Heating Hot water Renewables

ARISTON

RENEWABLES

NUOS HEAT PUMP WATER HEATERS

CF 2.0 & XP 2.5 SOLAR COLLECTORS

AQUABRAVO TWIN COIL UNVENTED CYLINDERS

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Products and Accessories

Eco-friendly home?
It can be with Ariston

Ariston, a tradition that evolves

For many years, we have entered the homes of millions of families who choose **Ariston** to improve and simplify their everyday lives, always with the highest quality in mind.

Thanks to this interaction, **Ariston** has grown to become the world's largest manufacturer of water heaters and the 3rd largest manufacturer of heating products in Europe.

Evidence of **Ariston's** commitment to helping homeowners reduce their carbon footprint can be seen not only in becoming the first cylinder manufacturer to obtain **Energy Saving Trust Recommended** status for their **Classico** and **Aquabravo** products but also in their renewable product offering.

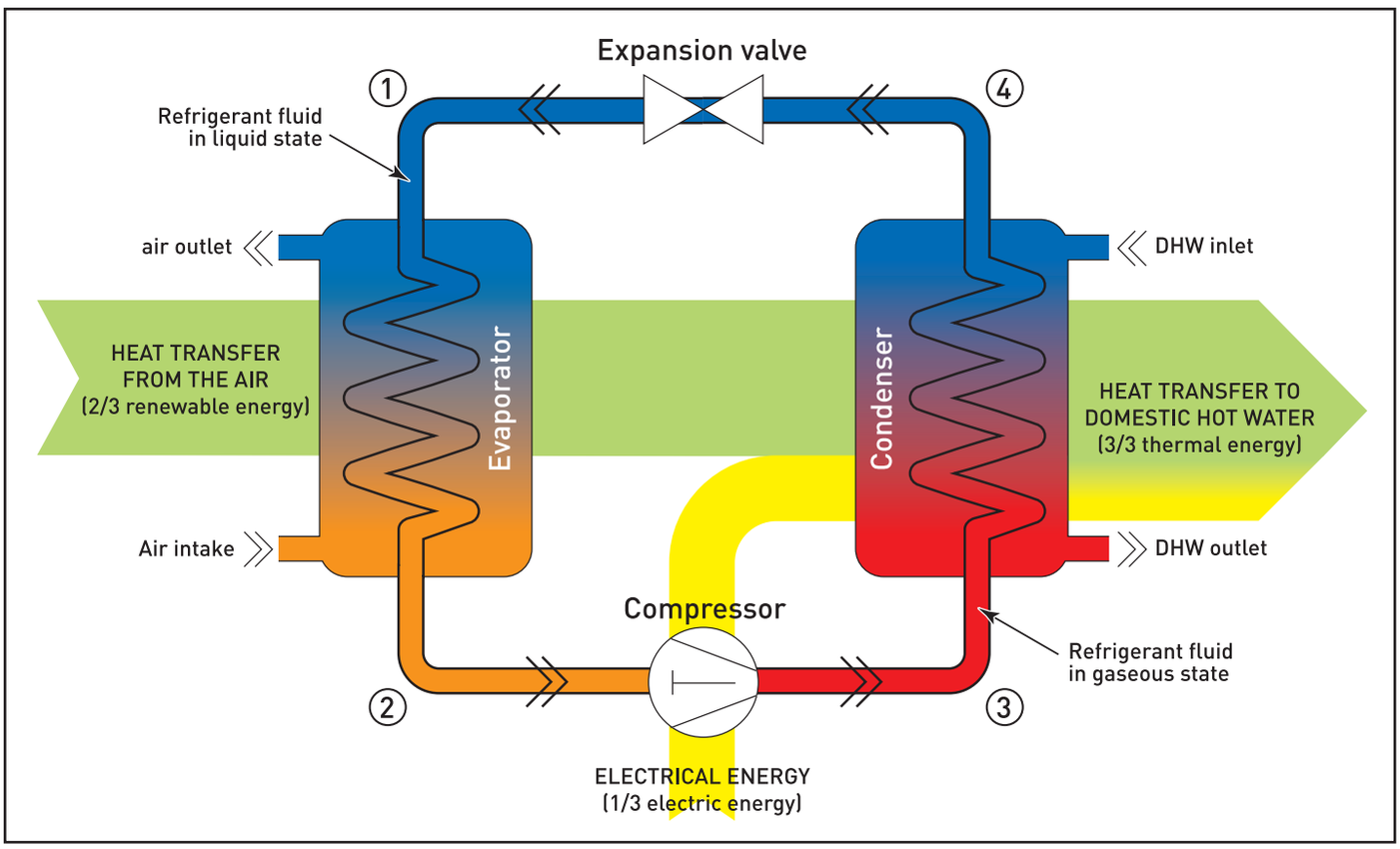
Starting with their traditional **Solar Thermal Collectors** and **Twin Coil Cylinders**, Ariston offer 2 metre flat plate collectors (**CF range**) as well as 2.5 metre flat plate collectors (**XP range**), all of which are ideally suited for use with the **Aquabravo ITSI** range of Unvented Twin Coil Cylinders.

As well as Solar Thermal systems, **Ariston** also offer the innovative **NUOS** Heat Pump Cylinder which combines an air source heat pump with an unvented cylinder.

With the **NUOS** from Ariston installers who hold their G3 qualification can offer their customers an easy to install renewable technology without the need for additional training as the refrigerant circuit is sealed, no F-Gas qualifications are needed.

With all this in mind, it becomes clear that **Ariston** can offer a renewable solution for the production and storage of hot water for almost every application.

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



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.

efficiency

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-LEGIONELLA FUNCTION

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

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

NUOS

FS 200

FLOOR STANDING DIRECT AIR SOURCE HEAT PUMP WATER HEATER

- CO-EFFICIENT OF PERFORMANCE (COP) 3.7 (@ 15ºC)
- 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
- 'PLUG AND PLAY' - NO F-GAS QUALIFICATIONS NEEDED TO INSTALL
- 5 YEAR TANK GUARANTEE (2 YEAR GUARANTEE ON ELECTRICAL COMPONENTS)

HIGH EFFICIENCY

R134A

ENAMELLED STEEL TANK

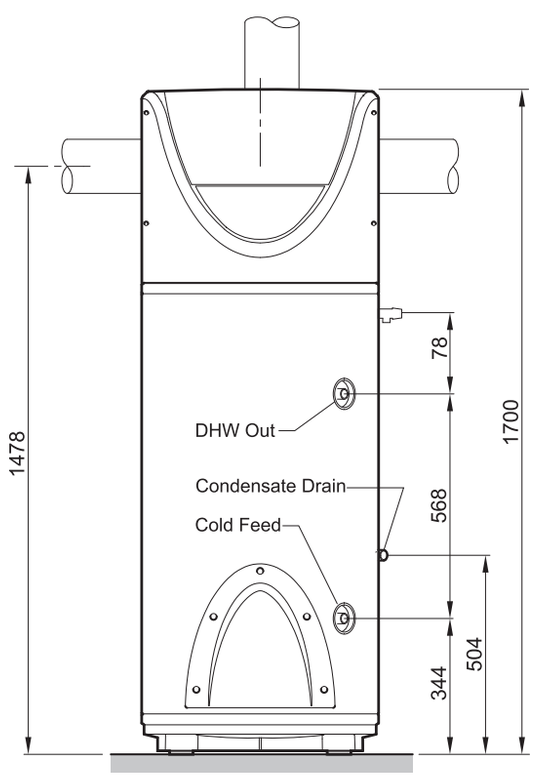
ENERGY SAVING

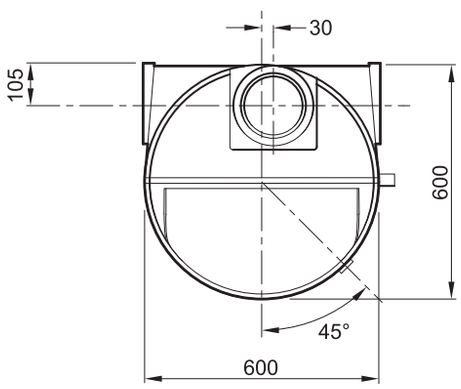
NO CFC

ENVIRONMENTALLY FRIENDLY INSULATION

5 year guarantee

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	1.75
CYLINDER		
Normal Operating Pressure	bar	3.5
Maximum Water Supply Pressure	bar	12
Hot/Cold Water Connection		3/4" BSP - 22mm
Heat Loss (@ 65ºC)	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 45ºC)*	mins	236
Heating Energy Consumed*	kW/h	2.2
Maximum Water Temp (Heat Pump Only)	ºC	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	ºC	1
Max. Temp of Room of Installation	ºC	35
Min. Volume of Room (non-ducted)	m^3	20
Min. Air Temp Required (w.b.) @ 90% r.h.	ºC	-5
Max. Air Temp Required (w.b.) @ 90% r.h.	ºC	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	**Code**
NUOS FS 200	3210041
Unvented Kit	3069418
Duct Kit (Inlet/Outlet) - Ø150mm / Ø200mm	3208061 / 3208071
90º Elbow - Ø150mm / Ø200mm	3208067 /3208075
Wall Fixing brackets (2) - Ø150mm / Ø200mm	3208068 / 3208077

Accessories

AIR DUCT	Code (Ø150mm)	Code (Ø200mm)
1m Tube	3208063	3208072
1.5m Tube	3208064	--------
2m Tube	--------	3208073
Joint	3208066	3208074
45º Elbow	3208067	3208076
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 (@ 15ºC)
- 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
- INDIRECT COIL FOR USE WITH SOLAR SYSTEMS OR GAS/OIL BOILER
- 5 YEAR TANK GUARANTEE (2 YEAR GUARANTEE ON ELECTRICAL COMPONENTS)
- 'PLUG AND PLAY' - NO F-GAS QUALIFICATIONS NEEDED TO INSTALL

HIGH EFFICIENCY

R134A

ENAMELLED STEEL TANK

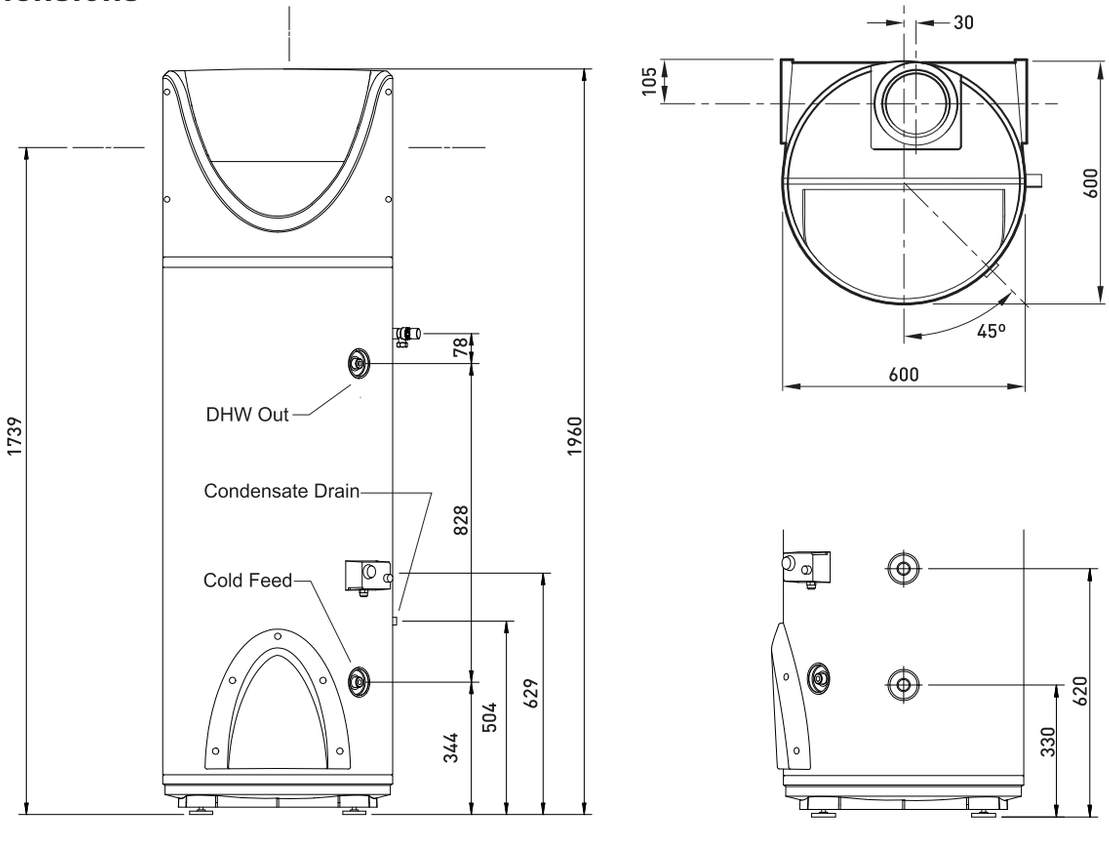
ENERGY SAVING

NO CFC

ENVIRONMENTALLY FRIENDLY INSULATION

5 year guarantee

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
CYLINDER		
Normal Operating Pressure	bar	3.5
Maximum Water Supply Pressure	bar	12
Hot/Cold Water Connection		3/4" BSP - 22mm
Heat Loss (@ 65ºC)	kW/h in 24hr	2.05
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 45ºC)*	mins	302
Heating Energy Consumed*	kW/h	2.7
Maximum Water Temp (Heat Pump Only)	ºC	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	ºC	1
Max. Temp of Room of Installation	ºC	35
Min. Volume of Room (non-ducted)	m^3	20
Min. Air Temp Required (w.b.) @ 90% r.h.	ºC	-5
Max. Air Temp Required (w.b.) @ 90% r.h.	ºC	35
REHEAT TIME		
100% Capacity (Heat Pump Only - ΔT 45ºC)	mins	302
70% Capacity (Heat Pump Only - ΔT 45ºC)	mins	231
100% Capacity ((Heat Pump & Element - ΔT 45ºC)	mins	194
70% Capacity (Heat Pump & Element - ΔT 45ºC)	mins	137

Model	**CODE**
NUOS FS 250i	3210042
Unvented Kit	3069419
Duct Kit (Inlet/Outlet) - Ø150mm / Ø200mm	3208061 / 3208071
90º Elbow - Ø150mm / Ø200mm	3208067 /3208075
Wall Fixing brackets (2) - Ø150mm / Ø200mm	3208068 / 3208077

Accessories

AIR DUCT	Code (Ø150mm)	Code (Ø200mm)
1m Tube	3208063	3208072
1.5m Tube	3208064	--------
2m Tube	--------	3208073
Joint	3208066	3208074
45º Elbow	3208067	3208076
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

Ariston offer all components needed for a solar thermal system: solar panels, pump station, solar controller and twin coil unvented cylinders (**Aquabravo ITSI**), giving a complete solar package from a single source.

The solar panels absorb the heat from the suns 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 SYSTEMS

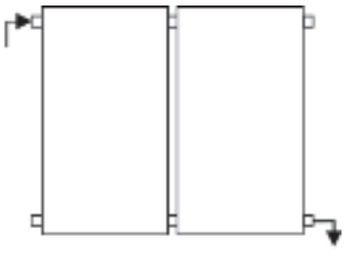
- READY TO FIT OUT OF THE BOX
- SINGLE ROOF KIT SUITABLE FOR POPULAR TILE TYPES, INCL. SLATE
- 2 PANEL SYSTEM SUITABLE FOR USE WITH AQUABRAVO ITSI 215 & 255 CYLINDERS
- 3 PANEL SYSTEM SUITABLE FOR USE WITH AQUABRAVO ITSI 255 & 305 CYLINDERS
- 10M INSULATED FLEXIBLE TWIN PIPE AVAILABLE AS AN ACCESSORY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

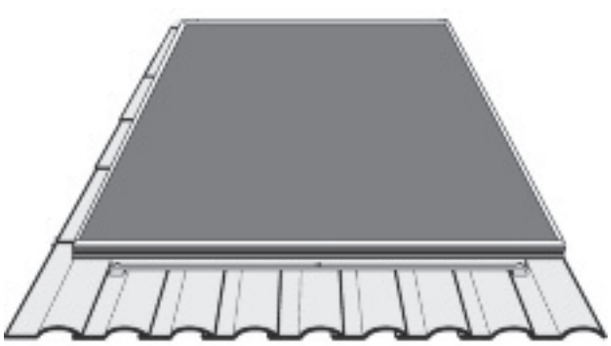
- READY TO FIT OUT OF THE BOX
- SINGLE ROOF KIT SUITABLE FOR POPULAR TILE TYPES, INCL. SLATE
- 2 PANEL SYSTEM SUITABLE FOR USE WITH AQUABRAVO ITSI 215 & 255 TWIN COIL CYLINDERS
- 3 PANEL SYSTEM SUITABLE FOR USE WITH AQUABRAVO ITSI 255 & 305 TWIN COIL CYLINDERS
- 10M INSULATED FLEXIBLE TWIN PIPE AVAILABLE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

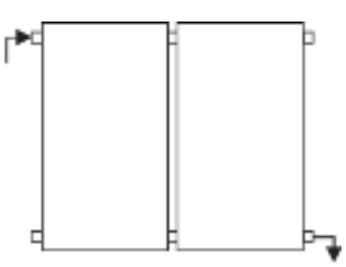
HIGHLY ABSORBENT | ON-TILE INSTALLATION | HIGH DURABILITY | CORROSION RESISTANT | TESTED AGAINST HAILSTONES

5 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

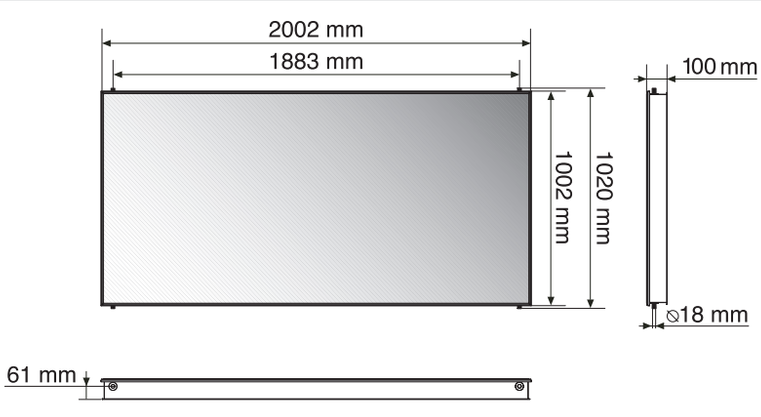
- TOTAL SURFACE AREA 2M^2
- CAPTIVE SURFACE AREA 1.8M^2
- FRAME: GREY ANODISED ALUMINIUM
- INSULATION: 50MM ROCKWOOL
- SPECIAL SOLAR GLASS – HIGH TRANSPARENCY, TEMPERED, ANTI REFLECTIVE AND PRISMATIC
- LOW MOUNTING PROFILE
- EN12975 APPROVED
- 5 YEAR GUARANTEE
- ABSORBER PLATE: HIGH GRADE COPPER WITH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

HIGHLY ABSORBENT | ROCKWOOL INSULATION | HIGH DURABILITY | CORROSION RESISTANT | TESTED AGAINST HAIL STONES | SOLAR KEYMARK | 5 year guarantee

Technical data - Overall dimensions

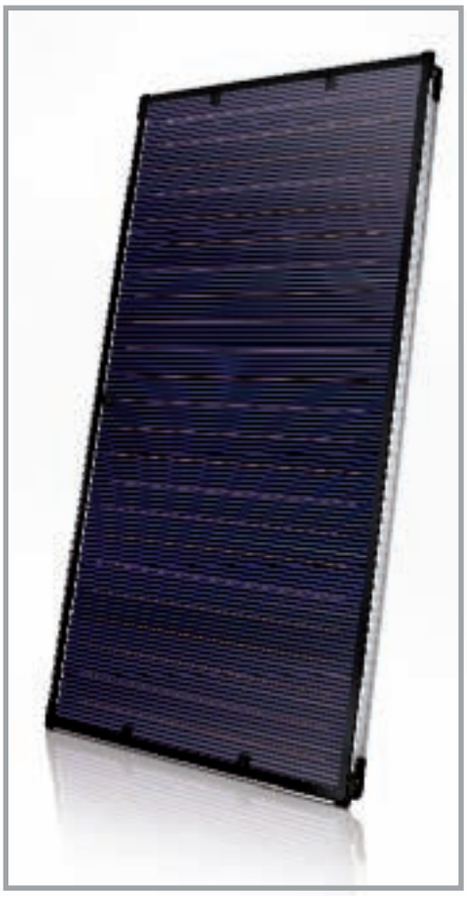
		SOLAR COLLECTOR CF 2.0
Weight when empty	Kg	35.6
Max. operating pressure	bar	6
Collector liquid capacity	l	1.02
Absorption	%	95
Reflection	%	5
Aperture area	m^2	1.82
Absorbent area	m^2	1.76
η_0		0.74*
k_1	W/m^{2}K^2	3.425*
k_2	W/m^{2}K^2	0.008*
T stagnation	°C	161.6

* Data refers to the aperture area



SOLAR COLLECTORS

XP 2.5V



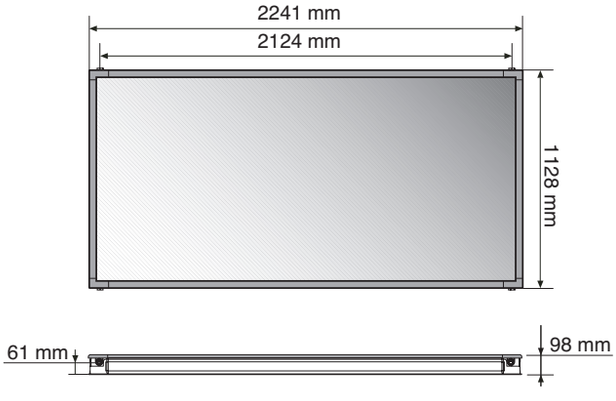
SOLAR COLLECTORS

- TOTAL SURFACE AREA 2.5M^2
- APERTURE AREA 2.25M^2
- 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

Technical data - Overall dimensions

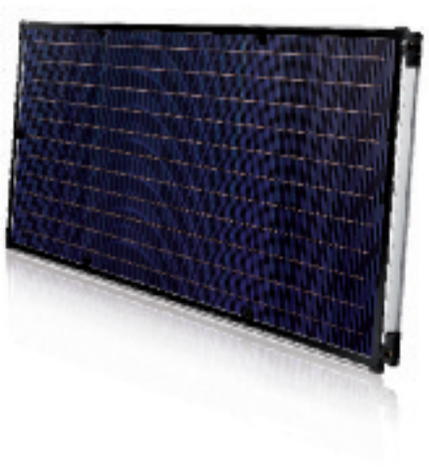
		SOLAR COLLECTOR XP 2.5V
Weight when empty	Kg	48
Max. operating pressure	bar	6
Collector liquid capacity	l	2.1
Absorption	%	95
Reflection	%	5
Aperture area	m^2	2.256
Absorbent area	m^2	2.227
η_0		0.79*
k_1	W/m^{2}K^2	3.1*
k_2	W/m^{2}K^2	0.022*
T stagnation	°C	177.1

* Data refers to the aperture area



SOLAR COLLECTORS

XP 2.5H



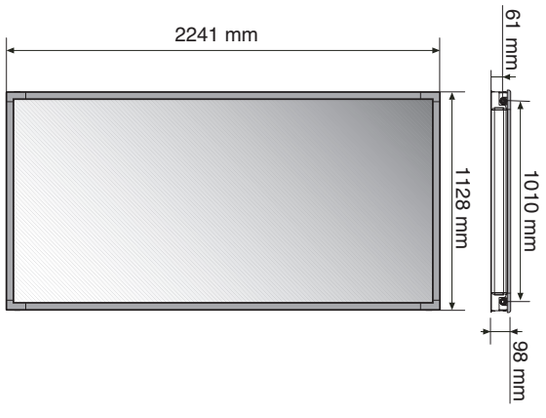
SOLAR COLLECTORS

- TOTAL SURFACE AREA 2.5M^2
- APERTURE AREA 2.25M^2
- 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

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

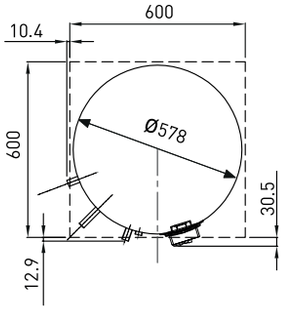
ENVIRONMENTALLY FRIENDLY INSULATION

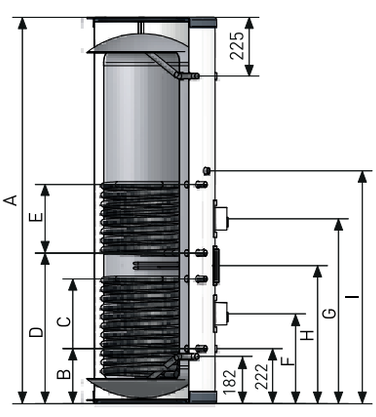
Technical data - Overall dimensions

Model Product Code		ITSI 215 3826500	ITSI 255 3826501	ITSI 305 3826502
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

	ITSI 215	ITSI 255	ITSI 305
a mm	1462	1753	2029
b mm	213	213	213
c mm	268	268	268
d mm	580	580	580
e mm	263	263	263
f mm	346	346	346
g mm	711	711	711
h mm	531	531	531
i mm	1116	1029	1167

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





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
90º 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) - ø150mm	3208068
Duct Kit (Inlet/Outlet) - ø200mm The kit consists of flexible grate with springs, two rigid pipes (1m and 2m) and a connector	3208071
45º Elbow - ø200mm	3208076
90º Elbow - ø200mm	3208075
1 m Tube - ø200mm	3208072
2 m Tube - ø200mm	3208073
Joint - ø200mm	3208074
Fixing Bracket (x2) - ø200mm	3208077
Flexible grate w/springs - ø200mm	3208078

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	3826500
Aquabravo ITSI 255 255 litre, Stainless Steel, Unvented Twin Coil Cylinder c/w Unvented control kit	3826501
Aquabravo ITSI 305 305 litre, Stainless Steel, Unvented Twin Coil Cylinder c/w Unvented control kit	3826502

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