



Heating Hot water Renewables



ARISTON

RENEWABLES

NUOS HEAT PUMP WATER HEATERS

CF 2.0 & XP 2.5 SOLAR COLLECTORS

AQUABRAVO TWIN COIL UNVENTED CYLINDERS



Eco-friendly home?

With the Ariston NUOS now it is



Energy Savings as Standard

As the World's leading manufacturer of water heating equipment, **Ariston** continue to show their commitment to the research and development of both innovative and eco-friendly products with **NUOS**, the latest addition to their portfolio of energy efficient products.

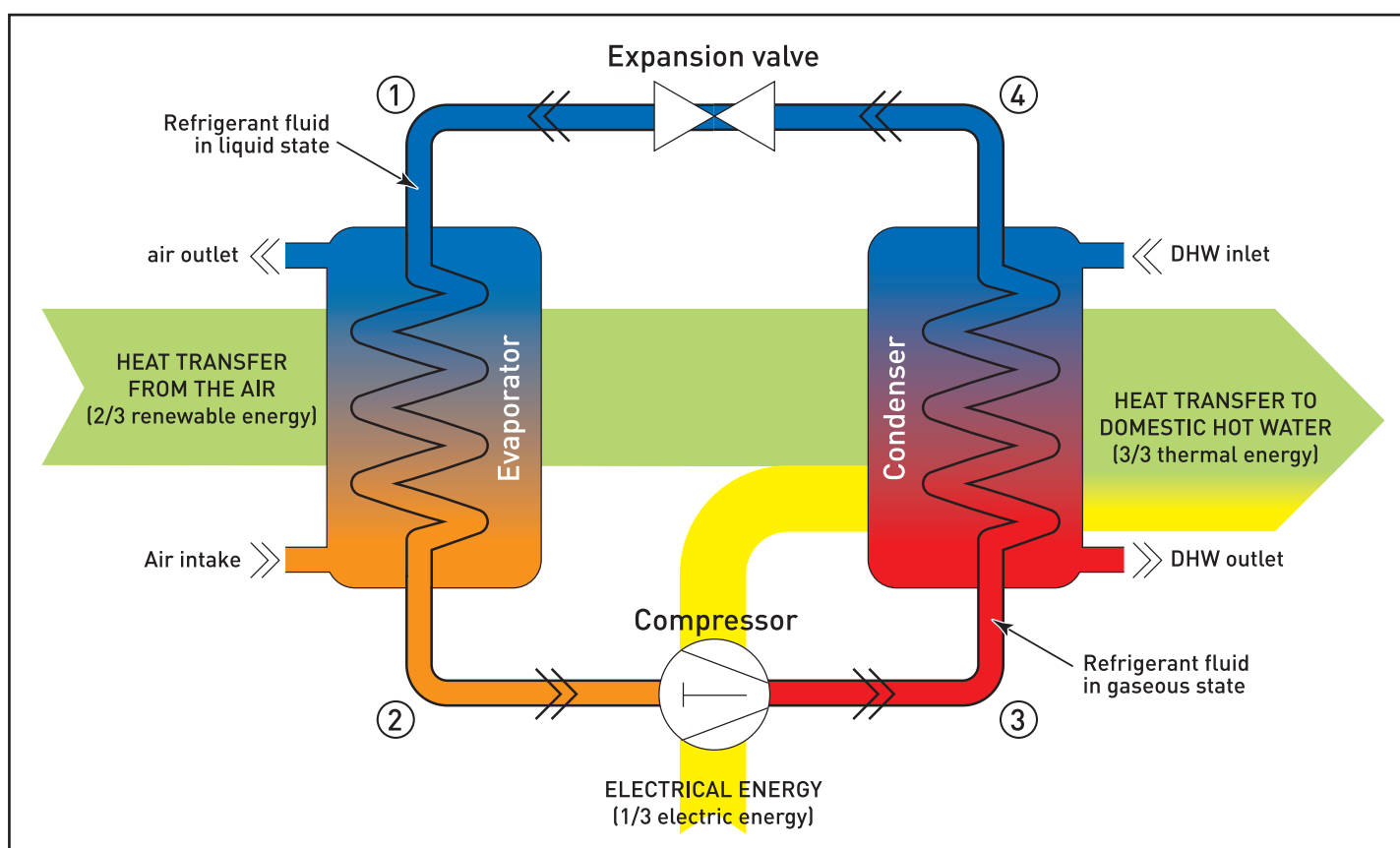
A perfect choice for new build properties, as well as those off the gas grid, **Ariston NUOS** is the perfect alternative to a conventional electric hot water storage cylinder, in fact with a CoP* (Co-efficient of Performance) of 3.7, NUOS is the perfect choice for those looking to reduce their carbon footprint, without having to compromise on their hot water requirements.

As the heat pump unit is combined with the cylinder, no F-Gas Qualifications are needed to install meaning an installer only need G3 Qualifications to fit **NUOS** meaning it really is 'Plug and Play'.

* CoP is the measure of heat energy produced from every unit of energy consumed e.g. CoP of 3 = 3kW energy for every 1kW consumed.



can be



Working Principle

- 1 - The refrigerant fluid crosses the evaporator and absorbs the heat from the air drawn in by the fan. This process ensures that the refrigerant changes phase by evaporating.
- 2 - The compressor increases the pressure of the refrigerant gas which causes it to increase in temperature.
- 3 - Inside the condenser, the refrigerant gas passes its heat to the water contained inside the cylinder. This exchange process ensures that the refrigerant begins returning to its original liquid state by condensing.
- 4 - The refrigerant fluid loses further pressure and temperature by passing through the expansion valve, completely returning to its original state.



NUOS, a philosophy of energy efficiency and total peace of mind

GREEN

If GREEN mode is selected, only the heat pump works, ensuring the most efficient operation.

Max achievable temperature in GREEN mode is 55°C

BOOST

If BOOST mode is activated, the heat pump and heating element work at the same time. This mode has to be manually selected by the end user every time hot water is required in as short a time as possible.

Max temperature in BOOST mode is 65°C

AUTO

In Auto mode only the heat pump works. However, should the set temperature be higher than 55°C or the ambient temperature is low (0°C), the heating element is activated, in order to achieve max energy saving and the max quantity of hot water.

Max temperature in AUTO mode is 65°C

FLEXIBLE PROGRAMMING

With the **NUOS** heat pump water heater, it is possible to set two water draw off times.

By monitoring both the stored water and the ambient air temperatures **NUOS** will start automatically to ensure that the stored water reaches the desired temperature at the time set by the user.

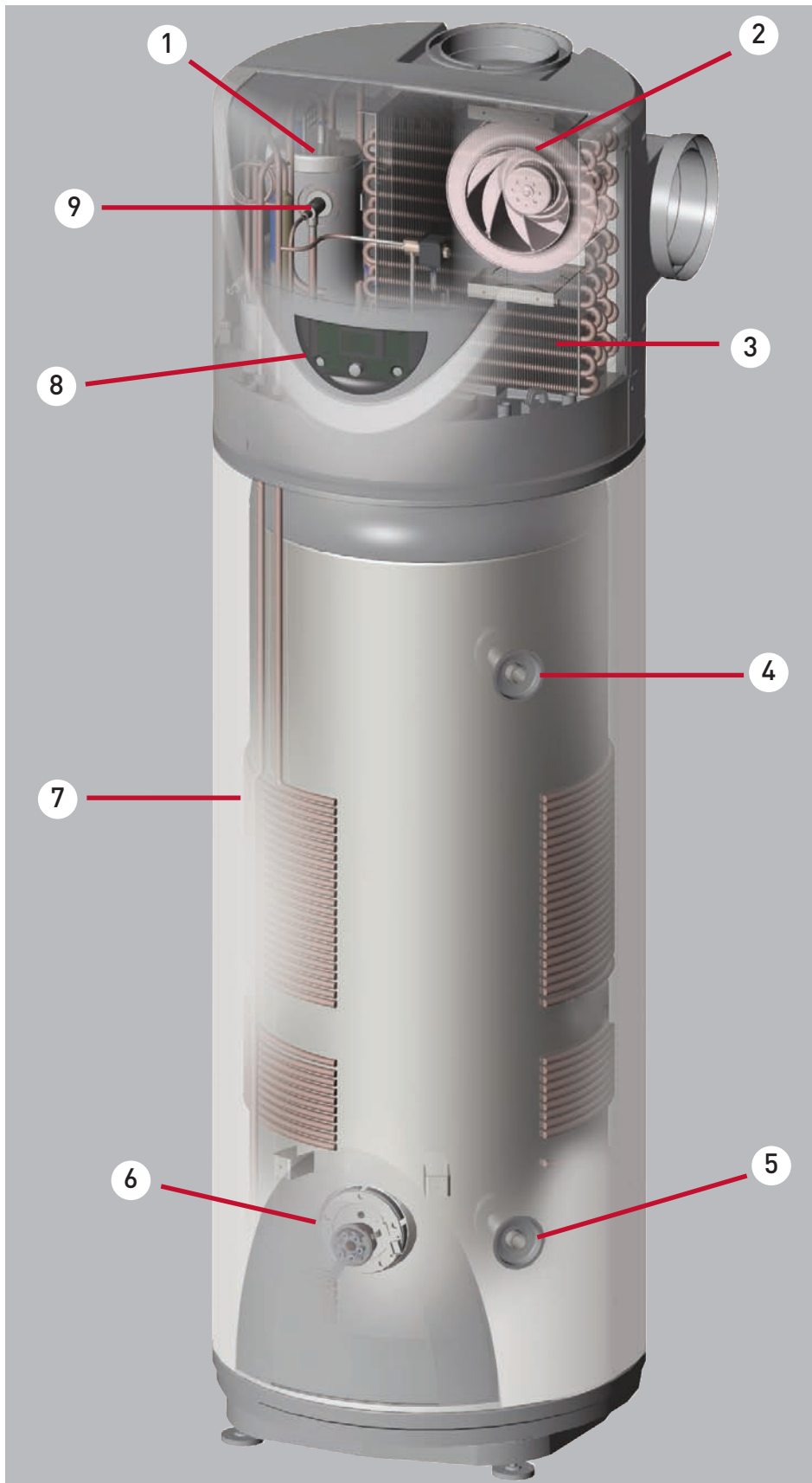
ANTI-LEGIONNELLA FUNCTION

To guarantee maximum safety and hygiene, **NUOS** heat pump water heaters feature the anti-legionnella function.

This function regularly heats the contents of the tank to 65°C in order to pasteurise the stored water.



efficiency



LEGEND

1. Compressor
2. Fan
3. Evaporator
4. Hot Water Outlet
5. Cold Water Inlet
6. Electric Element (1kW +1.5kW)
7. Condenser
8. User Interface
9. Expansion Valve

NUOS

200 FS



FLOOR STANDING DIRECT AIR SOURCE HEAT PUMP WATER HEATER

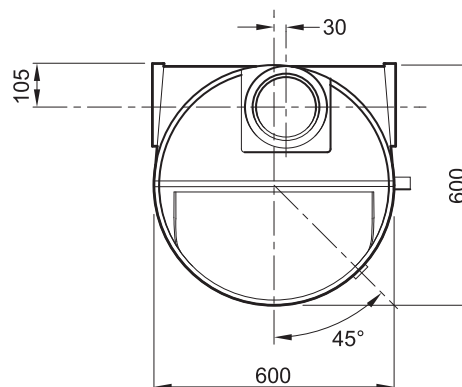
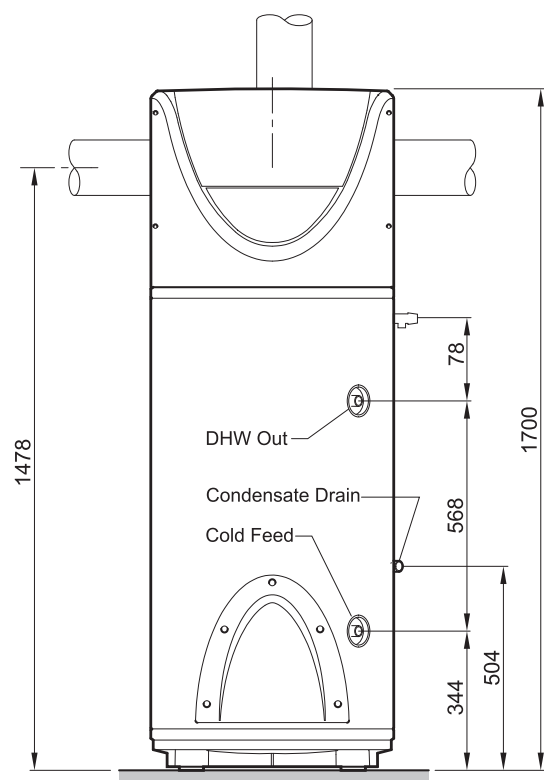
- CO-EFFICIENT OF PERFORMANCE (COP) 3.7
- ENVIRONMENTALLY SOUND AND HIGHLY EFFICIENT THERMAL INSULATION
- ALL PLUMBING AND ELECTRICAL CONNECTIONS WITHIN A 45° ANGLE
- 3 MAGNESIUM ANODES TO PROTECT AGAINST CORROSION
- BACK-UP HEATING ELEMENT
- FACTORY FITTED 1/2" T&P RELIEF VALVE
- UNVENTED CONTROL KIT SUPPLIED WITH CYLINDER
- 5 YEAR TANK GUARANTEE (2 YEAR GUARANTEE ON ELECTRICAL COMPONENTS)
- 'PLUG AND PLAY' - NO F-GAS QUALIFICATIONS NEEDED TO INSTALL



ENVIRONMENTALLY
FRIENDLY
INSULATION



Dimensions





Technical Data

NUOS FS 200

DESCRIPTION

| | | |
|------------------------|--------|-----------|
| Tank Rated Capacity | litres | 200 |
| Footprint (minimum) | mm | 600 x 600 |
| Weight Empty | kg | 90 |
| Weight Full | kg | 290 |
| Minimum Ceiling Height | metres | 1.85 |

CYLINDER

| | | |
|---------------------------------|--------------|-----------------|
| Normal Operating Pressure | bar | 3.5 |
| Maximum Water Supply Pressure | bar | 12 |
| Hot/Cold Water Connection | | 3/4" BSP - 22mm |
| Heat Loss (@ 65°C) | kW/h in 24hr | 2.06 |
| Global Warming Potential (GWP) | | <5 |
| Ozone Depletion Potential (ODP) | | 0 |

HEAT PUMP

| | | |
|-------------------------------------|------|-------|
| Heat Rating* | kW | 2.775 |
| Power Consumption* | kW | 0.75 |
| CoP (Co-efficient of Performance)* | | 3.7 |
| Heating Time (ΔT 45°C)* | mins | 236 |
| Heating Energy Consumed* | kW/h | 2.2 |
| Maximum Water Temp (Heat Pump Only) | °C | 55 |

REFRIGERANT FLUID

| | | |
|-----------------------------------|----------------|-------|
| Type of Fluid | | R134a |
| Quantity | kg | 1.28 |
| Practical Limit for Room Volume** | m ³ | 5.12 |

ELECTRICAL DATA

| | | |
|---------------------------------------|------|------------|
| Electrical supply | V/Hz | 220-240/50 |
| Element Rating | kW | 1.5 + 1 |
| Protection grade of electrical system | IP | X4 |

AIR

| | | |
|--|-------------------|-----------|
| Air Flow Rate | m ³ /h | 300 - 500 |
| Available Static Pressure Loss | Pa | 70 |
| Sound Level @ 1m | dB(A) | 56 |
| Min. Temp of Room of Installation | °C | 1 |
| Max. Temp of Room of Installation | °C | 35 |
| Min. Volume of Room (non-ducted) | m ³ | 20 |
| Min. Air Temp Required (w.b.) @ 90% r.h. | °C | -5 |
| Max. Air Temp Required (w.b.) @ 90% r.h. | °C | 35 |

REHEAT TIME

| | | |
|-------------------------------------|------|-----|
| 100% Capacity (Heat Pump Only) | mins | 236 |
| 70% Capacity (Heat Pump Only) | mins | 181 |
| 100% Capacity (Heat Pump & Element) | mins | 140 |
| 70% Capacity (Heat Pump & Element) | mins | 114 |

Model

| | | |
|--------------------------|------|---------|
| NUOS FS 200 | Code | 3210041 |
| Unvented Kit | | 3069418 |
| Duct Kit (Inlet/Outlet) | | 3208061 |
| 90° Elbow | | 3208067 |
| Wall Fixing brackets (2) | | 3208068 |

Accessories

AIR DUCT (Ø150mm)

Code

| | |
|------------------|---------|
| 1m Tube | 3208063 |
| 1.5m Tube | 3208064 |
| Joint | 3208066 |
| 90° Elbow | 3208067 |
| Fixing brackets | 3208068 |
| 1m Flexible Tube | 3208069 |

* Tested in accordance with EN 255-3

** The practical limit is the minimum room volume the appliance should be installed in, the volume is based on quantity of refrigerant in the system. In the event of a sudden release of refrigerant then the min. room volume will make it safer for the engineer.



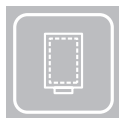
NUOS

FS 250i



FLOOR STANDING INDIRECT AIR SOURCE HEAT PUMP WATER HEATER

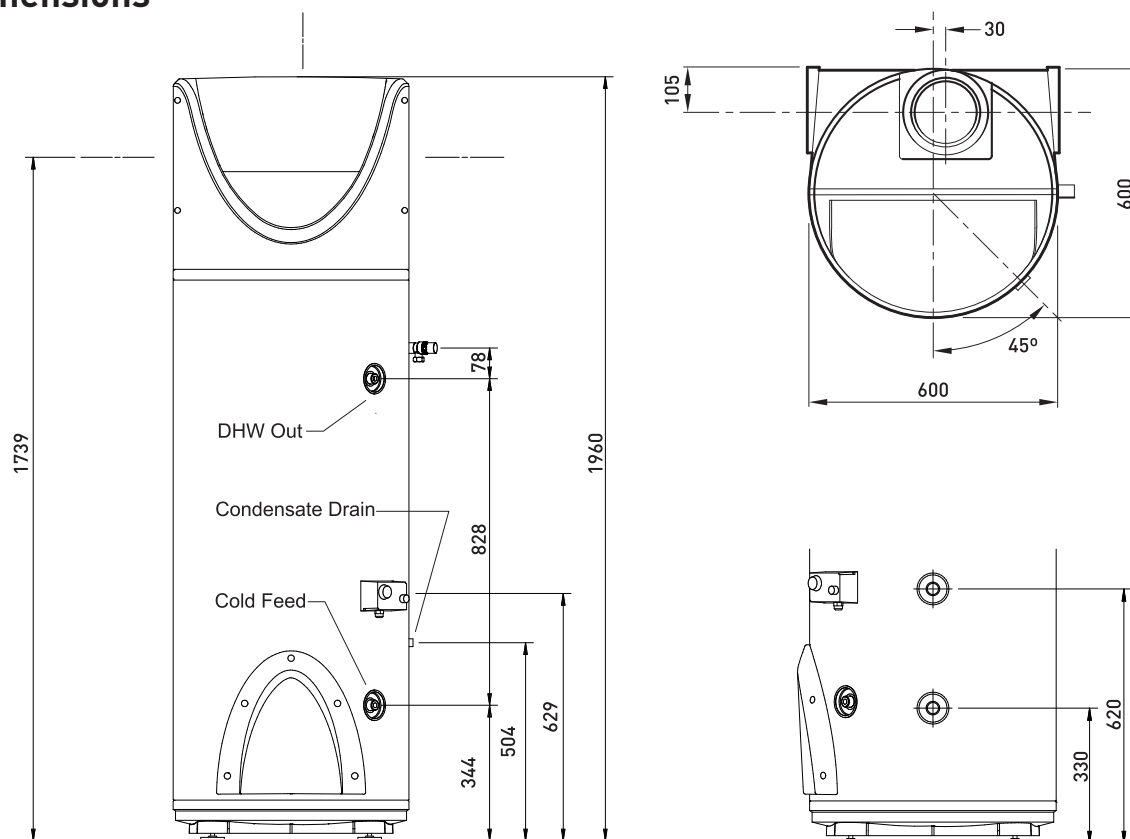
- CO-EFFICIENT OF PERFORMANCE (COP) 3.7
- ENVIRONMENTALLY SOUND AND HIGHLY EFFICIENT THERMAL INSULATION
- ALL PLUMBING AND ELECTRICAL CONNECTIONS WITHIN A 45° ANGLE
- 3 MAGNESIUM ANODES TO PROTECT AGAINST CORROSION
- BACK-UP HEATING ELEMENT
- FACTORY FITTED 1/2" T&P RELIEF VALVE
- UNVENTED CONTROL KIT SUPPLIED WITH CYLINDER
- 5 YEAR TANK GUARANTEE (2 YEAR GUARANTEE ON ELECTRICAL COMPONENTS)
- INDIRECT COIL FOR USE WITH SOLAR SYSTEMS OR GAS/OIL BOILER
- 'PLUG AND PLAY' - NO F-GAS QUALIFICATIONS NEEDED TO INSTALL



ENVIRONMENTALLY FRIENDLY INSULATION



Dimensions





| Technical Data | | |
|---|-------------------|-----------------|
| NUOS FS 250i | | |
| DESCRIPTION | | |
| Tank Rated Capacity | litres | 250 |
| Footprint (minimum) | mm | 600 x 600 |
| Weight Empty | kg | 110 |
| Weight Full | kg | 360 |
| Minimum Ceiling Height | metres | 2.10 |
| CYLINDER | | |
| Normal Operating Pressure | bar | 3.5 |
| Maximum Water Supply Pressure | bar | 12 |
| Hot/Cold Water Connection | | 3/4" BSP - 22mm |
| Heat Loss (@ 65°C) | kW/h in 24hr | 2.40 |
| Global Warming Potential (GWP) | | <5 |
| Ozone Depletion Potential (ODP) | | 0 |
| HEAT PUMP | | |
| Heat Rating* | kW | 2.775 |
| Power Consumption* | kW | 0.75 |
| CoP (Co-efficient of Performance)* | | 3.7 |
| Heating Time (ΔT 45°C)* | mins | 302 |
| Heating Energy Consumed* | kW/h | 2.7 |
| Maximum Water Temp (Heat Pump Only) | °C | 55 |
| REFRIGERANT FLUID | | |
| Type of Fluid | | R134a |
| Quantity | kg | 1.28 |
| Practical Limit for Room Volume** | m ³ | 5.12 |
| ELECTRICAL DATA | | |
| Electrical supply | V/Hz | 220-240/50 |
| Element Rating | kW | 1.5 + 1 |
| Protection grade of electrical system | IP | X4 |
| AIR | | |
| Air Flow Rate | m ³ /h | 300 - 500 |
| Available Static Pressure Loss | Pa | 70 |
| Sound Level @ 1m | dB(A) | 56 |
| Min. Temp of Room of Installation | °C | 1 |
| Max. Temp of Room of Installation | °C | 35 |
| Min. Volume of Room (non-ducted) | m ³ | 20 |
| Min. Air Temp Required (w.b.) @ 90% r.h. | °C | -5 |
| Max. Air Temp Required (w.b.) @ 90% r.h. | °C | 35 |
| REHEAT TIME | | |
| 100% Capacity (Heat Pump Only - ΔT 45°C) | mins | 302 |
| 70% Capacity (Heat Pump Only - ΔT 45°C) | mins | 231 |
| 100% Capacity (Heat Pump & Element - ΔT 45°C) | mins | 194 |
| 70% Capacity (Heat Pump & Element - ΔT 45°C) | mins | 137 |
| Model | | Code |
| NUOS FS 250i | | 3210042 |
| Unvented Kit | | 3069419 |
| Duct Kit (Inlet/Outlet) | | 3208061 |
| 90° Elbow | | 3208067 |
| Wall Fixing brackets (2) | | 3208068 |

| Accessories | |
|--------------------------|---------|
| | Code |
| AIR DUCT (Ø150mm) | |
| 1m Tube | 3208063 |
| 1.5m Tube | 3208064 |
| Joint | 3208066 |
| 90° Elbow | 3208067 |
| Fixing brackets | 3208068 |
| 1m Flexible Tube | 3208069 |

* Tested in accordance with EN 255-3

** The practical limit is the minimum room volume the appliance should be installed in, the volume is based on quantity of refrigerant in the system. In the event of a sudden release of refrigerant then the min. room volume will make it safer for the engineer.



Solar Thermal.

An informed choice



Solar Hot Water Heating

The Ariston SOLARcomfort system has three main components: solar panels, pump station and solar controller. In addition the system requires a hot water storage cylinder. Ariston supplies a stainless steel, twin coil unvented cylinder (Aquabravo ITSI), giving a complete solar package from a single source.

The solar panels absorb the heat from the sun's rays and use this to heat the heat transfer medium (a mixture of water and glycol). The fluid is circulated by a pump, the operation of which is controlled by the solar controller.

The heated fluid circulates around a heat exchanger in the hot water storage cylinder. The Ariston Aquabravo ITSI has two heat exchangers (coils). The lower coil is heated by the solar circuit and the upper coil by an auxiliary heat source (typically a gas, oil or electric system boiler).

Pump Station

The pump station circulates the water/glycol fluid around the solar circuit. The pump will only operate when there is sufficient heat in the panels to raise the temperature of the water in the cylinder. The pump will not operate when the cylinder is at a higher temperature than the panels, to do so would result in the cylinder being cooled.

The compact design of the pump station allows it to be easily and quickly fitted in small spaces.

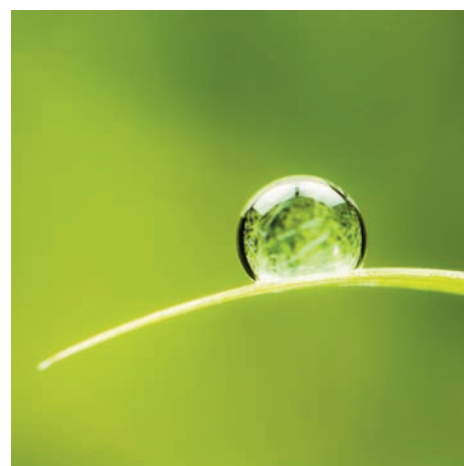
Solar Panels

The solar panels (collectors) can be mounted on either a sloping or flat roof or the ground.

The roof mounting system has been specifically designed for UK roofs. The inherently flexible fixing kit is supplied as standard with the panels. It removes the need to select and purchase additional roof fixings.

The flat roof/ground frame is easy to assemble and extremely rigid.

Whichever option is selected, you can be assured of a system which will last for many, many years.



Solar Controller

The differential temperature solar controller is simple to install and operate, with pleasing aesthetics. It is the 'brains' of the system and ensures effective operation and control of the pump. The illuminated digital display shows the current status of the system and the current temperatures in both the solar panels and the hot water store.

The householder can easily see how the system is operating and with an optional, additional sensor see how much energy has been saved.

SOLAR THERMAL

SOLAR COMFORT FLAT ROOF/GROUND

SOLAR SYSTEMS

- READY TO FIT OUT OF THE BOX
- SINGLE ROOF KIT SUITABLE FOR POPULAR TILE TYPES, INCL. SLATE
- 2 PANEL SYSTEM SUITABLE FOR USE WITH AQUABRAVO ITS1 215 & 255 CYLINDERS
- 3 PANEL SYSTEM SUITABLE FOR USE WITH AQUABRAVO ITS1 255 & 305 CYLINDERS
- 10M INSULATED FLEXIBLE TWIN PIPE AVAILABLE AS AN ACCESSORY
- COMPLETE PACKAGE:
 - SOLAR COLLECTORS
 - FIXING FRAMES
 - SOLAR CONTROLLER
 - PUMP STATION
 - EXPANSION VESSEL
 - FITTINGS
 - SOLAR FLUID



HIGHLY
ABSORBENT



GROUND/FLAT
ROOF
INSTALLATION



HIGH
DURABILITY



CORROSION
RESISTANT

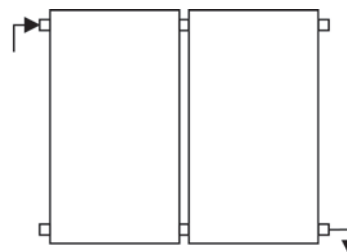
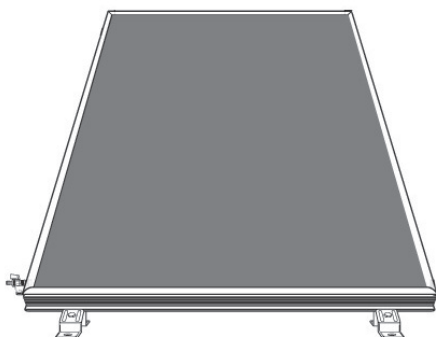


TESTED
AGAINST
HAILSTONES

5 5 year
guarantee

System Components

| | | 2 Panel Flat Roof/Ground | 3 Panel Flat/Roof Ground |
|-------------------------------------|-----|-----------------------------|-----------------------------|
| Solar Collectors | Qty | 2 | 3 |
| Flat Roof/Ground Frame | Qty | 1 | 2 |
| Solar Panel Connection Kit | Qty | 1 | 1 |
| Additional Collector Connection Kit | Qty | 1 | 2 |
| Pump Station | Qty | 1 | 1 |
| 20 Litres Glycol | Qty | 1 | 1 |
| Solar Controller (incl. 3 sensors) | Qty | 1 | 1 |
| Expansion Vessel (25l) | Qty | 1 | 1 |



Maximum of 6 collectors

SOLAR THERMAL

SOLAR COMFORT ON-TILE



SOLAR SYSTEMS

- READY TO FIT OUT OF THE BOX
- SINGLE ROOF KIT SUITABLE FOR POPULAR TILE TYPES, INCL. SLATE
- 2 PANEL SYSTEM SUITABLE FOR USE WITH AQUABRAVO ITS1 215 & 255 TWIN COIL CYLINDERS
- 3 PANEL SYSTEM SUITABLE FOR USE WITH AQUABRAVO ITS1 255 & 305 TWIN COIL CYLINDERS
- 10M INSULATED FLEXIBLE TWIN PIPE AVAILABLE AS AN ACCESSORY

- COMPLETE PACKAGE:
 - SOLAR COLLECTORS
 - ROOF FIXING KIT
 - SOLAR CONTROLLER
 - PUMP STATION
 - EXPANSION VESSEL
 - FITTINGS
 - SOLAR FLUID



HIGHLY
ABSORBENT



ON-TILE
INSTALLATION



HIGH
DURABILITY



CORROSION
RESISTANT

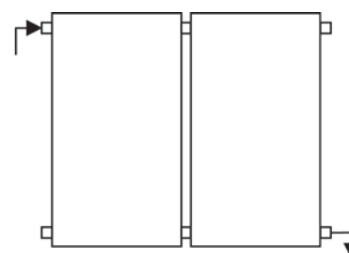
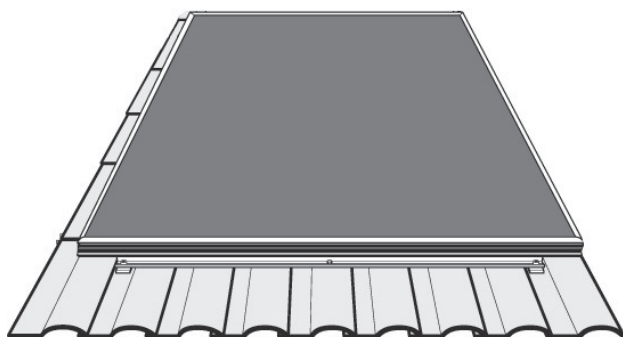


TESTED
AGAINST
HAILSTONES

5 5 year
guarantee

System Components

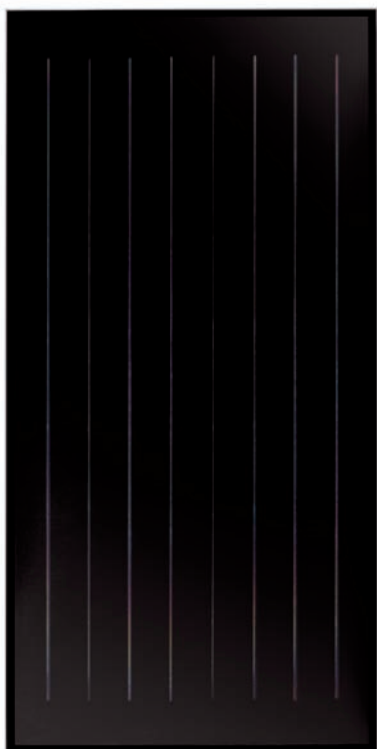
| | | 2 Panel On-Tile | 3 Panel On-Tile |
|-------------------------------------|-----|--------------------|--------------------|
| Solar Collectors | Qty | 2 | 3 |
| Roof Fixing Kit | Qty | 1 | 1 |
| Solar Panel Connection Kit | Qty | 1 | 1 |
| Additional Collector Connection Kit | Qty | 1 | 2 |
| Pump Station | Qty | 1 | 1 |
| 20 Litres Glycol | Qty | 1 | 1 |
| Solar Controller (incl. 3 sensors) | Qty | 1 | 1 |
| Expansion Vessel (25l) | Qty | 1 | 1 |



Maximum of 6 collectors

SOLAR COLLECTORS

CF 2.0



SOLAR COLLECTORS

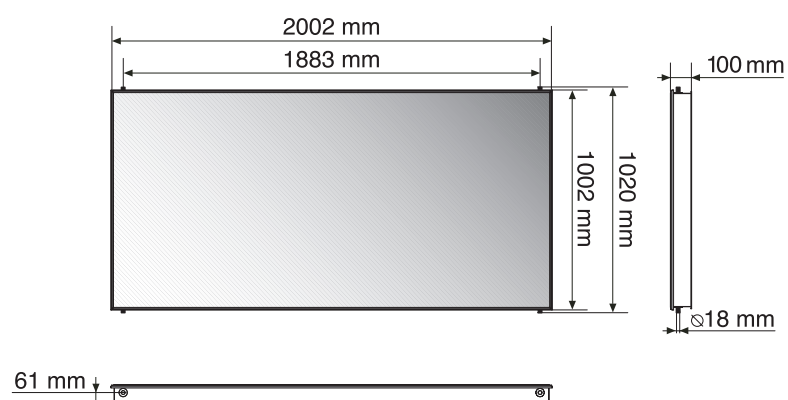
- TOTAL SURFACE AREA 2M²
- CAPTIVE SURFACE AREA 1.8M²
- FRAME: GREY ANODISED ALUMINIUM
- INSULATION: 50MM ROCKWOOL
- SPECIAL SOLAR GLASS – HIGH TRANSPARENCY, TEMPERED, ANTI REFLECTIVE AND PRISMATIC
- LOW MOUNTING PROFILE
- EN12975 APPROVED
- 5 YEAR GUARANTEE
- ABSORBER PLATE: HIGH GRADE COPPER WITH TINOX TITANIUM COATING

HIGHLY
ABSORBENTROCKWOOL
INSULATIONHIGH
DURABILITYCORROSION
RESISTANTTESTED
AGAINST
HAIL STONESSOLAR
KEYMARK
5 5 year
guarantee

Technical data - Overall dimensions

| | | SOLAR COLLECTOR CF 2.0 |
|---------------------------|---------------------------------|---------------------------|
| Weight when empty | Kg | 35.6 |
| Max. operating pressure | bar | 6 |
| Collector liquid capacity | l | 1.02 |
| Absorption | % | 95 |
| Reflection | % | 5 |
| Aperture area | m ² | 1.82 |
| Absorbent area | m ² | 1.76 |
| η_0 | | 0.74* |
| k_1 | W/m ² K ² | 3.425* |
| k_2 | W/m ² K ² | 0.008* |
| T stagnation | °C | 161.6 |

* Data refers to the aperture area



SOLAR COLLECTORS

XP 2.5V



SOLAR COLLECTORS

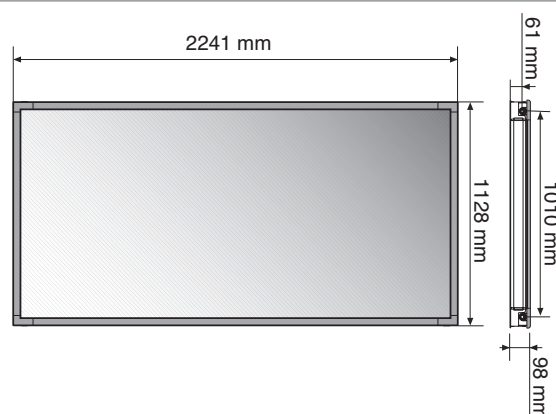
- TOTAL SURFACE AREA 2M²
- CAPTIVE SURFACE AREA 1.8M²
- FRAME: GREY ANODISED ALUMINIUM
- INSULATION: 50MM ROCKWOOL
- SPECIAL SOLAR GLASS – HIGH TRANSPARENCY, TEMPERED, ANTI REFLECTIVE AND PRISMATIC
- LOW MOUNTING PROFILE
- EN12975 APPROVED
- RAPID CONNECTION
- INTEGRATED SOLAR PROBE POCKET
- 5 YEAR GUARANTEE
- ABSORBER PLATE: HIGH GRADE COPPER WITH TINOX TITANIUM COATING

HIGHLY
ABSORBENTROCKWOOL
INSULATIONHIGH
DURABILITYCORROSION
RESISTANTTESTED
AGAINST
HAIL STONESSOLAR
KEYMARK5 year
guarantee

Technical data - Overall dimensions

| | | SOLAR COLLECTOR XP 2.5V |
|---------------------------|---------------------------------|----------------------------|
| Weight when empty | Kg | 48 |
| Max. operating pressure | bar | 6 |
| Collector liquid capacity | l | 2.1 |
| Absorption | % | 95 |
| Reflection | % | 5 |
| Aperture area | m ² | 2.256 |
| Absorbent area | m ² | 2.227 |
| η_0 | | 0.79* |
| k_1 | W/m ² K ² | 3.1* |
| k_2 | W/m ² K ² | 0.022* |
| T stagnation | °C | 177.1 |

* Data refers to the aperture area



SOLAR COLLECTORS

XP 2.5H



SOLAR COLLECTORS

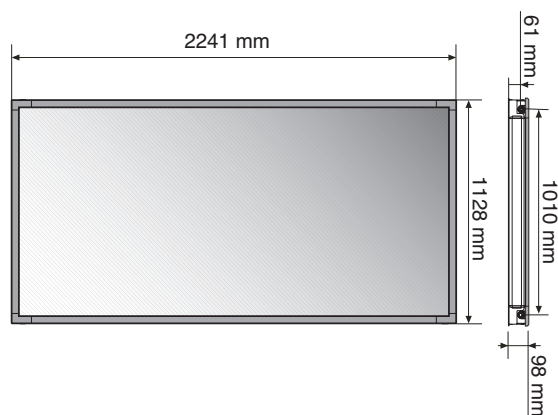
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- CAPTIVE SURFACE AREA 1.8M²
- FRAME: GREY ANODISED ALUMINIUM
- INSULATION: 50MM ROCKWOOL
- SPECIAL SOLAR GLASS – HIGH TRANSPARENCY, TEMPERED, ANTI REFLECTIVE AND PRISMATIC
- LOW MOUNTING PROFILE
- EN12975 APPROVED
- RAPID CONNECTION
- INTEGRATED SOLAR PROBE POCKET
- 5 YEAR GUARANTEE
- ABSORBER PLATE: HIGH GRADE COPPER WITH TINOX TITANIUM COATING

HIGHLY
ABSORBENTROCKWOOL
INSULATIONHIGH
DURABILITYCORROSION
RESISTANTTESTED
AGAINST
HAIL STONESSOLAR
KEYMARK
5 5 year
guarantee

Technical data - Overall dimensions

| | | SOLAR COLLECTOR XP 2.5H |
|---------------------------|---------------------------------|----------------------------|
| Weight when empty | Kg | 48 |
| Working pressure | bar | 6 |
| Collector liquid capacity | l | 2.5 |
| Absorption | % | 95 |
| Reflection | % | 5 |
| Aperture area | m ² | 2.26 |
| Absorbent area | m ² | 2.23 |
| η_0 | | 0.79* |
| k_1 | W/m ² K | 2.27* |
| k_2 | W/m ² K ² | 0.032* |
| T stagnation | °C | 171.9 |

* Data refers to the aperture area



AQUABRAVO

ITSI 215, 255, 305

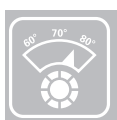


HIGH EFFICIENCY FLOOR STANDING TWIN COIL UNVENTED CYLINDERS

- QUALITY STAINLESS STEEL TANK, 12 BAR PRESSURE TESTED
- ENVIRONMENTALLY SOUND AND HIGHLY EFFICIENT THERMAL INSULATION
- ALL PLUMBING AND ELECTRICAL CONNECTIONS WITHIN A 60° ANGLE
- TWIN INDIRECT COILS FOR DUAL HEAT SOURCE APPLICATIONS
- CYLINDER THERMOSTATS WITH EXTERNAL REGULATION
- UNIQUE COIL DESIGN ALLOWS FULL QUANTITY OF WATER TO BE HEATED
- FACTORY FITTED 1/2" T&P RELIEF VALVE
- UNVENTED CONTROL KIT SUPPLIED WITH CYLINDER
- SIMPLE INSTALLATION
- 25 YEAR TANK GUARANTEE (2 YEAR GUARANTEE ON ELECTRICAL COMPONENTS)



STAINLESS STEEL TANK



TEMPERATURE REGULATION



ENVIRONMENTALLY FRIENDLY INSULATION

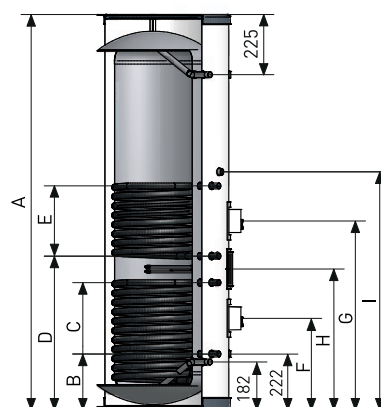
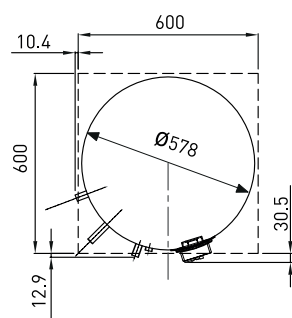


Technical data - Overall dimensions

| Model Product Code | | ITSI 215 3060263 | ITSI 255 3060264 | ITSI 305 3060265 |
|-------------------------------------|----------------|---------------------|---------------------|---------------------|
| Nominal capacity | l | 215 | 255 | 305 |
| Weight empty | kg | 55 | 60 | 65 |
| Weight full | kg | 270 | 315 | 370 |
| Heat Exchanger performance (top) | kW | 20.0 | 20.0 | 20.0 |
| Heat Exchanger performance (bottom) | kW | 27.0 | 27.0 | 27.0 |
| Coil surface area (top) | m ² | 0.75 | 0.75 | 0.75 |
| Coil surface area (bottom) | m ² | 1.1 | 1.1 | 1.1 |
| Indirect reheat time* (ΔT= 45°C) | min. | 24 | 29 | 34 |
| Indirect reheat time** (ΔT= 45°C) | min. | 17 | 20 | 24 |
| Voltage | V | 240 | 240 | 240 |
| Power | kW | 3 | 3 | 3 |
| Max. temperature. | °C | 70 | 70 | 70 |

* Based on single heating element 100% capacity
** Based on single heating element 70% capacity

| | ITSI 215 | ITSI 255 | ITSI 305 |
|------|----------|----------|----------|
| a mm | 1116 | 1029 | 1167 |
| b mm | 213 | 213 | 213 |
| c mm | 1462 | 1753 | 2029 |
| d mm | 481 | 481 | 481 |
| e mm | 578 | 578 | 578 |
| f mm | 183 | 183 | 183 |
| g mm | 580 | 580 | 580 |
| h mm | 843 | 843 | 843 |
| i mm | 996 | 1269 | 1540 |



NUOS Air Source Heat Pump Water Heaters & Accessories

| Description | Product Code |
|--|--------------|
| NUOS Air Source Heat Pump Cylinders | |
| NUOS FS 200 200 litre, Direct, Floor standing unvented heat pump cylinder (Requires 3069418) | 3210041 |
| NUOS FS 250i 250 litre, Indirect, Floor standing unvented heat pump cylinder (Requires: 3069419) | 3210042 |
| NUOS Accessories | |
| Unvented Kit (NUOS FS 200) | 3069418 |
| Unvented Kit (NUOS FS 250i) | 3069419 |
| Duct Kit (Inlet/Outlet) - ø150mm The kit consists of flexible grate with springs, two rigid pipes (1m and 1,5m) and a connector | 3208061 |
| 90° Elbow - ø150mm | 3208067 |
| 1 m Tube - ø150mm | 3208063 |
| 1.5 m Tube - ø150mm | 3208064 |
| Flexible Joint - ø150mm | 3208066 |
| 1 m Flexible Tube - ø150mm | 3208069 |
| Fixing Bracket (x2) | 3208068 |



Solar Systems

| Description | Product Code |
|--|--------------|
| Solar Comfort Systems | |
| Solar Comfort 2 Panel On-Tile System Includes: CF2.0 Solar Collectors x2 Roof Fixing Kit x1, Pump Station x1, 20 Litres Solar Fluid x1, Solar Controller (incl. 3 sensors) x1, Expansion Vessell (25l) x1, Single Panel Connection Kit x1, Additional Collector Connection Kit x1 | 3023217 |
| Solar Comfort 3 Panel On-Tile System Includes: CF2.0 Solar Collectors x3 Roof Fixing Kit x1, Pump Station x1, 20 Litres Solar Fluid x1, Solar Controller (incl. 3 sensors) x1, Expansion Vessell (25l) x1, Single Panel Connection Kit x1, Additional Collector Connection Kit x2 | 3023218 |
| Solar Comfort 2 Panel Flat Roof / Ground Includes: CF2.0 Solar Collectors x2 Flat Roof/Ground Frame x1, Pump Station x1, 20 Litres Solar Fluid x1, Solar Controller (incl. 3 sensors) x1, Expansion Vessell (25l) x1, Single Panel Connection Kit x1, Additional Collector Connection Kit x1 | 3023219 |
| Solar Comfort 3 Panel On-Tile System Includes: CF2.0 Solar Collectors x3 Flat Roof/Ground Frame x2, Pump Station x1, 20 Litres Solar Fluid x1, Solar Controller (incl. 3 sensors) x1, Expansion Vessell (25l) x1, Single Panel Connection Kit x1, Additional Collector Connection Kit x2 | 3023220 |

Solar Thermal Components & Accessories

| Description | Product Code |
|--|--------------|
| CF2.0 Solar Panels & Fixing Kits | |
| CF2.0 Solar Collector | 3020008 |
| Connection Kit - 1 Collector (incl. Air Vent) | 3024017 |
| Connection Kit - Additional Collector | 3024018 |
| On-Tile Rail Kit - 2 Collectors | 3107024 |
| On-Tile Rail Kit - 3 Collectors | 3107025 |
| Ground/Flat Roof Frame - 1 Collector | 3024103 |
| XP 2.5 Solar Panels & Fixing Kits | |
| XP 2.5 V Solar Collector | 3020027 |
| XP 2.5 H Solar Collector | 3020028 |
| Connection Kit - Single Collector (XP 2.5 V/H) | 3024093 |
| Air Vent (XP 2.5 V/H) | 3024098 |
| Connection Kit - Additional Collector (XP 2.5 V/H) | 3024094 |
| Ground/Flat Roof Frame - 1 Collector (XP 2.5 V) | 3024103 |
| Ground/Flat Roof Frame - 1 Collector (XP 2.5 H) | 3024105 |
| Solar Thermal Accessories | |
| Solar Pump Station | 3024056 |
| Solar Controller & Probes | 3104047 |
| Expansion Vessel & Bracket (25l) | 4448666451 |
| Glycol (20l) | 3820001 |
| Insulated Flexible Twin Pipe - 10m | 3024069 |

Twin Coil Cylinders

| Description | Product Code |
|--|--------------|
| Stainless Steel Twin Coil Unvented Cylinders | |
| Aquabravo ITSI 215 215 litre, Stainless Steel, Unvented Twin Coil Cylinder c/w Unvented control kit | 3060263 |
| Aquabravo ITSI 255 255 litre, Stainless Steel, Unvented Twin Coil Cylinder c/w Unvented control kit | 3060264 |
| Aquabravo ITSI 305 305 litre, Stainless Steel, Unvented Twin Coil Cylinder c/w Unvented control kit | 3060265 |



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