19 |
| | Gross thermal efficiency | % | 91% |
| ErP | NO _x emissions (0% O ₂) Class 6 | mg/kWh | 27.2 |
| | NO _x emissions (0% O ₂) Class 6 | ppm | 15 |
| | ErP efficiency rating | | A |
| | Noise level | dBA | 49.3 |
| Gas data | Gas flow rate (natural gas) | m ³ /hr | 1.5 |
| Water | Storage capacity | litre | 189 |
| | Recovery rate through 50°C Δt | litre/hr | 350 |
| | Recovery rate through 56°C Δt | litre/hr | 297 |
| | Operating pressure (nominal) | bar | 3.5 |
| | Minimum working pressure | bar | 0.8 |
| | Maximum pressure | bar | 10 |
| Electrical | Fuse rating | amp | 5 |
| | Electrical power consumption | W | 300 |
| | Electrical requirements | A | 230 |
| Misc | Weight full | kg | 305 |
| | Weight empty | kg | 124 |
| | Maximum outlet temperature | °C | 80 |
| | Maximum flue gas temperature | °C | 50 |
| Shipping | Shipping width | mm | 778 |
| | Shipping depth | mm | 699 |
| | Shipping height | mm | 1890 |
| | Shipping weight | kg | 135 |

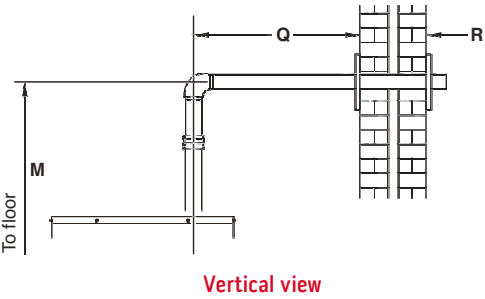
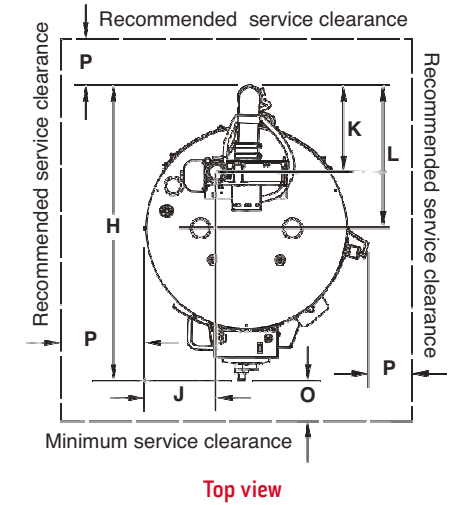
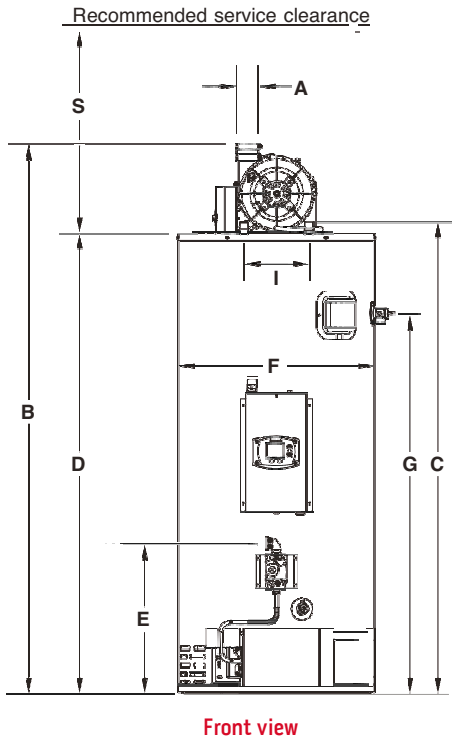
Dimensions

| | | Model |
|-----------------------------|------------|-----------|
| | | 20/190 NG |
| A: Flue diameter | mm | 60 |
| B: Height to flue | mm | 1790 |
| C: Height to connections | mm | 1,440 |
| D: Height to heater | mm | 1,429 |
| E: Height to gas connection | mm | 460 |
| F: Diameter of heater | mm | 610 |
| G: Height to T&P valve | mm | 1,180 |
| H: Depth of heater | mm | 892 |
| I: Connection centre | mm | 203 |
| J: Flue centre | mm | 216 |
| K: Flue centre to rear | mm | 254 |
| L: Connections to rear | mm | 406 |
| M: Flue centre to floor | mm | 1,995 |
| O: Front service clearance | mm | 600 |
| P: Side service clearance | mm | 300 |
| Q: Flue centre to wall | mm | 555-7000 |
| | (555-7000) | |
| R: Wall thickness | mm | 150-300 |
| | (555-7000) | |
| S: Top service clearance | mm | 450 |

Accessories / Flueing

| | 20/190 NG |
|------------------------------------|------------|
| Accessories | Sales code |
| Correx® powered anode kit | 7709231 |
| BMS remote enable kit | 7705367 |
| Unvented system kit* | 7703928 |
| LPG conversion kit | 7722656 |
| Flueing | Sales code |
| Horizontal flue kit | 7697176 |
| Vertical flue kit | 7697174 |
| 1 metre length cuttable flue | 7697185 |
| Adjustable flue extension | 7697186 |
| 90° bend | 7697182 |
| 45° bend | 7697183 |
| Vertical terminal guard | 7697179 |
| Horizontal terminal | 7697181 |
| Weather slate angled 25°- 45° | 7697177 |
| Weather slate flat | 7697178 |
| Air cover for wall & roof terminal | 7697187 |

*Unvented system kit includes: Combined pressure reducing valve 3.5bar, check valve, pressure relief valve 6bar, 24 ltr expansion vessel c/w wall bracket, temperature/ pressure relief valve 7bar/95°C, tundish T/P brass adaptor, hose assembly.





COMBiflo Condensing Water Heater

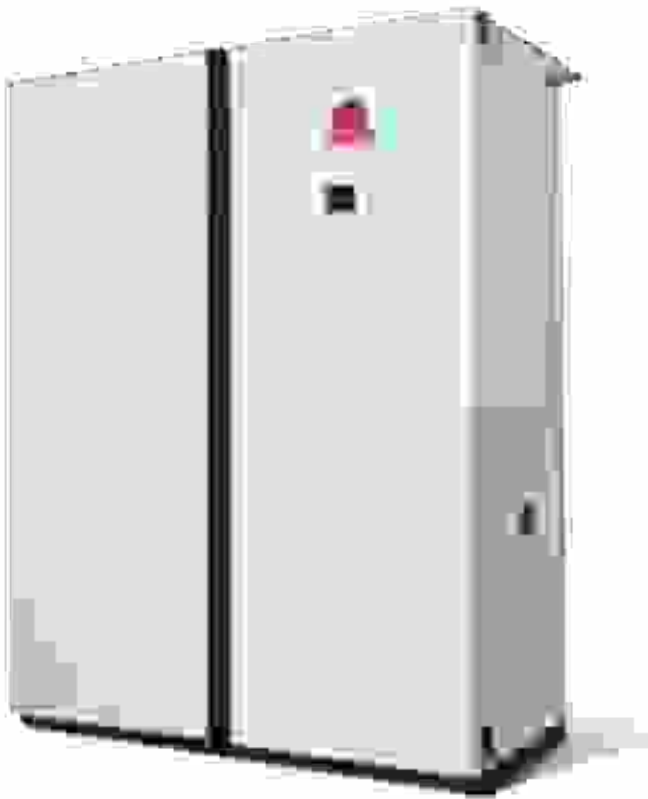
The COMBiflo condensing stainless steel water heater, with space heating capability, produces both hot water and heating from a single heat generator and storage vessel enclosed in one cabinet.

Combining up to three gas-fired heat exchangers ensures a virtually instantaneous supply of up to 2,240 litres per hour of hot water (at a 50°C rise) or 150kW of space heating.

Available in two outputs – 100 and 150kW, both with a 300 litre stainless steel storage tank – the COMBiflo can also be combined in multiples where even greater volumes of hot water or heating are required.

COMBiflo is suitable for installation on a conventional flue or a concentric balanced flue.

Technical specification



Features

- Pre-packaged hot water and heating in one cabinet
- Combined space and domestic hot water heater
- Compact and lightweight design that can be split into two parts
- Almost instantaneous hot water generation of up to 2,240 litres/hr and small integral 300 litre storage tank
- Up to three gas-fired heat exchangers
- Natural gas or LPG
- ErP rated internal pump and circulators
- WRAS approved
- Immersion heater boss

Benefits

- Quick and easy to install, saving time onsite
- No need for separate appliances, saving space and particularly suitable for smaller plant rooms with space constraints
- Easy to manoeuvre within a building; suitable for retrofit applications where plant rooms and/or access space may be limited
- Reduction in standing heat losses and levels of hot water generation, saving energy and costs
- Built in redundancy ensures a constant supply of hot water or heating
- Available for off mains gas areas
- Improved operating efficiency and performance
- Complies with the Water Supply (Water Fittings) Regulations and Scottish Byelaws
- Improved reliability – hot water back-up

Specifications

| | | Model | |
|------------|-------------------------------------------------------------|------------------------|------------------------|
| | | 100 | 150 |
| Energy | Heat input gross (net) | kW | 102.2 (94.0) |
| | Nominal heat output @ 80/60°C | kW | 10.2 – 91.5 |
| | Nominal heat output @ 50/30°C | kW | 11.0 – 99.0 |
| | Standby heat loss | W/day | 140 |
| ErP | NO _x emissions (0% O ₂) Class 6 | mg/kWh | 39 |
| | NO _x emissions (0% O ₂) Class 6 | ppm | 22.0 |
| | ErP efficiency rating | N/A | N/A |
| | Noise level (EN15036-1 average @ 1m) | LAeq | 61 |
| Gas data | Gas flow rate (natural gas) | m³/hr | 9.8 |
| | Gas flow rate (LPG) | kg/hr | 3.9 |
| | CO ₂ @ maximum/minimum output | % | 9.2/8.7 |
| | CO @ maximum/minimum output | ppm | 128/3 |
| | NO _x class | 6 | 6 |
| Heating | Efficiency heat output at part load (EN15502-1) gross (net) | % | 98.1 (108.9) |
| | Efficiency heat output at full load (EN15502-1) gross (net) | % | 87.7 (97.3) |
| | Seasonal efficiency (Building regs part 2) | % | 96.1 |
| | Maximum permitted system temperature | °C | 82 |
| | Hydraulic resistance 20°C Δt | kPa | 0.5 |
| | Condense rates | litre/hr | 10 |
| Water | Storage capacity | litre | 300 |
| | Recovery rate through 50°C Δt | litre/hr | 1,520 |
| | Recovery rate through 56°C Δt | litre/hr | 1,357 |
| | Operating pressure (nominal) | bar | 3.5 |
| | Minimum working pressure | bar | 0.8 |
| | Maximum pressure (vented) | bar | 6 |
| | Maximum pressure (unvented) | bar | 5.5 |
| | Tank construction | Stainless steel type 6 | Stainless steel type 6 |
| Electrical | Fuse rating | amp | 5 |
| | Power supply | V | 240V/50Hz |
| | Electrical power consumption | W | 285 |
| | Maximum power consumption | A | 1.2 |
| | IP rating | IP | 20 |
| Misc | Weight full | kg | 608 |
| | Weight empty | kg | 290 |
| | Flue diameter | mm | 130 |
| | Flue system classification | N/A | B23, C13, C33 and C53 |
| | Maximum flue runs (single/concentric) | m | 30/14 |
| | Flue gas temperature (maximum/minimum) | °C | 79/50 |
| | Concentric flue size | mm | 130/200 |

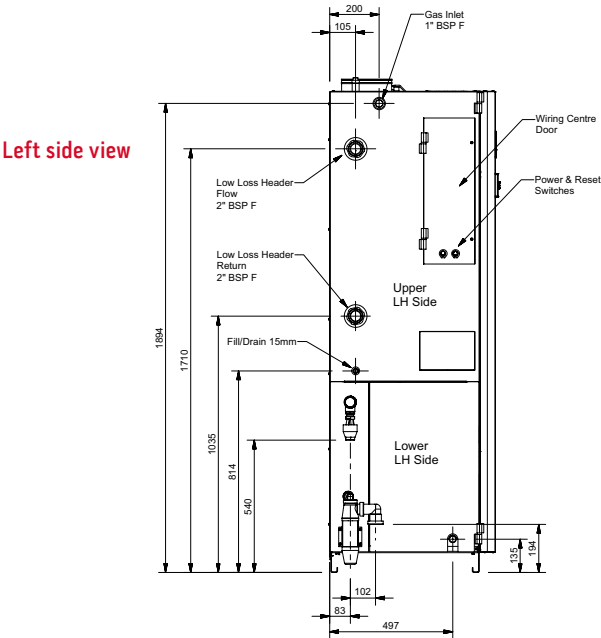
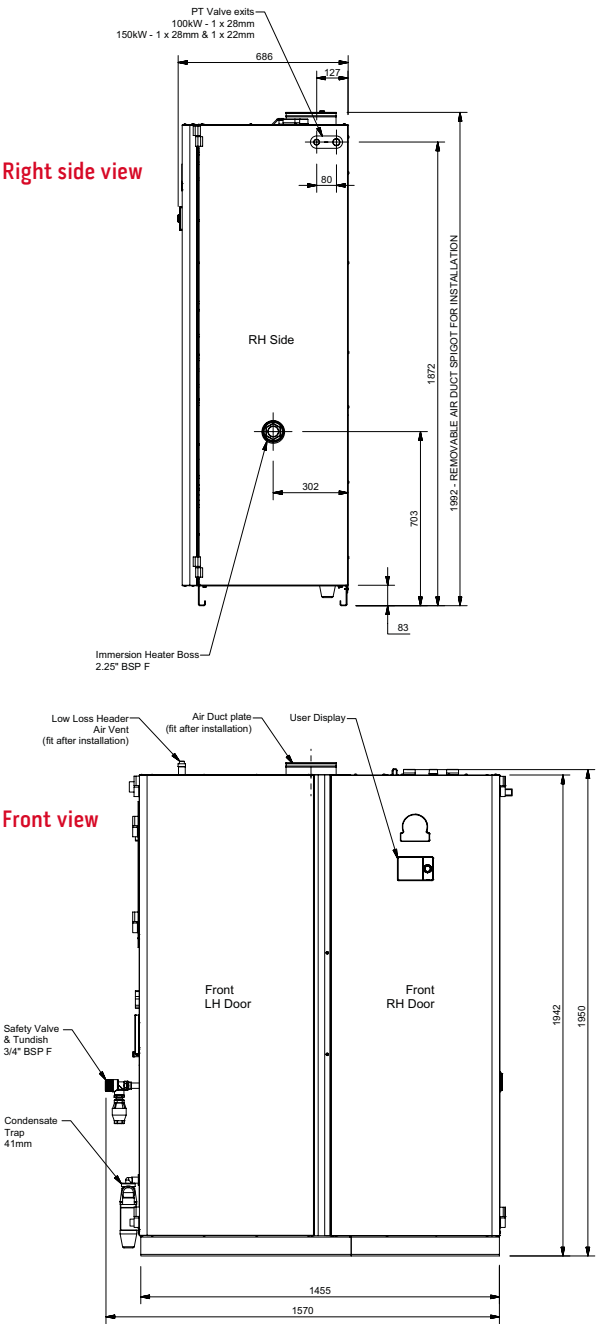
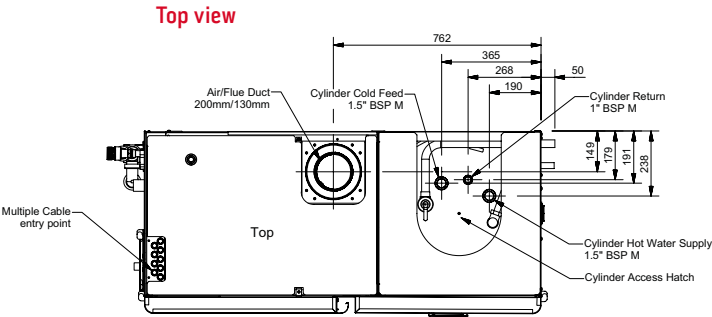
Accessories / Flueing / Controls

| | 100 150 |
|-----------------------------------------------------|------------|
| Accessories | Sales code |
| Unvented system kit | B328 |
| Flueing | Sales code |
| Angled roof flashing 200mm | E218 |
| Concentric flue length 1m 130/200mm FEL 1.0 | E212 |
| Concentric flue length (cuttable) 130/200mm FEL 1.0 | E213 |
| Concentric flue length 0.5m 130/200mm FEL 0.5 | E214 |
| Concentric 45° bend 130/200mm FEL 0.5 | E216 |
| Concentric 90° elbow 130/200mm FEL 1.0 | E215 |
| Flat roof flashing 200mm | E217 |
| Flue condense trap 130/200 FEL 1.5 | E220 |
| Flue condense bottle trap 130/200 | E211 |
| Flue wall clamp 200mm | E219 |
| Horizontal flue kit 130/200mm FEL 2.0 | B262 |
| Horizontal flue terminal guard | E630 |
| Vertical flue kit 130/200mm FEL 1.6 | B263 |
| Controls | Sales code |
| QAC 34 outside sensor | 5104726 |
| QAD 36 flow sensor | 5103867 |
| RGB room controller (QAA55) | 5138511 |
| RGT room controller module (QAA75) | 5117802 |
| Commissioning tool | 5141599 |

Service clearance

| Front | Sides | Rear | Above |
|------------|--------------------------|------|-------|
| All models | | | |
| 800mm | L/H 600mm* R/H 300mm* | 0 | 350mm |

*R/H immersion 600 mm

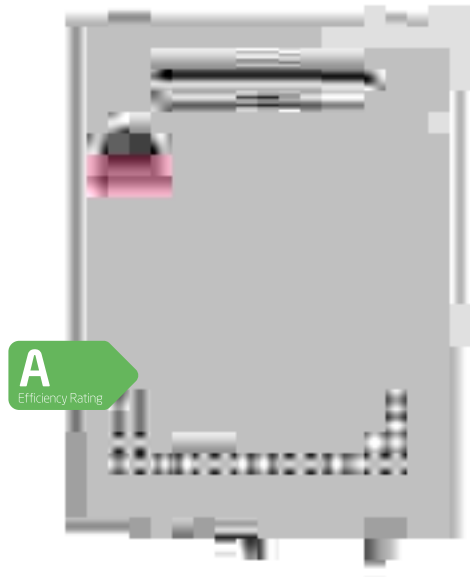




FASTflo PLUS Continuous Flow Water Heater

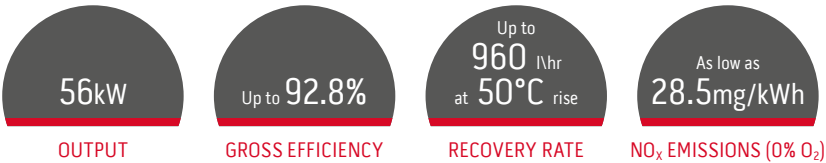
For situations where a continuous flow of hot water is required, FASTflo PLUS offers a very compact, reliable and robust solution. FASTflo PLUS can be combined in multiples of up to six units to provide a plentiful supply of instant hot water. The units are wall-hung with internal and external options, and are suitable for both natural gas and LPG. FASTflo PLUS is a fully condensing range.

FASTflo PLUS are suitable for installation on a conventional flue or a concentric balanced flue.



Product shown FASTflo PLUS WHiCX56 – external

Technical specification



Features

- Up to 16 litres per minute
- Internal or external models available
- Copper-finned tube heat exchanger
- 5:1 fully modulating burner
- Flexible flueing options
- Low NO_x
- Factory fitted frost protection
- Natural gas and LPG

Benefits

- Satisfies the most demanding applications
- Flexible siting, especially where space is at a premium
- Low maintenance, reliable and robust
- Adjusts the burner to meet the desired water temperature with no standby heat loss
- Suits most applications
- Environmental savings and compliant with latest legislation
- Can be installed externally and in areas without heating (external model only)
- Improved flexibility for siting – especially in remote areas

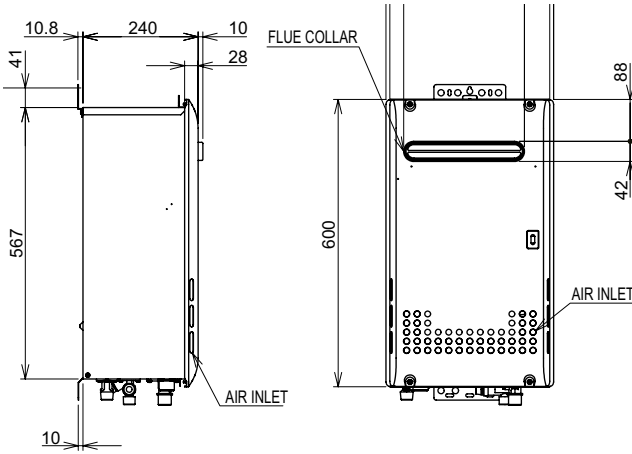
Natural gas specifications

| | | | WHiC56 | WHiCX56 |
|-------------------|------------------------------------------------|-----------|---------|---------|
| Product code | | | 7689819 | 7689821 |
| Energy | Heat input (net) | kW | 54 | 53.5 |
| | Heat output (gross) | kW | 56 | 56 |
| ErP | NO _x emissions (0% O ₂) | mg/kWh | 43.8 | 28.5 |
| | ErP efficiency rating | | A | A |
| | Water heater efficiency | % | 91.2 | 91.9 |
| | Noise level | dBA | 58 | 62 |
| Water | Hot water capacity at 25°C rise | litre/min | 32 | 32 |
| | Hot water capacity at 50°C rise | litre/min | 16 | 16 |
| | Operating pressure (unvented) | bar | 2 | 2 |
| | Minimum working pressure | bar | 1 | 1 |
| | Maximum pressure | bar | 10 | 10 |
| Electrical | Fuse rating | amp | 10 | 10 |
| | Electrical power consumption | W | 75.9 | 75.9 |
| | Electrical requirements | V | 230 | 230 |
| Misc | Weight empty | kg | 32 | 32 |
| | Maximum outlet temperature | °C | 80 | 80 |
| Dimensions | Flue diameter - conventional flue | mm | 100 | n/a |
| | Flue diameter - concentric balanced flue | mm | n/a | n/a |
| Service clearance | Front | mm | 600 | 600 |
| | Sides | mm | 200 | 150 |
| | Above | mm | 300 | 300 |
| Shipping | Shipping width | mm | 578 | 578 |
| | Shipping depth | mm | 359 | 359 |
| | Shipping height | mm | 780 | 780 |
| | Shipping weight | kg | 37 | 37 |

LPG specifications

| | | | Model | | | |
|-------------------|------------------------------------------------|-----------|---------|---------|---------|----------|
| | | | LWHi49 | LWHiX49 | LWHiC56 | LWHiCX56 |
| Product code | | | 7689844 | 7689846 | 7689821 | 7689822 |
| Energy | Heat input (net) | kW | 53.5 | 53.5 | 54 | 53.5 |
| | Heat output (gross) | kW | 49 | 49 | 56 | 56 |
| ErP | NO _x emissions (0% O ₂) | mg/kWh | 48.8 | 36.8 | 42.3 | 50.3 |
| | ErP efficiency rating | | B | B | A | A |
| | Water heater efficiency | % | 81 | 80 | 90.6 | 92.8 |
| | Noise level | dBA | 61 | 66 | 58 | 62 |
| Water | Hot water capacity at 25°C rise | litre/min | 28 | 28 | 32 | 32 |
| | Hot water capacity at 55°C rise | litre/min | 14 | 14 | 16 | 16 |
| | Operating pressure (unvented) | bar | 2 | 2 | 2 | 2 |
| | Minimum working pressure | bar | 1 | 1 | 1 | 1 |
| | Maximum pressure | bar | 10 | 10 | 10 | 10 |
| Electrical | Fuse rating | amp | 10 | 10 | 10 | 10 |
| | Electrical power consumption | W | 81 | 75.9 | 75.9 | 75.9 |
| | Electrical requirements | V | 230 | 230 | 230 | 230 |
| Misc | Weight empty | kg | 28 | 26 | 32 | 32 |
| | Maximum outlet temperature | °C | 80 | 80 | 80 | 80 |
| Dimensions | Flue diameter - conventional flue | mm | n/a | n/a | 100 | n/a |
| | Flue diameter - concentric balanced flue | mm | 80-125 | n/a | n/a | n/a |
| Service clearance | Front | mm | 600 | 600 | 600 | 600 |
| | Sides | mm | 100 | 150 | 200 | 150 |
| | Above | mm | 300 | 300 | 300 | 300 |
| Shipping | Shipping width | mm | 425 | 425 | 578 | 578 |
| | Shipping depth | mm | 361 | 321 | 359 | 359 |
| | Shipping height | mm | 789 | 776 | 780 | 780 |
| | Shipping weight | kg | 33 | 31 | 37 | 37 |

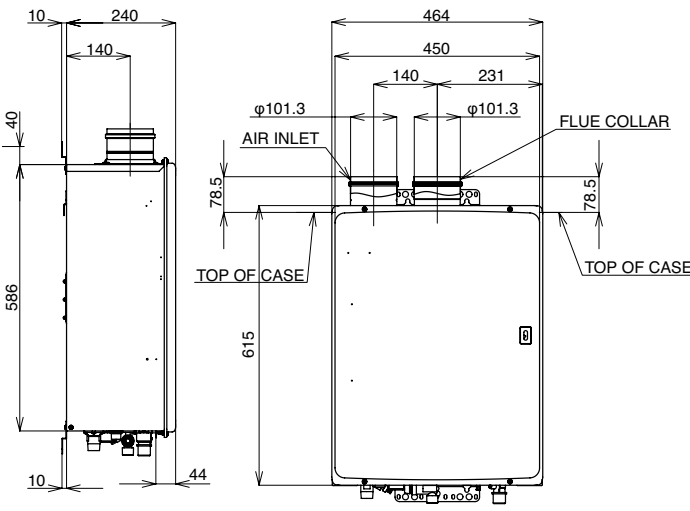
WHiX56



External side view

External front view

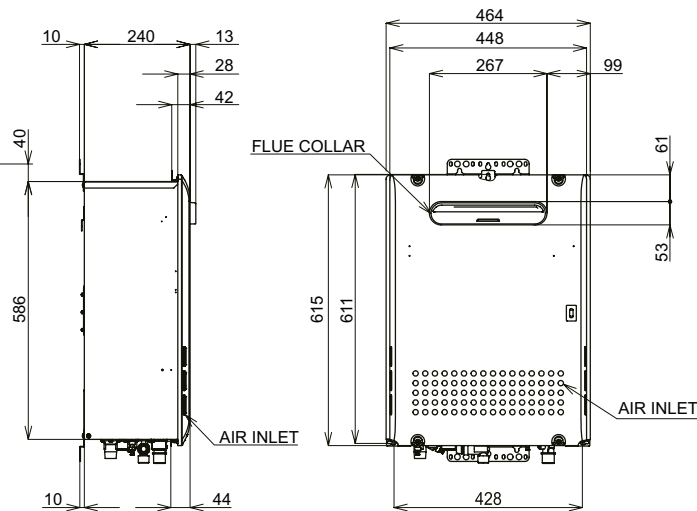
WHiC56



Internal side view

Internal front view

WHiCX56



External side view

External front view

Flueing

WHiC56 LWHiC59

| Flueing | Sales code |
|--------------------------------------|------------|
| Horizontal flue kit | 7705315 |
| Vertical flue kit | 7705316 |
| 1 metre cuttable flue length 100/150 | 5136159 |
| 0.5 metre flue length 100/150 | 5136160 |
| 45° bend 100/150 | 5136161 |
| 90 ° bend 100/150 | 5136162 |
| Wall bracket 150 mm | 5136163 |
| Siphon kit c/w condensate trap | 5136164 |
| Locking clamp 150 mm | 5136165 |
| Flat roof plate 150 mm | 7704831 |
| Angled roof plate 150 mm | 7704832 |
| Wall terminal guard | E105 |

Accessories / Controls

ALL

| Accessories | Sales code |
|-------------------------------------------------------------------------|------------|
| Unvented system kit – FASTflo PLUS | 7711996 |
| Unvented system kit – multiple units | 7711997 |
| 3 speed bronze pump kit | B249 |
| Controls | Sales code |
| Remote controller kit* | 7705368 |
| Quick connect kit for linking any two units* | 7705369 |
| System controller kit for cascade of up to 3 to 6 heaters x 56kW units* | 7705370 |

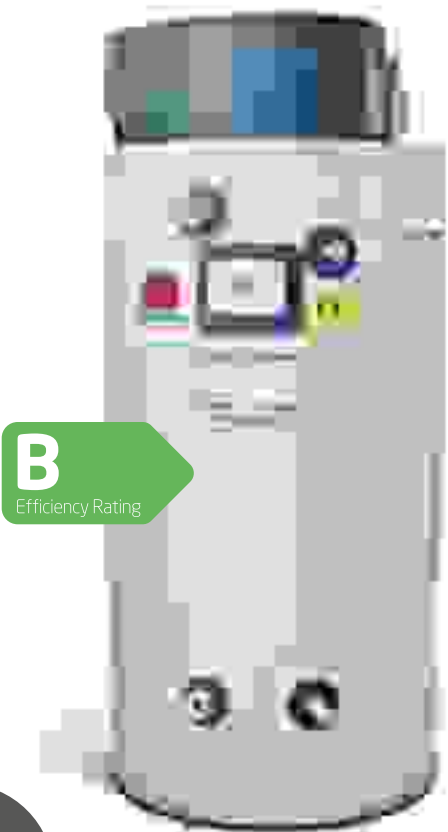
*a controller kit is required with every FASTflo PLUS Range installation



HiFlo EVO Gas Fired Storage Water Heater

The HiFlo EVO is a high efficiency, floor-standing storage water heater suitable for applications that require larger quantities of hot water. Five models are available ranging from 30 to 65kW, all with top or side water connections to offer flexible installation options.

HiFlo EVO is suitable for installation on a conventional flue.

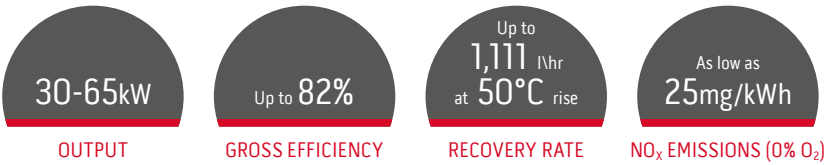


B
Efficiency Rating

Model shown 65/173



Technical specification



Features

- Five models from 30-65kW
- Top or side mounted water connections
- A recovery rate of up to 1,111 litres per hour
- Factory installed Hydrojet® sediment reduction system
- Inspection door fitted to all models
- Low NO_x 25-39mg
- Natural gas or LPG

Benefits

- Wide range to suit many applications
- Flexible installation options for the installer
- Excellent hot water performance
- Gives a longer and more efficient working life
- Assists access for maintenance and service
- Environmental savings and compliant with latest legislation
- Available for off mains gas areas

Specifications

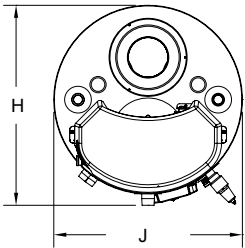
| | | | Model | | | | |
|-------------------|------------------------------------------------|----------|-----------|-----------|-----------|-----------|-----------|
| | | | HF 30/300 | HF 48/300 | HF 65/300 | HF 48/380 | HF 65/380 |
| Product code | | | 7697158 | 7697159 | 7697160 | 7697161 | 7697162 |
| Energy | Heat input (net) | kW | 37 | 59 | 79 | 59 | 79 |
| | Heat output (gross) | kW | 30 | 48 | 65 | 48 | 65 |
| | Gross thermal efficiency | % | 81% | 81% | 82% | 81% | 82% |
| | Standby heat loss | kWh/day | 8.02 | 8.66 | 9.29 | 9.43 | 10.03 |
| | | | | | | | |
| ErP | NO _x emissions (0% O ₂) | mg/kWh | 30 | 25 | 29 | 39 | 36 |
| | ErP efficiency rating | | B | B | B | B | B |
| | Water heater efficiency | % | 75 | 72 | 70 | 67 | 67 |
| | Noise level | dBA | 51 | 51 | 51 | 51 | 51 |
| Gas data | Gas flow rate (natural gas) | m3/hr | 3.41 | 5.44 | 7.38 | 5.44 | 7.38 |
| Water | Storage capacity | litre | 303 | 303 | 303 | 380 | 380 |
| | Recovery rate through 50°C Δt | litre/hr | 520 | 829 | 1111 | 829 | 1111 |
| | Recovery rate through 56°C Δt | litre/hr | 464 | 741 | 992 | 741 | 992 |
| | Operating pressure (unvented) | bar | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 |
| | Minimum working pressure | bar | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |
| | Maximum pressure | bar | 10 | 10 | 10 | 10 | 10 |
| Electrical | Fuse rating | amp | 5 | 5 | 5 | 5 | 5 |
| | Electrical power consumption | W | 120 | 210 | 210 | 210 | 210 |
| | Electrical requirements | V | 230 | 230 | 230 | 230 | 230 |
| Misc | Weight full | kg | 510 | 510 | 515 | 628 | 628 |
| | Weight empty | kg | 210 | 210 | 214 | 250 | 250 |
| | Maximum outlet temperature | °C | 80 | 80 | 80 | 80 | 80 |
| | Maximum flue gas temperature | °C | 230 | 230 | 230 | 230 | 230 |
| Service clearance | Front | mm | 300 | 300 | 300 | 300 | 300 |
| | Sides | mm | 300 | 300 | 300 | 300 | 300 |
| | Above | mm | 762 | 762 | 762 | 762 | 762 |
| Shipping | Shipping width | mm | 864 | 864 | 864 | 864 | 864 |
| | Shipping depth | mm | 768 | 768 | 768 | 768 | 768 |
| | Shipping height | mm | 2120 | 2120 | 2120 | 2120 | 2120 |
| | Shipping weight | kg | 243 | 243 | 247 | 287 | 287 |

Dimensions

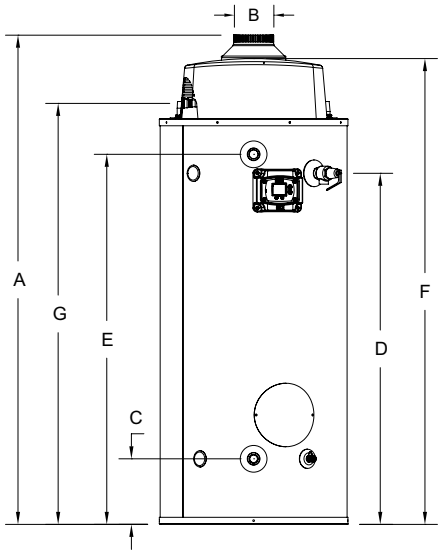
| | | Model | | | | |
|-------------------------------|----|-----------|-----------|-----------|-----------|-----------|
| | | HF 30/300 | HF 48/300 | HF 65/300 | HF 48/380 | HF 65/380 |
| A: Height | mm | 1600 | 1,645 | 1,645 | 1,861 | 1,861 |
| B: Flue | mm | 127 | 152 | 152 | 152 | 152 |
| C: Inlet | mm | 254 | 254 | 254 | 254 | 254 |
| D: T&P valve | mm | 1,118 | 1,118 | 1,118 | 1,334 | 1,334 |
| E: Hot water outlet | mm | 1,194 | 1,194 | 1,194 | 1,410 | 1,410 |
| F: Top of control panel | mm | 1,556 | 1,556 | 1,556 | 1,772 | 1,772 |
| G: Height of Gas Pipe | mm | 1416 | 1,416 | 1,416 | 1,607 | 1,607 |
| H: Unit depth | mm | 762 | 762 | 762 | 762 | 762 |
| J: Unit width | mm | 718 | 718 | 718 | 718 | 718 |
| K: Height to hot water outlet | mm | 1,391 | 1,391 | 1,391 | 1,607 | 1,607 |

Accessories / Controls

| | | All |
|----------------------------------|------------|-----|
| Accessories | Sales code | |
| Unvented systems kit | 7703930 | |
| LPG conversion kit for HF 30/300 | 7697168 | |
| LPG conversion kit for HF 48/300 | 7697169 | |
| LPG conversion kit for HF 65/300 | 7697170 | |
| LPG conversion kit for HF48/380 | 7697171 | |
| LPG conversion kit for HF65/380 | 7697172 | |
| Controls | Sales code | |
| Remote enable kit | 7697193 | |



Top view



External rear view



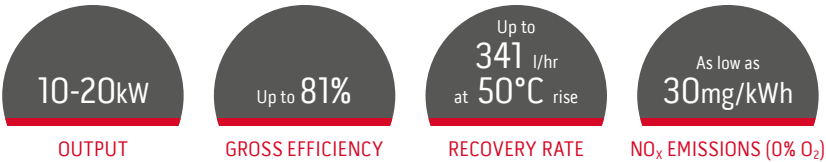
CLASSICflo Gas Fired Storage Water Heaters

The CLASSICflo is a standalone gas-fired water heater suitable for installation on vented, unvented or boosted systems. CLASSICflo is particularly suited for the light commercial market place. It is quick and easy to install, particularly as a replacement for existing water heaters and is straight forward to service and maintain.

CLASSICflo is suitable for installation on a conventional flue.



Technical specification



Features

Benefits

| | |
|----------------------------------------------------------|-------------------------------------------------------------|
| Five models | A suitable model for replacement applications |
| Recovery rates of up to 341 litres per hour at 50°C rise | High volumes of hot water available |
| Vitraglas® enamelled lining | Offering protection to the steel storage tank |
| Factory installed Hydrojet® sediment reduction system | Improving water heater recovering rate |
| Non CFC foam insulation | Improved standby losses and jacket rigidity |
| Natural gas or LPG | Can be converted for off mains gas areas |
| Low NO _x | Environmental savings and compliant with latest legislation |

Specifications

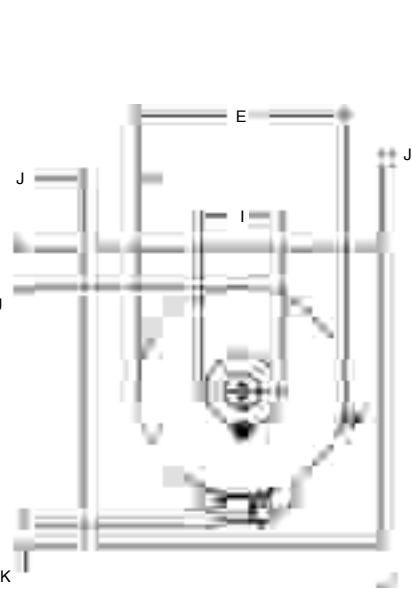
| | | | Model | | | | |
|-------------------|------------------------------------------------|----------|---------|---------|---------|---------|---------|
| | | | 10/105 | 10/145 | 14/175 | 15/270 | 20/360 |
| Product code | | | 7697119 | 7697120 | 7697121 | 7697122 | 7697123 |
| Energy | Heat input (gross) | kW | 12.3 | 12.9 | 17.6 | 19 | 24.9 |
| | Heat output (gross) | kW | 10 | 10 | 14 | 15 | 20 |
| | Gross thermal efficiency | % | 81% | 77% | 79% | 79% | 80% |
| | Standby heat loss | kWh/day | 3.36 | 3.38 | 4.68 | 5.59 | 7.56 |
| | | | | | | | |
| ErP | NO _x emissions (0% O ₂) | mg/kWh | 30 | 37 | 50 | 33 | 40 |
| | ErP efficiency rating | | B | B | B | B | B |
| | Water heater efficiency | % | 63 | 64 | 63 | 60 | 62 |
| | Noise level | dBA | 40 | 40 | 40 | 40 | 40 |
| Gas data | Gas flow rate (natural gas) | m3/hr | 1.03 | 1.08 | 1.47 | 1.59 | 2.08 |
| Water | Storage capacity | litre | 105 | 144 | 175 | 270 | 360 |
| | Recovery rate through 50°C Δt | litre/hr | 169 | 177 | 241 | 261 | 341 |
| | Recovery rate through 56°C Δt | litre/hr | 151 | 158 | 216 | 233 | 305 |
| | Operating pressure (unvented) | bar | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 |
| | Minimum working pressure | bar | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |
| | Maximum pressure | bar | 10 | 10 | 10 | 10 | 10 |
| Electrical | Fuse rating | amp | 3 | 3 | 3 | 3 | 3 |
| | Electrical power consumption | W | 120 | 120 | 120 | 120 | 120 |
| | Electrical requirements | V | 230 | 230 | 230 | 230 | 230 |
| Misc | Weight full | kg | 159 | 209 | 257 | 380 | 512 |
| | Weight empty | kg | 55 | 65 | 82 | 111 | 153 |
| | Maximum outlet temperature | °C | 80 | 80 | 80 | 80 | 80 |
| | Maximum flue gas temperature | °C | 300 | 300 | 300 | 300 | 300 |
| Service clearance | Front | mm | 610 | 610 | 610 | 610 | 610 |
| | Sides | mm | 305 | 305 | 305 | 305 | 305 |
| | Above | mm | 762 | 762 | 762 | 1143 | 1270 |
| Shipping | Shipping width | mm | 518 | 560 | 560 | 668 | 770 |
| | Shipping depth | mm | 510 | 685 | 685 | 780 | 900 |
| | Shipping height | mm | 1163 | 1245 | 1460 | 1530 | 1752 |
| | Shipping weight | kg | 64 | 74 | 91 | 120 | 188 |

Dimensions

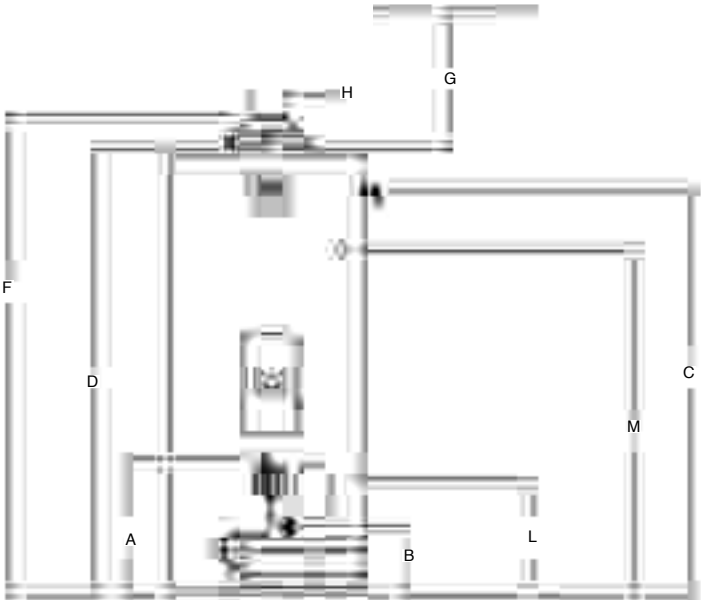
| | | Model | | | | |
|----------------------------|----|--------|--------|--------|--------|--------|
| | | 10/105 | 10/145 | 14/175 | 15/270 | 20/360 |
| A: Gas connection | mm | 406.5 | 406.5 | 406.5 | 456.9 | 456.9 |
| B: Drain cock | mm | 200 | 200 | 200 | 262 | 260.4 |
| C: Relief valve port | mm | 981 | 1,041 | 1,267 | 1,319 | 1,492 |
| D: Height of heater | mm | 1,140 | 1,222 | 1,439 | 1,515 | 1,646 |
| E: Heater diameter | mm | 508 | 559 | 559 | 660 | 718 |
| F: Height to flue | mm | 1,220 | 1,300 | 1540 | 1,595 | 1,776 |
| G: Service clearance | mm | 762 | 762 | 762 | 762 | 762 |
| H: Flue diameter | mm | 102 | 102 | 102 | 125 | 125 |
| I: Connection centre | mm | 203 | 203 | 279 | 279 | 406 |
| J: Side service clearance | mm | 305 | 305 | 305 | 305 | 305 |
| K: Front service clearance | mm | 610 | 610 | 610 | 610 | 610 |
| L: Lower port | mm | N/A | N/A | 340 | 424 | 435 |

Accessories / Controls

| All | |
|-------------------------------|------------|
| Accessories | Sales code |
| Unvented system kit | 7703928 |
| Correx® powered anode kit | 7705306 |
| LPG conversion kit for 10/105 | 7697163 |
| LPG conversion kit for 10/145 | 7697164 |
| LPG conversion kit for 14/175 | 7697165 |
| LPG conversion kit for 15/270 | 7697166 |
| LPG conversion kit for 20/360 | 7697167 |
| Controls | Sales code |
| Remote enable kit | 7705366 |



Top view



Front view

CLASSICflo FAN FLUED Gas Fired Storage Water Heater

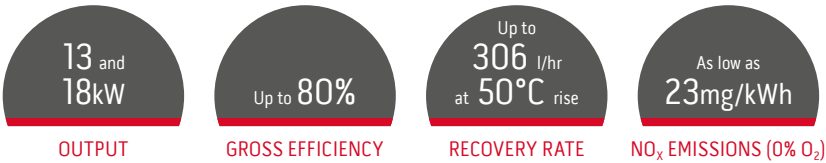


Model shown CLASSICFlo
FAN FLUED

With all the advantages of the CLASSICflo, the CLASSICflo FAN FLUED has the addition of a fan assisted flue, making it the perfect choice by offering increased installation flexibility.

Ultra-low NO_x emissions ensure compliance with the latest regulations.

Technical specification



Features

Two models, 174 and 270 litres storage capacity

Recovery rate up to 306 litres per hour

Vitraglas® enamelled lining

Factory installed Hydrojet® sediment reduction system

Non CFC foam insulation

80mm diameter horizontal or vertical flue kits available

Low NO_x

Benefits

Provides instant hot water for peak demands

Excellent hot water recovery rate

Offering protection to the steel storage tank

Improving water heater recovering rate

Improved standby losses and jacket rigidity

Flexible siting and longer flue runs

Environmental savings and compliant with latest legislation



Specifications

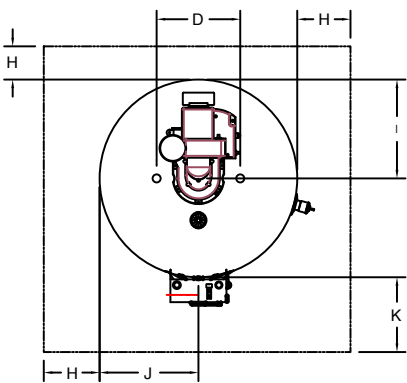
| | | | Model | |
|--------------|------------------------------------------------|----------|------------|------------|
| | | | RFF 13/175 | RFF 18/270 |
| Product code | | | 7697151 | 7697152 |
| Energy | Heat input (gross) | kW | 16.4 | 22.3 |
| | Heat output (gross) | kW | 13 | 18 |
| | Gross thermal efficiency | % | 79% | 80% |
| | Standby heat loss | kWh/day | 3.14 | 3.77 |
| ErP | NO _x emissions (0% O ₂) | mg/kWh | 23 | 37 |
| | ErP efficiency rating | | B | B |
| | Water heater efficiency | % | 75 | 77 |
| | Noise level | dBA | 49 | 49 |
| Gas data | Gas flow rate (natural gas) | m3/hr | 1.37 | 1.86 |
| Water | Storage capacity | litre | 174 | 270 |
| | Recovery rate through 50°C Δt | litre/hr | 225 | 306 |
| | Recovery rate through 56°C Δt | litre/hr | 201 | 273 |
| | Operating pressure (unvented) | bar | 3.5 | 3.5 |
| | Minimum working pressure | bar | 0.8 | 0.8 |
| | Maximum pressure | bar | 10 | 10 |
| Electrical | Fuse rating | amp | 3 | 3 |
| | Electrical power consumption | W | 236 | 236 |
| | Electrical requirements | V | 230 | 230 |
| Misc | Weight full | kg | 253 | 383 |
| | Weight empty | kg | 79 | 114 |
| | Maximum outlet temperature | °C | 80 | 80 |
| | Maximum flue gas temperature | °C | 300 | 300 |
| Shipping | Shipping width | mm | 560 | 668 |
| | Shipping depth | mm | 685 | 780 |
| | Shipping height | mm | 1704 | 1760 |
| | Shipping weight | kg | 88 | 123 |

Dimensions

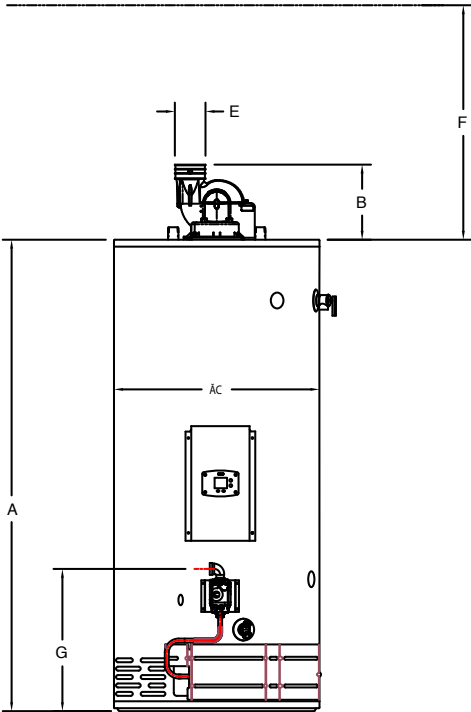
| | | Model | |
|-----------------------------|----|------------|------------|
| | | RFF 13/175 | RFF 18/270 |
| A: Height of heater | mm | 1,440 | 1,527 |
| B: Height of fan | mm | 241 | 267 |
| C: Heater diameter | mm | 557 | 660 |
| D: Front service clearance | mm | 280 | 279 |
| E: Flue Diameter | mm | 80 | 80 |
| F: Top service clearance | mm | 1,400 | 1,400 |
| G: Height of gas connection | mm | 401.3 | 438 |
| H L: Side service clearance | mm | 305 | 305 |
| I M: Connection to rear | mm | 280 | 280 |
| J N: Side to centre | mm | 280 | 280 |
| K O: Between connections | mm | 610 | 610 |

Accessories / Flueing / Controls

| | All |
|-----------------------|------------|
| Accessories | Sales code |
| Unvented system kit | 7703928 |
| Correx® powered anode | 7705307 |
| Flueing | Sales code |
| Horizontal flue kit | 7705310 |
| Vertical flue kit | 7705312 |
| 1 metre flue length | C793 |
| 0.5 metre flue length | E316 |
| 90° bend | C792 |
| 45° bend | C794 |
| Wall terminal guard | E105 |
| Controls | Sales code |
| Remote enable kit | 7705367 |



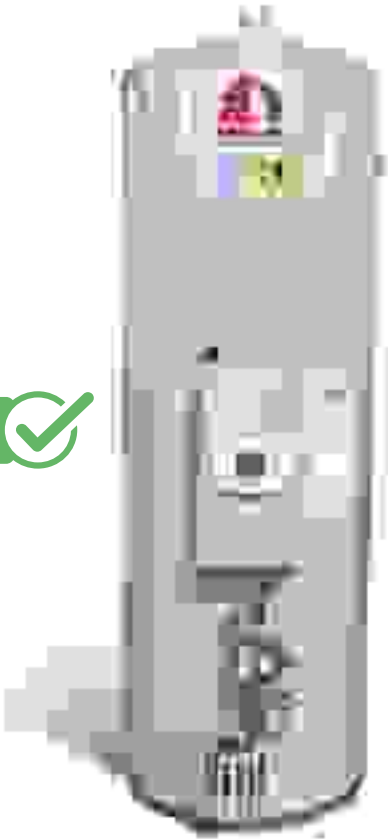
Top view



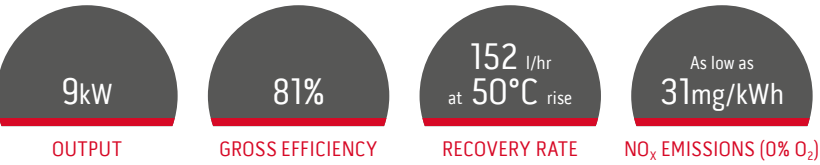
Side view

CLASSICflo BALANCED
Gas Fired Storage Water Heater

The CLASSICflo BALANCED offers all the advantages of the CLASSICflo but with the additional benefit of a concentric balanced flue making it suitable for a range of properties such as dry cleaners and hair salons.



Technical specification



Features

Benefits

| | |
|-------------------------------------------------------|-------------------------------------------------------------|
| Two models, 145 and 179 litres storage capacity | Provides instant hot water for peak demands |
| Recovery rate up to 152 litres per hour | Excellent hot water recovery rate |
| Vitraglas® enamelled lining | Offering protection to the steel storage tank |
| Factory installed Hydrojet® sediment reduction system | Improving water heater recovering rate |
| Non CFC foam insulation | Improved standby losses and jacket rigidity |
| NO _x as low as 31mg/kWh | Environmental savings and compliant with latest legislation |

Specifications

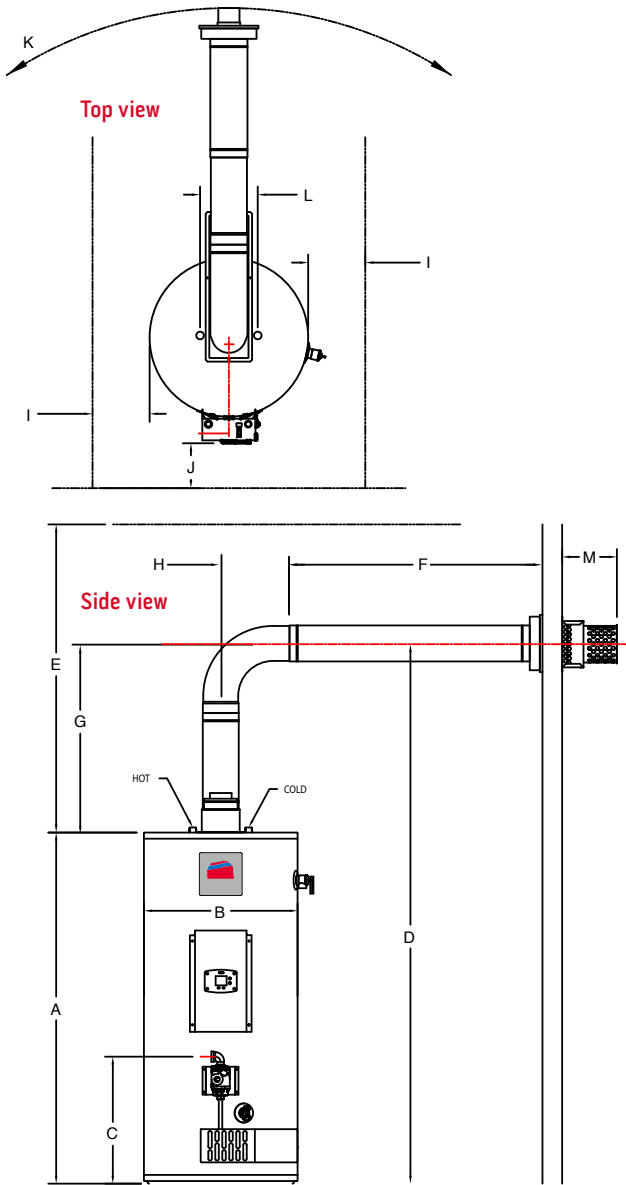
| | | Model | |
|-------------------|------------------------------------------------|-----------|-----------|
| | | RSC 9/145 | RSC 9/180 |
| Product code | | 7697147 | 7697148 |
| Energy | Heat input (gross) | kW | 11.1 |
| | Heat output (gross) | kW | 9 |
| | Gross thermal efficiency | % | 81% |
| | Standby heat loss | kWh/day | 2.23 |
| ErP | NO _x emissions (0% O ₂) | mg/kWh | 31 |
| | ErP efficiency rating | B | B |
| | Water heater efficiency | % | 68 |
| | Noise level | dBA | 40 |
| Gas data | Gas flow rate (natural gas) | m3/hr | 0.93 |
| Water | Storage capacity | litre | 145 |
| | Recovery rate through 50°C Δt | litre/hr | 152 |
| | Recovery rate through 56°C Δt | litre/hr | 136 |
| | Operating pressure (unvented) | bar | 3.5 |
| | Minimum working pressure | bar | 0.8 |
| | Maximum pressure | bar | 10 |
| Electrical | Fuse rating | amp | 5 |
| | Electrical power consumption | W | 120 |
| | Electrical requirements | V | 230 |
| Misc | Weight full | kg | 216 |
| | Weight empty | kg | 71 |
| | Maximum outlet temperature | °C | 80 |
| | Maximum flue gas temperature | °C | 300 |
| Service clearance | Front | mm | 610 |
| | Sides | mm | 305 |
| | Above | mm | 1226 |
| Shipping | Shipping width | mm | 566 |
| | Shipping depth | mm | 870 |
| | Shipping height | mm | 1466 |
| | Shipping weight | kg | 89 |

Dimensions

| | | Model | |
|----------------------------------------|----|----------------------------------------------------------------------------------------------------------------------------------------|---------------|
| | | RSC 9/145 | RSC 9/180 |
| A: Height of heater | mm | 1,276 | 1,505 |
| B: Heater diameter | mm | 559 | 559 |
| C: Height of gas | mm | 461.6 | 461.6 |
| D: Height of flue centre | mm | 1,961 - 2131 | 2,190 - 2,359 |
| E: Top Service clearance | mm | 1,226 | 1,226 |
| F: Flue elbow to wall | mm | 750 | 750 |
| G: Top of Heater to flue centre | mm | 854 | 854 |
| H: Flue centre to horizontal flue pipe | mm | 194 | 194 |
| I: Side clearance | mm | 305 | 305 |
| J: Front service clearance | mm | 610 | 610 |
| K: Vertical flue length | mm | We recommend that the flue outlet can be installed in any configuration through 180° as long as proper service clearances are observed | |
| L: Connection centres | mm | 203.2 | 203.2 |
| M: Terminal length | mm | 170 | 170 |

Accessories / Flueing / Controls

| | All |
|---------------------------|------------|
| Accessories | Sales code |
| Correx® powered anode kit | 7705307 |
| Unvented system kit | 7703928 |
| Flueing | Sales code |
| Horizontal flue kit | 7705308 |
| Vertical flue kit | 7705309 |
| 1 metre length flue | E064 |
| 0.5 metre flue | E069 |
| 90° bend | E071 |
| 45° bend | E308 |
| Wall terminal guard | E105 |
| Flat roof plate | E065 |
| Angled roof plate | E066 |
| Controls | Sales code |
| Remote enable kit | 7705366 |



Our Water Heaters In Action



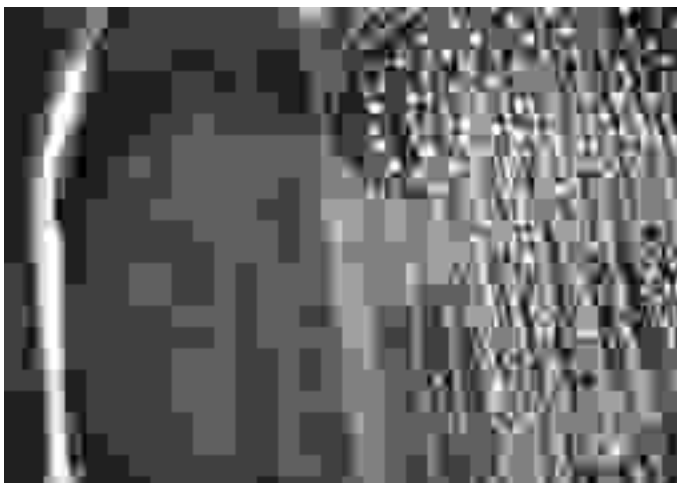
Newcastle Hotel, Newcastle-upon-Tyne

Uses Andrews ECOflo

A regeneration project has brought a Newcastle office block back to life as a hotel, offering its guests an ample supply of hot water after four ECOflos were installed.

The 160-room Newcastle Hotel is located opposite Central Station.

Each ECOflo water heater offers a capacity of 380 litres, ensuring there is a large amount of hot water storage to support periods of peak demand. Fast recovery rates of up to 1,400 litres per hour make the ECOflo ideal for hotels and other large commercial properties where there's constant high demand for hot water.

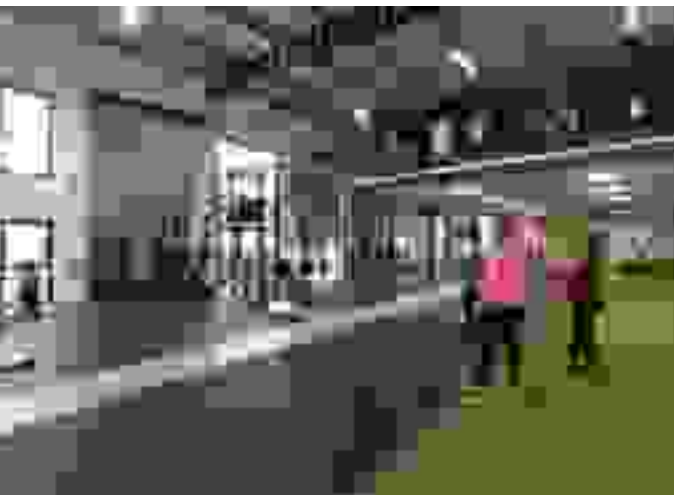


“We’ve worked with Andrews Water Heaters for many years. The range of products they offer and the after service they provide mean that they are our first choice every time.”

Steve Malone
part of the third generation that owns and runs Malones

Imperium Gym, Plymouth

Uses Andrews COMBiflo



Imperium Gym in Plymouth is not your average run-of-the-mill fitness centre.

It offers everything including state-of-the-art facilities and a café. Owners Ben Hay and Ben Wadham challenged contractors Zack Davey’s team at Uni Gas to specify an efficient and reliable hot water delivery solution, particularly during peak operational times.

Uni Gas turned to Andrews Water Heaters and using the Size It Tool, COMBiflo 150/300 unit was recommended – supported with a full proposal containing a specification report, calculations and estimates of the flow rate and volume of hot water required across the premises.

Because the COMBiflo unit provides a pre-packaged turnkey solution, the installation process was simplified too.

Hotel Football, Old Trafford

Uses Andrews SUPAflo



This newly built £24million football-themed hotel is right next to Manchester United’s Old Trafford stadium.

Hotel Football has 133 bedrooms, Manchester’s own Cafe Football, a five-a-side rooftop football pitch, Old Trafford Supporters Club and a range of unique environments fit for providing the ultimate match day experience or hosting unique meetings and conferences.

Designed to supply large volumes of hot water, the Andrews SUPAflo SF65 water heaters are ideally suited to meet the high demand of this project. Lightweight and compact, the units were easy to install and required less floor area, allowing designers to maximise space in the plant room.



Our Training Academy

We have dedicated training academies, enabling heating engineers to refine their skills and gain practical experience in a real-world environment. It’s complete training, geared towards developing all-round knowledge in heating and hot water, for everyone.

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“Mark Lovegrove is a fantastic tutor and engineer. His knowledge of the Andrews Water Heaters is phenomenal. I highly recommend these courses that provide the relevant training but also valuable handy tips and tricks from a knowledgeable hands-on tutor.”

James Blanksby
Director, GESTI Ltd

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RS 33961



Sales 0345 070 1055

Technical 0345 070 1057

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April 2022

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