

The logo for Aquatech Heating Solutions features the word "Aquatech" in a blue, sans-serif font with a white outline. The letter "a" is stylized with a blue, wavy water-like texture. Below "Aquatech" is a red rectangular box containing the words "HEATING SOLUTIONS" in white, uppercase, sans-serif font. A red swoosh arches over the text from the left side.

**Aquatech**  
HEATING SOLUTIONS

# PRODUCT CATALOGUE

ISSUE 9



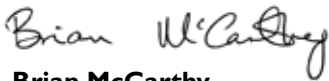
Dear Customer,

Firstly, I would like to thank our existing customers for their support over our 32 years of trading and to welcome our new customers and assure you we will always strive to serve you to the best of our ability and ensure that you get the attention and service you deserve.

In this our newest and biggest catalogue yet, we have a variety of new products for you, it has been designed with you the user in mind and navigation has never been easier. Each main type of product has its own section for example pumps, pipe, underfloor, pressure vessels etc., associated products such as pump valves are included in the pump section as well as the valve section.

Each of these products have been tested and approved as suitable for use within the Irish and UK market. Certification and user details are at the back of the catalogue. If there is something that you require that is not in our catalogue then please contact us with your enquiry as we may be able to source the products for you. If you are a Developer, Engineer or Architect we will be only too happy to call to your offices to explain our systems to you. We will help with the design of your systems and explain how our products will help you to meet with current regulations as economically as possible.

Kind Regards,



**Brian McCarthy**  
Director



**Aquatech Heating Solutions** Unit 27 Togher Industrial Estate, Togher, Cork, T12 EY28.



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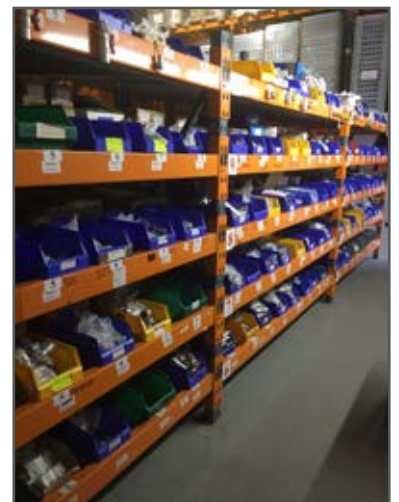




Visit our showroom and trade counter in Togher Industrial Estate, Cork.












Our warehouse is fully stocked. No waiting for orders.



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# NEW PRODUCTS

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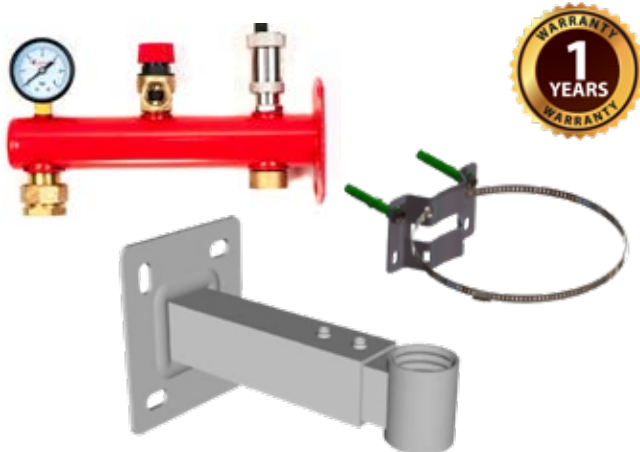
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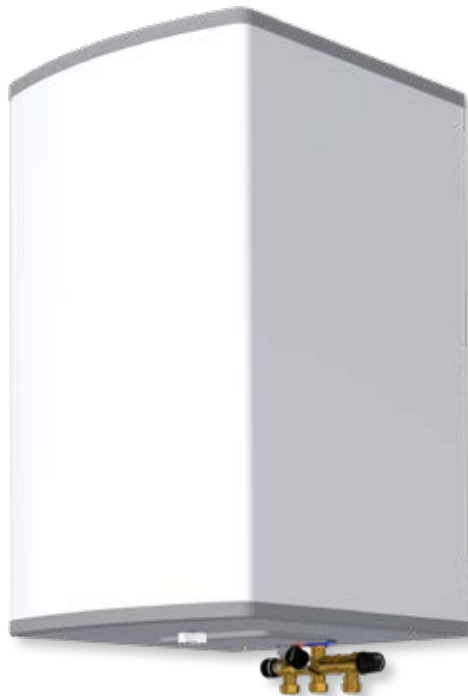
# HOT WATER CYLINDERS

## 1 HOIAX CYLINDERS



**NO ANODES  
REQUIRED**

**NO QUIBBLE  
WARRANTY**



Scan to see  
full brochure



HOIAX CYLINDERS

# AQUATECH HOIAX PARTNERSHIP

Aquatech are the exclusive distribution partner for Hoiax in Ireland North and South. Aquatech and Hoiax have partnered together to manufacture cylinders that are suitable for all water types. No yearly expensive maintenance.

Hoiax is one of the leading independent manufacturers of stainless steel hot water cylinders in Europe. Founded in 1927 in Fredrikstad, Hoiax is Norway's oldest manufacturer of water cylinders.

Hoiax has its own Research and Development Department as well as laboratory facilities. Hoiax uses state of the art robotic welding techniques. To guarantee quality Hoiax manufactures every essential part of the cylinders in house.



## ABOUT 1.4521/444 STAINLESS STEEL

Stainless steel is the ideal material for sanitary hot water cylinders and offers a great deal of advantages compared to copper and enamelled glass lined steel cylinders. 1.4521/444 Stainless steel is safe and hygienic, strong and light. It is free of maintenance and has an almost unlimited durability. There are different types of stainless steel and within those types there are various grades, Not every type and certainly not every grade is suited for the application in sanitary hot water.

With increased chloride contents, water at higher temperatures can become extremely aggressive. When Chlorine reacts with water, it forms a mixture of hydrochloric acid and chloric acid. In a stainless water cylinder environment, pitting corrosion and crevice corrosion can occur. This is why 1.4521/444 is used due to its ability to resist this reaction having an adverse effect on it causing premature failure, unlike alternative grades of stainless steel.

## QUALITY

At Aquatech, we do not compromise on quality. Quality starts with the design. HOIAX is ISO9001 certified. This guarantees the quality by measuring and checking every product of a new production batch with electronic measuring equipment. Also every single hot water cylinder is submitted to a 13 bar pressure test.

Aquatech has a variety of standard hot water cylinders for all of applications. Indirectly heated, vertical, horizontal and wall-hung which can be applied in combination with heat pumps, solar, gas and oil fired boilers.

The available capacities vary from 5 to 300 litres in the Hoiax product range. The cylinders are manufactured with high quality EPS/NEOPOR insulation.

# DIRECT CYLINDERS

## WELL WATER APPROVED

### Hoiax Eco Express Direct Direct Cylinder

Immersion included

**NO QUIBBLE  
WARRANTY**

The Titanium Eco series of cylinders is developed for tomorrows demand. Fitted with two immersions in the 200 and 300 models which makes it extremely suitable for solar PV It is also well water approved. No Sacrificial anodes, so no servicing required and a full no quibble 10 year warranty. Marine grade stainless steel 1.4521/444.



#### ADVANTAGES

- High density CFC free and fire retardant polyurethane foam insulation
- 1.4521/444 Niobium - Titanium stabilized stainless steel (Marine Grade)
- Offers excellent protection against corrosion
- The thickness of the steel is greater than that used by other manufacturers
- 10 year no quibble warranty on the cylinder and two years on the immersions.
- Immersion setting range temperature is 35°C - 80°C



TECHNICAL DATA		120L	200L	300L
Dimension	MM	Ø585 x 830	Ø585 x 1229	Ø585 x 1705
Immersion Heater	kW	1.95 kW	2 x 3 kW	2 x 3 kW
Real energy efficiency		A	A	A
Volume	L	120	200	300
Weight	KG	21	31	45

Code	Description
CYEL117	Hoiax Titanium 120 Eco Express Direct (Single 1.95 kW Immersion)
CYEL118	Hoiax Titanium 200 Eco Express Direct (Twin 3 kW Immersions)
CYEL119	Hoiax Titanium 300 Eco Express Direct (Twin 3 kW Immersions)



# DIRECT CYLINDERS

## WELL WATER APPROVED

### Hoiax Quadro V Series Direct Electric Wall Mounted Water Heater

1.95 kW immersion pre installed

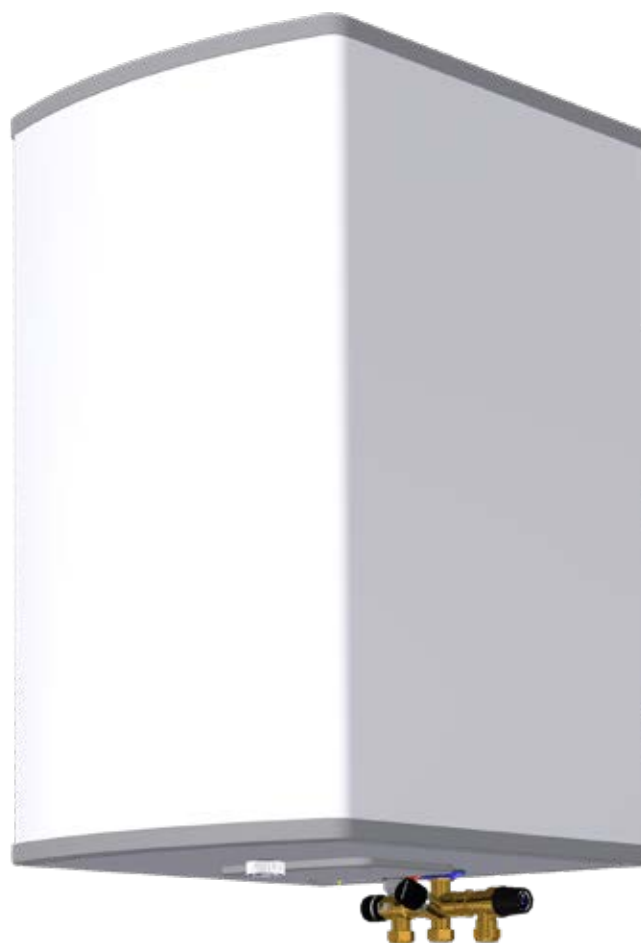
**NO QUIBBLE WARRANTY**

The Quadro V Series is a wall mounted water heater in sizes; 60 and 110 Litres. The water heater has an adjustable thermostat ranging from 53°C - 85° Suitable for well and mains water. No Sacrificial anodes so no servicing required and a full no quibble 10 year warranty. Marine grade stainless steel 1.4521/444.



#### ADVANTAGES

- High density CFC free and fire retardant polyurethane foam insulation, this greatly reduces energy costs by up to 15% extra
- 10 year no quibble warranty on cylinder and two years on immersion
- Wall Mounted in two sizes 60 and 110 Litre
- Supplied with thermostatic mixing valve and combined safety and isolation valve as shown
- 1.4521/444 Niobium - Titanium stabilized steel (Marine Grade)



TECHNICAL DATA		60L	110L
Dimension	MM	747x450x454	1120x450x454
Immersion Heater	kW	1.95 kW	1.95 kW
Real energy efficiency		A	A
Volume	L	60	110
Weight	KG	23	33

Code	Description
CYEL114	Hoiax Quadro V 60 Litre Wall mounted Direct Water Heater (1.95 KW Immersion)
CYEL115	Hoiax Quadro V 110 Litre Wall mounted Direct Water Heater (1.95 KW Immersion)



# HEAT PUMP CYLINDER

## WELL WATER APPROVED

### Hoiax Titanium VPM Eco

#### HEAT PUMP SINGLE COIL 272 LITRES

3 kW immersion pre installed

**NO QUIBBLE  
WARRANTY**

The optimal heat pump hot water cylinder Titanium VPM Eco 300 has very large coil surface area to accommodate heat pump performance. It maximizes the efficiency of the heat pump, and thus your savings. Suitable for well and mains water: Immersion is at the bottom of the cylinder which enhances the use of Solar PV to heat the water.



#### ADVANTAGES

- Suitable for mains and well water
- High density CFC free and fire retardant polyurethane foam insulation
- This can reduce energy costs by up to 15%
- 1.4521/444 Niobium-Titanium stabilized steel (Marine Grade)
- 3kW immersion pre factory installed
- Rapid recovery coil
- Suitable for heat pumps, gas and oil



TECHNICAL DATA	VPM ECO 300	
Dimension	MM	Ø 585 x 1670
Immersion Heater	kW	3
Real energy efficiency		A
Usable volume	L	260
Weight	KG	51
Coil surface area	3.02 m <sup>3</sup>	30mm coil

Code	Description
CYEL116	Hoiax Heat Pump Single Coil VPM 272 Cylinder C/W (3 kW Immersion)



# INDIRECT CYLINDERS WELL WATER APPROVED

## 2 AIRO CYLINDERS

**MARINE GRADE  
STAINLESS STEEL**

**NO QUIBBLE  
WARRANTY**

**NO ANODES  
REQUIRED**



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# INDIRECT CYLINDERS

## WELL WATER APPROVED

### AirO Kendra

150 Litre Cylinder  
(Suitable for Heat Pumps)

#### ADVANTAGES

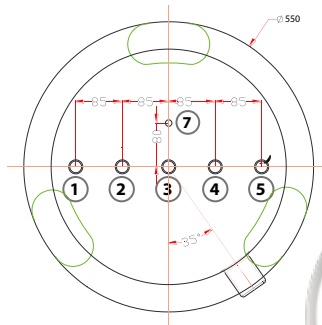
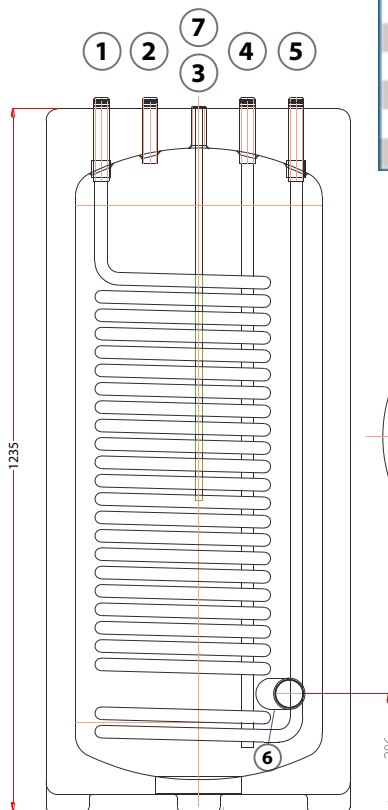
- Manufactured from 1.4521/444 marine grade stainless steel
- Suitable for heat pumps (up to 16 kW on 3/4" pipe)
- Immersion (optional)
- Rapid recovery high gain coil
- Can be used with oil and gas boilers (faster heat up)
- This model is NOT suitable for gravity solid fuel boiler systems (the coil must have a pump on it)
- 10 year manufacturer warranty on cylinder
- Mains and well water approved



**NO QUIBBLE  
WARRANTY**



Airo WPS 150L		
1	Heating flow	3/4"
2	Hot water outlet	3/4"
3	Safety valve or secondary return	1/2"
4	Cold water inlet	3/4"
5	Heating return	3/4"
6	Immersion element (optional extra)	1 1/2"
7	Sensor pocket	



TECHNICAL DATA		150
Dimension	MM	Ø 580x1225
Energy rating		B
Usable volume	L	150
Weight	KG	52
Coil surface	m <sup>2</sup>	1,6
Maximum Operating Coil Pressure	bar	20
Maximum Operating Cylinder Pressure	bar	8
Maximum Cylinder Temperature	°C	90
Coil Power 50°C	kw	26
	l/h	640
Immersion Heating Element	1 1/2"	OPTIONAL

A suitably sized potable expansion vessel and safety valve are required. A thermostatic anti scald blending valve is recommended on the hot water outlet.

Code	Description
CYEL415	Airo WPS 150 Single Coil Heat Pump Cylinder



# INDIRECT CYLINDERS

## WELL WATER APPROVED

## AirO Kendra

200 Litre Cylinder  
(Suitable for Heat Pumps)

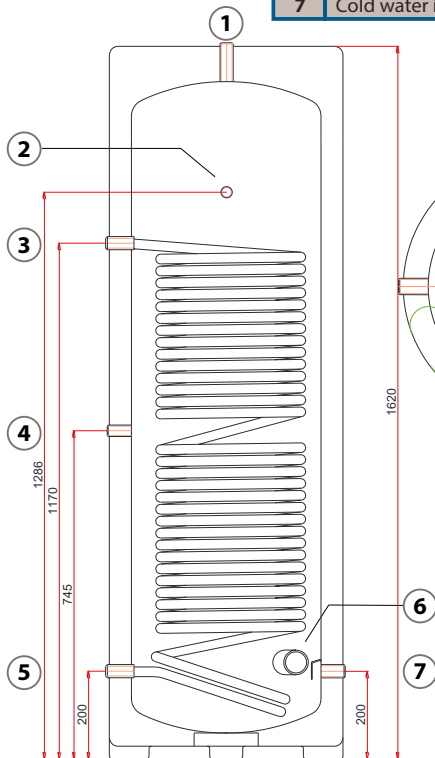
### ADVANTAGES

- Manufactured from 1.4521/444 marine grade stainless steel
- Suitable for heat pumps (up to 16 kW on 3/4" pipe)
- Immersion (optional)
- Rapid recovery high gain coil
- Can be used with oil and gas boilers (faster heat up)
- This model is NOT suitable for gravity solid fuel boiler systems (the coil must have a pump on it)
- 10 year manufacturer warranty on cylinder
- Mains and well water approved



**NO QUIBBLE  
WARRANTY**

Airo WPS 200L		
1	Hot water outlet	3/4"
2	Secondary circulation or safety valve	1/2"
3	Heating flow	3/4"
4	Boiler control thermostat (optional extra)	1/2"
5	Heating return	3/4"
6	Immersion element (optional extra)	1 1/2"
7	Cold water inlet	3/4"



A suitably sized potable expansion vessel and safety valve are required. A thermostatic anti scald blending valve is recommended on the hot water outlet.

TECHNICAL DATA		200
Dimension	MM	Ø 530x1610
Energy rating		B
Usable volume	L	200
Weight	KG	71
Coil surface	m <sup>2</sup>	2,2
Maximum Operating Coil Pressure	bar	20
Maximum Operating Cylinder Pressure	bar	8
Maximum Cylinder Temperature	°C	90
Coil Power 50°C	kw	36
	l/h	1415
Coil Power 70°C	kw	57
	l/h	885
Immersion Heating Element	1 1/2"	OPTIONAL

Code	Description
CYEL410	Airo WPS 200 Single Coil Heat Pump Cylinder

# INDIRECT CYLINDERS

## WELL WATER APPROVED

### Airo Kendra

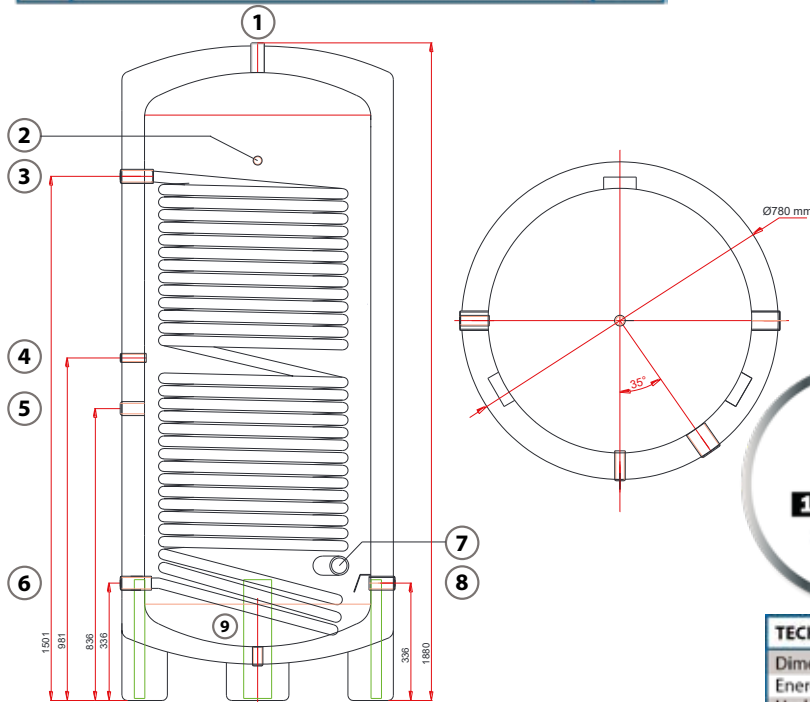
500 Litre Cylinder  
(Suitable for Heat Pumps)

**NO QUIBBLE  
WARRANTY**

#### ADVANTAGES

- Manufactured from 1.4521/444 marine grade stainless steel
- Immersion (optional)
- Rapid recovery high gain coil
- Can be used with oil and gas boilers (faster heat up)
- 10 year manufacturer warranty on cylinder
- Mains and well water approved

Airo WPS 500L		
1	Hot water outlet	1"
2	Secondary return	½"
3	Heating flow	1"
4	Adjustable thermostat (optional extra)	½"
5	Optional extra tapping / P&T Valve	¾"
6	Heating return	1"
7	Immersion (optional extra)	1 ½"
8	Cold water inlet	1"
9	Drain	¾"



TECHNICAL DATA		500
Dimension	MM	Ø 780x1880
Energy rating		B
Usable volume	L	500
Weight	KG	143
Coil surface	m <sup>2</sup>	4,5
Maximum Operating Coil Pressure	bar	20
Maximum Operating Cylinder Pressure	bar	8
Maximum Cylinder Temperature	°C	90
Coil Power 50°C	kw	71
	l/h	2124
Coil Power 70°C	kw	114
	l/h	1752
Immersion Heating Element	1 ½"	OPTIONAL

A suitably sized potable expansion vessel and safety valve are required. A thermostatic anti scald blending valve is recommended on the hot water outlet.

Code	Description
CYEL413	Airo WPS 500 Single Coil Heat Pump Cylinder

AIRO CYLINDERS

# INDIRECT CYLINDERS

## WELL WATER APPROVED

### AirO Kendra

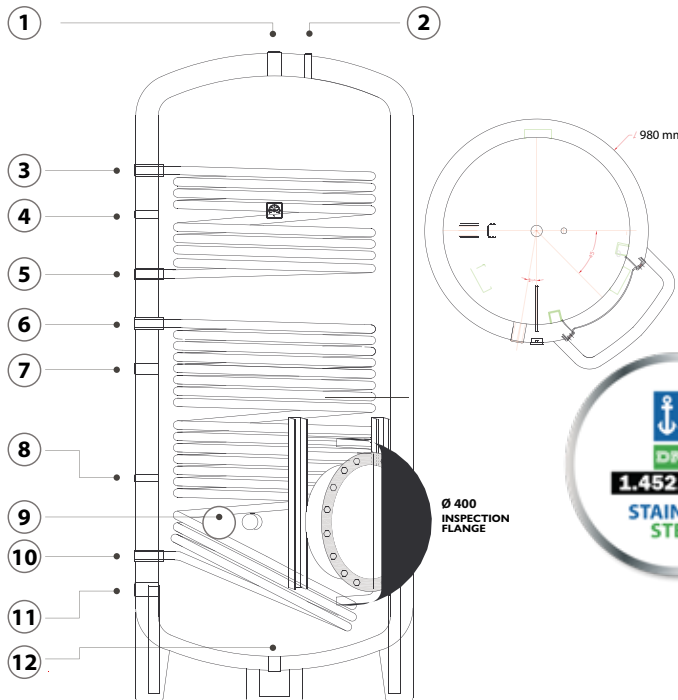
1000 Litre Cylinder  
(Suitable for Heat Pumps)

**NO QUIBBLE  
WARRANTY**

#### ADVANTAGES

- Manufactured from 1.4521/444 marine grade stainless steel
- Immersion (optional)
- Rapid recovery high gain coil
- Can be used with oil and gas boilers (faster heat up)
- 10 year manufacturer warranty on cylinder
- Mains and well water approved

TECHNICAL DATA		
1	Hot water outlet	1½"
2	Safety valve or secondary return	½"
3	Heating flow (top)	1"
4	Temperature pocket (optional)	½"
5	Heating return (top)	1"
6	Heating flow (Bottom)	1"
7	Safety valve or secondary return	1"
8	Temperature pocket (optional)	½"
9	Immersion pocket (Optional)	1½"
10	Heating return (Bottom)	1"
11	Cold water inlet	1½"
12	Water drain	1"



A suitably sized potable expansion vessel and safety valve are required. A thermostatic anti scald blending valve is recommended on the hot water outlet.

TECHNICAL DATA		AirO 1000 Dual Coil
Dimension	MM	Ø 980x2300
Immersion heater (optional)	kW	3 to 9
Energy Label		B
Usable volume	L	1000
Weight	KG	196
Maximum operating temperature	°C	90
Maximum operating pressure	bar	8
Material	1.4521/444 Marine Grade Stainless Steel	
Upper coil surface area	m <sup>2</sup>	1.7
Lower coil surface area	m <sup>2</sup>	3.58
Coil volume (both coils)	L	42.2

Code	Description
CYEL420	Airo 1000 Dual Coil Heat Pump Cylinder

# 99% EFFICIENT CYLINDER

## THE MOST ADVANCED ON THE MARKET

### 3 CALPAK HOT WATER CYLINDERS



QUALITY MADE IN GREECE

- 99% CERTIFIED EFFICIENCY AS OPPOSED TO A MAXIMUM OF 60% ON STANDARD COIL CYLINDER TECHNOLOGY
- A MINIMUM OF 25% SAVINGS ON ENERGY CONSUMPTION VERSUS STANDARD COIL CYLINDER TECHNOLOGY
- ELIMINATES STOP STARTS CYCLING WHEN HEATING HOT WATER WITH A HEAT PUMP
- ULTRATANK 2000 CAN HANDLE UP TO >100 GUESTS
- LEGIONELLA FREE
- NO LIMIT ON KW INPUT AS THERE IS NO COIL USED
- SPACE SAVING AS SMALLER VOLUME OF STORAGE REQUIRED
- SUITABLE FOR ALL TYPE OF FUEL OIL, GAS AND HEAT PUMPS
- LOWER STORAGE TEMPERATURE REQUIRED HENCE MORE SAVINGS
- SUITABLE FOR WELL WATER

See the video, which demonstrates the working Calpak Ultratank!



CALPAK HOT WATER TANKS

# HOT WATER CYLINDERS

## CERTIFIED 99% EFFICIENT

### Calpak Ultratank X Flow

200 & 300 Litre 0.8

#### ADVANTAGES

- Coils manufactured from 316L stainless steel
- Almost zero deviation between charging and supply temperature
- Very fast charging of the ultratank compared to conventional cylinders
- Suitable for use with solid fuel, oil, gas boilers and heat pumps
- Endless hot water at the desired temperature
- Top performance rate (99%) for an additional 25% in energy savings
- Very long life span with no maintenance requirements
- Fresh and clean water supply free of any bacteria such as Legionella
- Easy installation or replacement of existing cylinder
- Easy system expandability with new energy sources
- Ideal for domestic & commercial applications with increased hot water consumption
- 10 year manufacturer warranty on cylinder

**NO QUIBBLE  
WARRANTY**

**SUITABLE FOR  
WELL WATER**



TECHNICAL DATA	Calpak 300L
Total outer diameter of tank	720 mm
Total height of tank	1940 mm
Max. operating pressure	6 Bar
Thermal losses	1.6 kwh/24h
Energy savings	>25%
Immersion optional extra	1 1/2"
Recommended heating element	3KW
Total efficiency of the tank	99%
Buffer tank capacity net	269,6 L
Max. operating temperature	95°C
Hot water supply @ ΔT1	800 L/h
Hot water supply @ ΔT5	1000 L/h
Weight of empty tank	119 kg



Code	Description
CALP200	Calpak 200 Litre Ultra Tank X Flow With Pump Kit - Available in 2024
CALP300	Calpak 300 Litre Ultra Tank X Flow With Pump Kit

# HOT WATER CYLINDERS

## CERTIFIED 99% EFFICIENT

### Calpak Ultratank X Flow

500 Litre 1.5

#### ADVANTAGES

- Coils manufactured from 316L stainless steel
- Almost zero deviation between charging and supply temperature
- Very fast charging of the ultratank compared to conventional cylinders
- Suitable for use with solid fuel, oil, gas boilers and heat pumps
- Endless hot water at the desired temperature
- Top performance rate (99%) for an additional 25% in energy savings
- Very long life span with no maintenance requirements
- Fresh and clean water supply free of any bacteria such as Legionella
- Easy installation or replacement of existing cylinder
- Easy system expandability with new energy sources
- Ideal for domestic & commercial applications with increased hot water consumption (25 to 50 guests)
- 10 year manufacturer warranty on cylinder



**NO QUIBBLE  
WARRANTY**

**SUITABLE FOR  
WELL WATER**



TECHNICAL DATA	Calpak 500L
Total outer diameter of tank	840 mm
Total height of tank	1950 mm
Max. operating pressure	6 Bar
Thermal losses	1.8 kwh/24h
Energy savings	>25%
Immersion optional extra	1 1/2"
Recommended heating element	4KW
Total efficiency of the tank	99%
Buffer tank capacity net	450,2 L
Max. operating temperature	95°C
Hot water supply @ ΔT1	1500 L/h
Hot water supply @ ΔT5	2000 L/h
Weight of empty tank	193 kg

Code	Description
CALP500	Calpak 500 Litre Ultra Tank X Flow With Pump Kit

# HOT WATER CYLINDERS

## CERTIFIED 99% EFFICIENT

### Calpak Ultratank X Flow

1000 Litre 1.5

**NO QUIBBLE  
WARRANTY**

**SUITABLE FOR  
WELL WATER**

#### ADVANTAGES

- Coils manufactured from 316L stainless steel
- Almost zero deviation between charging and supply temperature
- Very fast charging of the ultratank compared to conventional cylinders
- Suitable for use with solid fuel, oil, gas boilers and heat pumps
- Endless hot water at the desired temperature
- Top performance rate (99%) for an additional 25% in energy savings
- Very long life span with no maintenance requirements
- Fresh and clean water supply free of any bacteria such as Legionella
- Easy installation or replacement of existing cylinder
- Easy system expandability with new energy sources
- Ideal for commercial applications (50 to 100 guests)
- 10 year manufacturer warranty on cylinder



TECHNICAL DATA	Calpak 1000L
Total outer diameter of tank	1000 mm
Total height of tank	2350 mm
Max. operating pressure	6 Bar
Thermal losses	2.1 kwh/24h
Energy savings	>25%
Immersion optional extra	1 1/2"
Recommended heating element	6KW
Total efficiency of the tank	99%
Buffer tank capacity net	855,6 L
Max. operating temperature	95°C
Hot water supply @ ΔT1	3000 L/h
Hot water supply @ ΔT5	4000 L/h
Weight of empty tank	289 kg

Code	Description
CALP1000	Calpak 1000 Litre Ultra Tank X Flow With Pump Kit

# HOT WATER CYLINDERS

## CERTIFIED 99% EFFICIENT

### Calpak Ultratank X Flow

2000 Litre 1.5

#### ADVANTAGES

- Coils manufactured from 316L stainless steel
- Almost zero deviation between charging and supply temperature
- Very fast charging of the ultratank compared to conventional cylinders
- Suitable for use with solid fuel, oil, gas boilers and heat pumps
- Endless hot water at the desired temperature
- Top performance rate (99%) for an additional 25% in energy savings
- Very long life span with no maintenance requirements
- Fresh and clean water supply free of any bacteria such as Legionella
- Easy installation or replacement of existing cylinder
- Easy system expandability with new energy sources
- Ideal for commercial applications (>100 guests)
- 10 year manufacturer warranty on cylinder

**NO QUIBBLE  
WARRANTY**

**SUITABLE FOR  
WELL WATER**



TECHNICAL DATA	Calpak 2000L
Total outer diameter of tank	1400 mm
Total height of tank	2350 mm
Max. operating pressure	6 Bar
Thermal losses	2.5 kwh/24h
Energy savings	>25%
Immersion optional extra	1 1/2"
Recommended heating element	9KW
Total efficiency of the tank	99%
Buffer tank capacity net	1997,6 L
Max. operating temperature	95°C
Hot water supply @ ΔT1	4500 L/h
Hot water supply @ ΔT5	6000 L/h
Weight of empty tank	459 kg

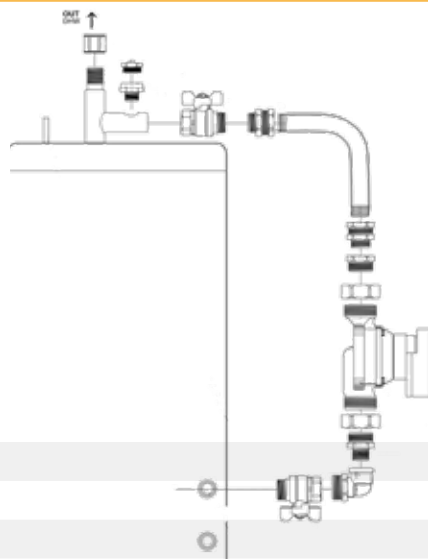
Code	Description
CALP2000	Calpak 2000 Litre Ultra Tank X Flow With Pump Kit



# CALPAK ACCESSORIES

## Calpak Ultratank X Flow 200 & 300 Flow Switch

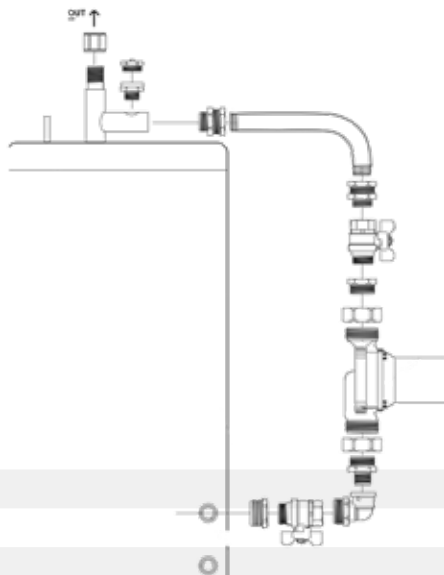
- Circulating Pump
- Isolation Ball Valve
- Manual Air Vent
- Electronic Flow Switch
- Pipe and Fittings to make up the kit



Code	Description
<b>KITCAL200</b>	Ultratank X Flow 200 Pump Kit C/W Flow Switch
<b>KITCAL300</b>	Ultratank X Flow 300 Pump Kit C/W Flow Switch
<b>CALFLOW</b>	Calpak Flow Switch

## Calpak Ultratank X Flow 500 & 1000 Flow Switch

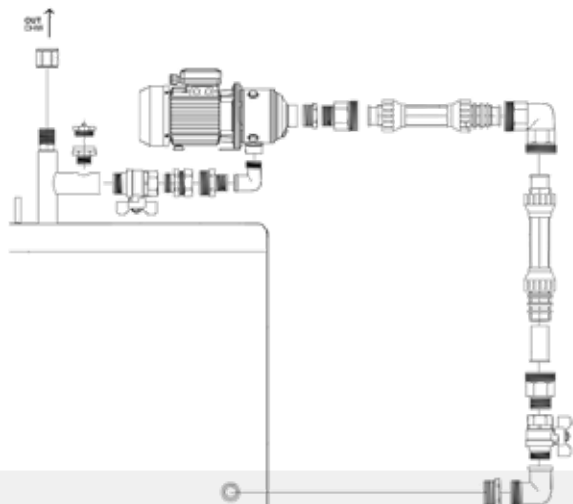
- Circulating Pump
- Isolation Ball Valve
- Manual Air Vent
- Electronic Flow Switch
- Pipe and Fittings to make up the kit



Code	Description
<b>KITCAL500</b>	Ultratank X Flow 500 Pump Kit C/W Flow Switch
<b>KITCAL1000</b>	Ultratank X Flow 1000 Pump Kit C/W Flow Switch
<b>CALFLOW</b>	Calpak Flow Switch

## Calpak Ultratank X Flow 2000 Pump Kit with Controller

- Circulating Pump
- Isolation Ball Valve
- CFA Electronic Controller with sensors
- Manual Air Vent
- Pipe and Fittings to make up the kit



Code	Description
<b>KITCAL2000</b>	Ultratank X Flow 2000 Pump Kit C/W Controller CFA/3
<b>CALCFA</b>	CFA Electronic Controller With Sensors

# INDIRECT CYLINDERS WELL WATER APPROVED

## 4 DEJONG CYLINDERS AND ACCESSORIES

Aquatech and Dejong from Holland have come together to make a cylinder that is suitable for all types of water in Ireland.

Be that well water or mains water supplies.

The Aquatech Dejong cylinder can handle it, without the need for yearly expensive maintenance or replacement parts.

**NO ANODES  
REQUIRED**

**NO  
SERVICING**

**NO QUIBBLE  
WARRANTY**

Scan to see  
full brochure



**MADE IN  
HOLLAND**



Why is Dejong the best cylinder on the Irish Market?

Only the very best grade of stainless steel, 1.4521/444 marine grade is used. This is why we offer a full 10 year NO QUIBBLE guarantee to all our customers.

There are no hidden terms and conditions. With a failure rate of below 0.02% we are confident that you are getting the best cylinder available in market today.

Sold for over 32 years in the UK & Ireland.

# HEAT PUMP CYLINDERS

## WELL WATER APPROVED



### WPS MODEL SPECIFICALLY DESIGNED FOR HEAT PUMPS

- No costly annual maintenance replacing sacrificial anodes.
- Lightness in weight makes the cylinder easy to install.
- The hot water cylinders are made of premium 1.4521/444 marine grade stainless steel and have an extremely long lifetime.
- Selling successfully in Ireland for 32 years.
- Cylinders up to 1000 litres are available.
- Immersion heater, blending and safety valves are also available.

- Quality starts with the design. DEJONG is ISO9001 certified. This guarantees the quality by electronically scanning all welds. Every cylinder manufactured is 100% pressure tested to 13 bar.
- All cylinders are equipped with 60mm EPS/NEOPOR insulation. This gives a "B" rated energy label.
- If you require any non standard cylinder, please call us to discuss same.

**3.13M<sup>2</sup>**  
**SURFACE AREA**  
**RAPID**  
**RECOVERY**



### Dejong WPS Single and Dual Coil Heat Pump Cylinders



- Developed specifically for the heat pump market.
- Large heating surface area enables very efficient hot water production
- Rapid recovery coils
- The high quality insulation reduces heat loss
- Lower coil suitable for gravity stove circulation or other heat source
- Main coil surface area of 3.13m<sup>2</sup>
- Lower coil surface area of 0.9m<sup>2</sup>
- 1" coil connections (both coils)
- 1" domestic hot and cold connections which suit low or high pressure systems
- 3/4" Secondary circulation connection as standard
- One optional immersion connection as standard 1 1/2"
- Only use Dejong approved stainless steel immersions 1 1/2"
- Solid smooth coil technology
- Immersion is not supplied as standard



Code	Description
CYEL40	Dejong 200 Litre WPS SINGLE coil HEAT PUMP cylinder
CYEL41A	Dejong 300 Litre WPS SINGLE coil HEAT PUMP cylinder
CYEL41	Dejong 300 Litre WPS Dual coil HEAT PUMP cylinder
CYEL42	Dejong 500 Litre WPS Dual coil HEAT PUMP cylinder

# INDIRECT CYLINDERS

## WELL WATER APPROVED

### Dejong Triple Coil Cylinders



- Triple coil cylinders are used in renewable energy systems which allows a combination of different energy inputs
- Rapid recovery coils
- Large heating surface area enables very efficient hot water production
- The high quality insulation reduces heat loss
- The top two coils are a 1" coil which is suitable for stoves on gravity systems
- The lower coil for solar is 3/4" which are suitable for alternative heat inputs
- 3/4" Secondary circulation connection as standard
- Optional immersion connections as standard (2 connections) 1 1/2"
- 3/4" domestic hot and cold connections which suits high pressure systems
- Only use Dejong approved stainless steel immersions 1 1/2"
- Solid smooth coil technology
- Immersions are not supplied as standard

**Only Dejong Indirect cylinder with a twin immersion option.**



Code	Description
CYEL30	Dejong 300 Litre Triple Coil Cylinder

### Dejong Dual Coil Cylinders



- Typically used in sustainable solar hot water systems.
- Large heating surface area enables very efficient hot water production
- The high quality insulation reduces heat loss
- The bottom coil which is suitable for stoves in 200L is 3/4", 300L to 1000L is 1"
- 1" coil connections (both coils)
- 3/4" Secondary circulation connection as standard
- Optional immersion connection as standard (1 connection) 1 1/2"
- 3/4" domestic hot and cold connections which suits high pressure systems
- Only use Dejong approved stainless steel immersions 1 1/2"
- Solid smooth coil technology
- Immersion is not supplied as standard

Code	Description
CYEL20	Dejong 200 Litre Dual Coil Cylinder
CYEL21	Dejong 300 Litre Dual Coil Cylinder
CYEL22	Dejong 400 Litre Dual Coil Cylinder
CYEL23	Dejong 500 Litre Dual Coil Cylinder
CYEL25	Dejong 1000 Litre Dual Coil Cylinder



# CYLINDER ACCESSORIES

## Comparison Chart / Check List

Description	Dejong 1.4521/444	Stainless 304	Stainless Duplex	Glass Lined
Marine grade stainless steel	Yes	No	No	No
Requires sacrificial anode *	No	Yes	Yes	Yes
Suitable for well water	Yes	Yes*	No	No
Annual service for warranty	No	Yes	Yes	Yes
Annual service warranty cost**	0	Approximately €200 to €250 including anode		
10 Year comprehensive warranty	Yes	No	No	No
Welded joints full warranty	Yes	No	No	No
Use with salt water	Yes	No	No	No
Long life cycle	Yes	No	No	No

\* Sacrificial anode must be replaced annually in competitor's cylinder for warranty, if it is not replaced cylinder may fail.

\*\* This is an approximate service cost based on a plumber survey in Munster.

## Immersion Heaters

- Manufactured in Europe
- Competitively priced
- Highest Grade Incoloy used on all immersions
- Titanium immersion option available
- Approved for use on Dejong, AirO and Hoiax cylinders
- Single Phase and Three phase available
- Manufactured for Aquatech to meet the highest standards
- Titanium should be used in hard water areas



Code	Description	Dimension
MIIM11	Aquatech Stainless steel Immersion heater 3 kW Immersion	L 15" x W 1 1/2"
IMIM20	Aquatech Stainless steel Immersion heater 2 kW Immersion	L 11" x W 1 1/4"
MIIM51	Aquatech Stainless Steel Immersion (Single & 3 Phase) 6 kW Immersion	L 13.5" x W 1/2"
MIIM50	Aquatech Stainless Steel Immersion (Single & 3 Phase) 9 kW Immersion	L 17.5" x W 1/2"
IMIM30	Aquatech Titanium Immersion Heater 3 kW Immersion	L 15" x W 1 1/2"
IMIM30A	Aquatech Titanium Immersion Heater 4 kW Immersion	L 14" x W 1 3/4"

## Potable Expansion Vessel Unvented Kit



- Manufactured in Europe
- Competitively Priced
- Extremely Reliable



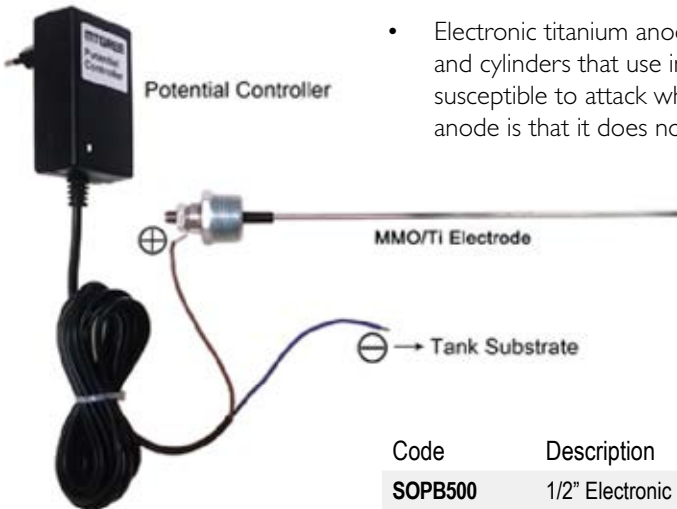
All kits include:

- 6 or 7 Bar safety valve
- Potable expansion vessel



Code	Description
<b>CYEL50</b>	11 Litre Potable Vessel and 6 Bar Safety Valve
<b>CYEL51</b>	18 Litre Potable Vessel and 6 Bar Safety Valve
<b>CYEL52</b>	24 Litre Potable Vessel and 6 Bar Safety Valve
<b>CYEL53</b>	35 Litre Potable Vessel and 6 Bar Safety Valve
<b>CYEL54</b>	50 Litre Potable Vessel and 6 Bar Safety Valve

## Electronic Impressed Titanium Anode



- Electronic titanium anodes are required for use with enamelled glass lined cylinders and cylinders that use inferior stainless steel Duplex and 304 as the steel is susceptible to attack when used on well water systems. The benefit of an electronic anode is that it does not require annual replacing.

Code	Description
<b>SOPB500</b>	1/2" Electronic Impressed Titanium Anode

## Duco Thermostatic Blending Anti Scald Valve



- Hot water thermostatic valve temperature range 30°C - 70°C
- Best value 3/4" thermostatic blending anti scald valve on the Irish market.

Code	Description
<b>BVDU01</b>	Duco 3/4" Thermostatic Blending Valve (30°C - 70°C)

## Thermostatic Blending Anti Scald Valve



- Hot water thermostatic valve temp range 30°C - 70°C
- Best value 1" thermostatic blending Anti Scald valve on the Irish market.

Code	Description
<b>BVDU02</b>	1" thermostatic blending valve (30°C - 70°C)

## Thermostatic Blending Anti Scald Valve



- Hot water thermostatic valve temp range 30°C - 70°C
- Best value 1 1/4" thermostatic blending anti scald valve on the Irish market.

Code	Description
<b>BVDU03</b>	1 1/4" thermostatic blending valve (30°C - 70°C)

## Pressure Reducing Valves



- Valves do not include a pressure gauge. The valves are preset to a pressure of 3 bar. They may be adjusted up to a maximum of 10 Bar.

Code	Description
<b>ICPRV1</b>	1/2" Pressure Reducing Valve F/F (Preset 3 Bar) (pressure gauge optional extra)
<b>ICPRV2</b>	3/4" Pressure Reducing Valve F/F (Preset 3 Bar) (pressure gauge optional extra)
<b>ICPRV3</b>	1" Pressure Reducing Valve F/F (Preset 3 Bar) (pressure gauge optional extra)
<b>ICTH03</b>	Back entry pressure gauge 1/4" tapping (0-10 bar)

## Sensor Pockets

- Copper sensor pockets should only to be used with heating water, not suitable for fresh water.



GESP22



GESP22B

30-90°C Range



CATH01

Code	Description
<b>GESP22</b>	1/2" Stainless steel male sensor pocket 10mm adjustable length
<b>GESP22B</b>	1/2" Stainless steel sensor pocket 16mm sensor bulb (suits double boiler thermostats)
<b>CATH01</b>	Adjustable Cylinder Control Thermostat - Stainless Steel 1/2" with sensor pocket

## 6 Bar Pressure Temperature Safety Valve



- Made in Italy
- Extremely reliable
- Pressure Temperature safety valves are used as a dual purpose protection for hot water cylinders

Code	Description
ICPT02	1/2" Pressure Temperature 6 Bar Safety Valve 98°C

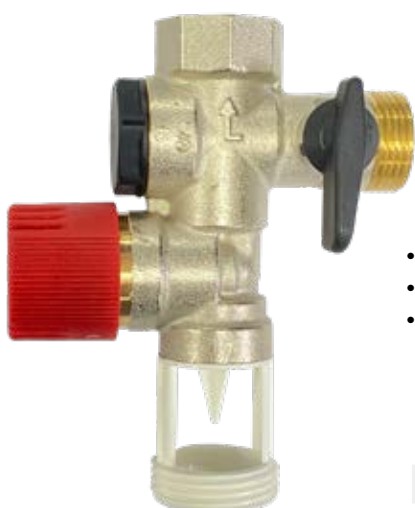
## Expansion Vessel Union



- This valve allows for the quick and safe removal and replacement of an expansion vessel without having to drain down the heating, domestic or solar system.
- The valve has a built in non return valve that can seal a system even if its under pressure during the removal process
- Huge time savings

Code	Description
EVDU01	DUCO 3/4" expansion vessel coupling with NRV

## Safety Valve and Tundish



- Manufactured in France
- Extremely reliable
- 7 Bar Safety Valves with tundish are used for domestic cylinders

Code	Description
MISV05	3/4" X 7 Bar Safety Valve And Tundish with isolation valve



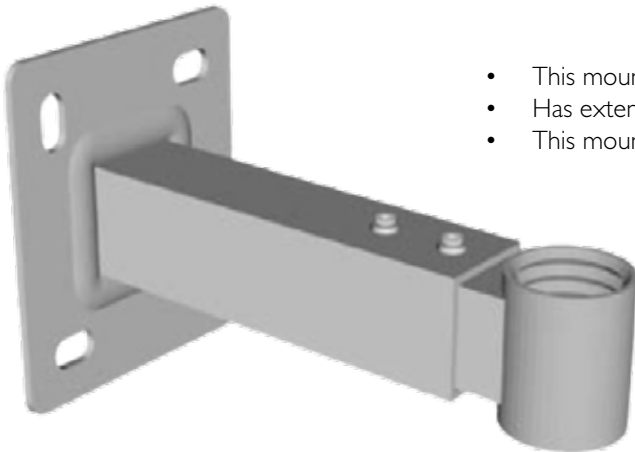
## ICMA Automatic Filling Valve With Pressure Gauge



- ICMA automatic filling valves are extremely accurate and do not allow pressure creep into the heating system.
- Manufactured in Italy to exacting standards.
- Has a reputation as being extremely reliable

Code	Description
<b>ICTH07</b>	ICMA 1/2" automatic filling valve with pressure gauge

## Extendable S/S Expansion Vessel Bracket 3/4" Potable Vessel



- This mounting vessel bracket is designed to hold a vessel up to 25 litres
- Has extendable arm
- This mounting bracket is suitable for potable and solar expansion vessels

Code	Description
<b>SCOP01A</b>	Extendable S/S Expansion Vessel Bracket 3/4" Potable Vessel

## Heating & Potable Vessel Strap Bracket



Code	Description
<b>SCOP01B</b>	Heating & Potable Vessel Strap Bracket 380 MM Diameter Max

# EXTRA FAST UNDERSINK WATER HEATERS

## 5 HOIAX UNDERSINK HEATERS

### HOIAX Under Sink Water Heaters MikroVex 5.5 Litre

Supplied with thermostatic mixing valve and combined safety valve and isolation valve.  
10 year warranty on tank and two years on immersion.  
Potable Expansion vessel required.

**NO QUIBBLE  
WARRANTY**



- MikroVex Water heater for very small spaces
- Suitable for well and mains water
- A small but very effective water heater. It can be placed in the kitchen cabinet
- It can be mounted horizontally or vertically
- With a capacity of 5.5 litre
- Expansion vessel required (not supplied)



#### Heat up Times:

- 7 minutes to 45°C @ 2.2 KW input
- 13 minutes to 80°C @ 2.2 KW input
- 10 year warranty on cylinder and two years on immersion
- 1.4521/444 Stainless Steel

Code	Description
CYEL90	Hoiax MikroVex 5.5 Litre Under Sink Heater 2.2 KW 230V

### HOIAX Under Sink Water Heaters HeatEx Eco 20 & 30 Litre

HeatEx® ECO 20 & 30 is a small heater which requires very little space and is extremely efficient.  
HeatEx® is well insulated with EPS, ensuring minimal heat loss.



#### Product Advantages:

- Heats water extremely fast
- Suitable for well and mains water
- Easy to install - easy to use
- Fits in the kitchen cabinet
- 1.4521/444 Stainless Steel
- Safety valve 6 or 7 bar required (not supplied)
- Expansion vessel required (not supplied)



Code	Description
CYEL91	Hoiax Heatex Eco 20 Litre Under Sink Heater 1.95 KW 230V
CYEL92	Hoiax Heatex Eco 30 Litre Under Sink Heater 1.95 KW 230V

# BUFFER TANKS

## GALVANISED STEEL

# 6 AIRO BUFFER TANKS

Larger sizes and options available on request.



- Manufactured in Europe
- Reduces the number of start / stops of a heat pump when quick temperature variations occur
- ErP Directive: Category B-C
- Thermal insulation in rigid polyurethane foam, free of CFC
  - 50 Litre insulation 25 mm.
  - 100 Litre insulation 30 mm.
  - 500 Litre insulation 50 mm.
- External finish with embossed aluminium foil
- Designed and manufactured according to 2014/68/UE Directive

Code	Description
BUFF0	AirO 50 Litre Galvanised Steel buffer tank
BUFF01	AirO 100 Litre Galvanised Steel buffer tank
BUFF02	AirO 500 Litre Galvanised Steel buffer tank

### Buffer Accessories Kit



Code	Description
ICSP02	1" Brass Male Blank
PAFT193	Aquaflex 1/2" F/F Butterfly Valve (Lifetime Guarantee)
PAFT194	Aquaflex 3/4" F/F Butterfly Valve (Lifetime Guarantee)
PAFT195	Aquaflex 1" F/F Butterfly Valve (Lifetime Guarantee)
CYEL70	1 1/2" Male Brass Immersion Plug
ICAV02	1/2" Automatic Bottle Air Vent
EURO43	Eurotis 1/2" Straight Nipple 310
EURO44	Eurotis 3/4" Straight Nipple 310
PUAR01	Aquapro RS25/6 EAA 4 - 6 Meter Head "A" Rated 130mm Pump
CATH01	Adjustable Cylinder Thermostat C/W Stainless Steel 1/2" Pocket

# BOOSTER TANKS

## WITH EXTREMELY RELIABLE PUMP

# 7 AQUATECH AIRO BOOSTER TANKS

Scan to see full brochure



AirO Booster Corner Tank

### EXTREMELY RELIABLE PUMP

Corner booster tank is ideal for areas where you are short of space as it fits neatly into a corner of your hot press, utility or under stairs. With a 3/4" ballcock connection on all tanks, it ensures a rapid refilling time rather than the standard 1/2" connection. No adjustments to the tank is required as all the fittings are included.

- Plug and play
- Flow control module
- Stainless Steel Pump
- Max pressure 3.5 Bar
- 100 Litres per minute
- 1 1/4" Overflow pipe
- 3/4" Ballcock connection
- 1/2" Drain off / Toilet Fill Connection



Code	Description	Dimension
PBOX10	200 Litre Corner Booster Tank 3.5 Bar 100 Litres / Min	L 510 x W 510 x H 1140 mm
PBOX11	300 Litre Corner Booster Tank 3.5 Bar 100 Litres / Min	L 610 x W 610 x H 1200 mm
PBOX11A	400 Litre Corner Booster Tank 3.5 Bar 100 Litres / Min	L 660 x W 660 x H 1160 mm
PBOX12	500 Litre Corner Booster Tank 3.5 Bar 100 Litres / Min	L 700 x W 700 x H 1260 mm

## AirO Booster Vertical Round Tank

### EXTREMELY RELIABLE PUMP

Round tank which is suitable for plant room installations and where space is not a problem. With a 3/4" ballcock connection on all tanks, it ensures a rapid refilling time rather than the standard 1/2" connection. No adjustments to the tank is required as all the fittings are included.

- Plug and play
- Flow control module
- Stainless Steel Pump
- Max pressure 3.5 Bar
- 100 Litres per minute
- 1 1/4" Overflow pipe
- 3/4" Ballcock connection
- 1/2" Drain off / Toilet Fill Connection



Code	Description	Dimension
PBOX01A	400 Litre Vertical Round Tank With 3.5 Bar 100l / Min	H 1800 x D 700 mm

## AirO Booster Horizontal Coffin Tank

### EXTREMELY RELIABLE PUMP

The coffin tank or attic tank fits through your standard attic opening. With a 3/4" ballcock connection on all tanks, it ensures a rapid refilling time rather than the standard 1/2" connection. No adjustments to the tank is required as all the fittings are included.

- Plug and play
- Flow control module
- Stainless Steel Pump
- Max pressure 3.5 Bar
- 100 Litres per minute
- 1 1/4" Overflow pipe
- 3/4" Ballcock connection
- 1/2" Drain off / Toilet Fill Connection



Code	Description	Dimension
PBOX02	200 Litre Horizontal Tank 3.5 Bar 100 Litres / Min	L 850 x W 550 x H 450 mm
PBOX02B	350 Litre Horizontal Tank 3.5 Bar 100 Litres / Min	L 1470 x W 470 x H 571 mm

## Aquatech AirO Fluid Control

## SUITS BOOSTER PUMPS

The Aquatech Airo fluid control is designed to control a booster pumps on/off function. The control has a built in non return valve. It can sense when the pressure up stream drops and turns the pump on. As a safety measure, if there is no water in the booster pump for a short period of time, then the control kills the power going to the pump for safety reasons and prevents the pump from dry running and damaging itself. The pump will repeat the stop start function 5 times checking to see if water is present within the pump before going to a complete electrical lock out. When this occurs the customer can see the fault light is on and has to manually reset the control to resume original functionality.



- Dry run protection with auto restart (time delay)
- CE certified product
- Connection 1" BSP outlet
- Drain off 1/2" BSP
- Power: 240v, 50Hz
- Max pressure 3.5 Bar
- 2 year warranty

Code	Description
PUFL10	Aquatech AquaPro Fluid Control 1.5 - 3.5 Bar

## Submersible Pump Suitable For Booster Tanks

### EXTREMELY RELIABLE PUMP

Utilizes advanced sound dampening technology to operate almost silently, making it ideal for noise-sensitive environments. Its durable stainless steel construction ensures long-lasting performance and corrosion resistance in various applications.



Single Phase Monophase	Capacitor		Motor	Motor	Motor	Ampere		DNM	
	µF	V.	P2 HP	P2 kW	P1 kW ass.	230V	400V		
230 V - 50 Hb	20	450	0.75	0.55	0.95	4.2	-	1"	
30									
Q	Delivery								
m <sup>3</sup> /h	0	1.2	1.6	2.4	3.6	4.2	4.8	5.4	5.7
L/f	0	20	30	40	60	70	80	90	95
	34	32	28	25	20	14	10	3	0

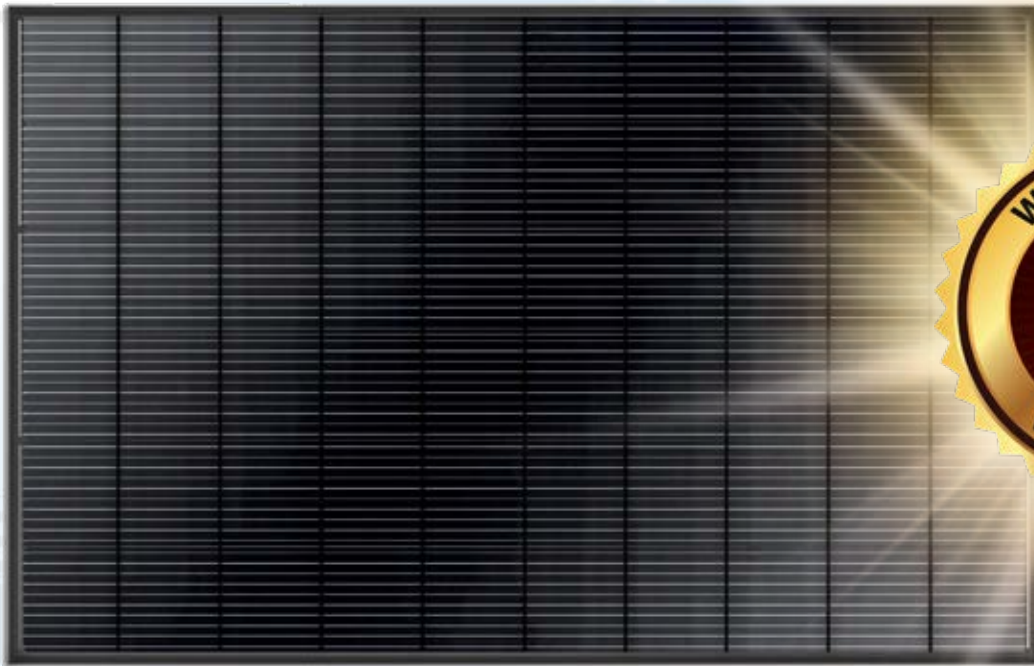
## 0.55 KW MODEL

Code	Description
PUSU01	Aquatech Submersible Pump 3 Bar 10 Meter Head 100 Litre Per Minute

# 8 SOLAR PV PANEL & ACCESSORIES

Solar panels do not need direct sunlight to work, they can still generate some electricity on a cloudy day. With 173,000 terawatts of sunlight reaching the earth continuously, the sun can provide an abundant amount of solar energy to power everything we do. Combined with Aquatech's abundance of solar knowledge and affordable pricing, solar energy has never been simpler. Aquatech's mission is to help customers reduce their carbon emissions and energy costs. Since our foundation in 1992, we have built a reputation as one of the top solar energy companies in Ireland.

Scan to see full brochure



10 years Warranty  
When Used With  
Renac Inverter

Battery & Controller



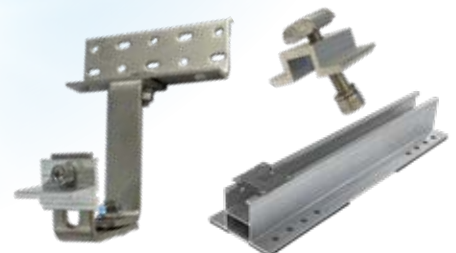
Hot Water Diverter



Inverter



Fireman Switch

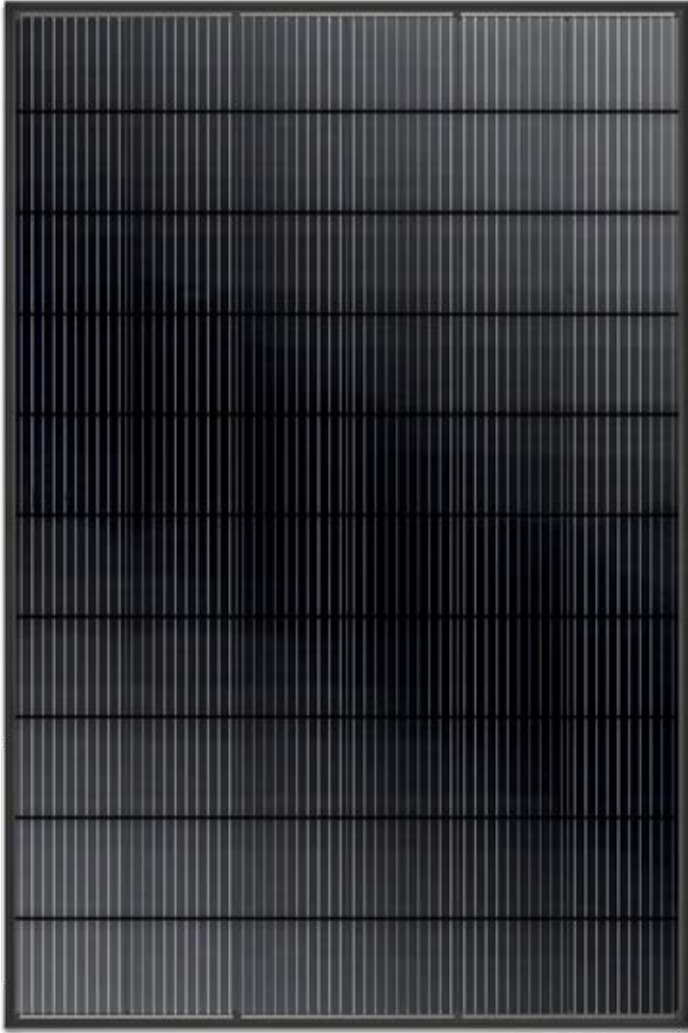


PV Mounting System

# SOLAR PV

Solar Photovoltaic Panels (often referred to as Solar PV or PV) capture the sun's energy and convert it to electrical power.

Our all-black solar panels with 10 sections reduce shadow loss by up to 35% compared to half-cut panels. They come with a 30-year product and material guarantee, ensuring long-term performance. Their innovative shingled module technology makes installation easy and enhances aesthetics. These panels are durable and suitable for challenging environments. They are an preferred choice for reliable, sustainable energy.



## PRODUCT ADVANTAGES

- **25 year linear performance guarantee**
- **Reduces shadow loss up to 35% compared with conventional half cut panels**
- **30 year product and material guarantee**
- **All required product approvals**
- **Innovational shingled module technology**
- **Easy to install & durable**
- **Corrosion resistant & low maintenance**
- **Roof, ground or facade mounted**



## FEATURES

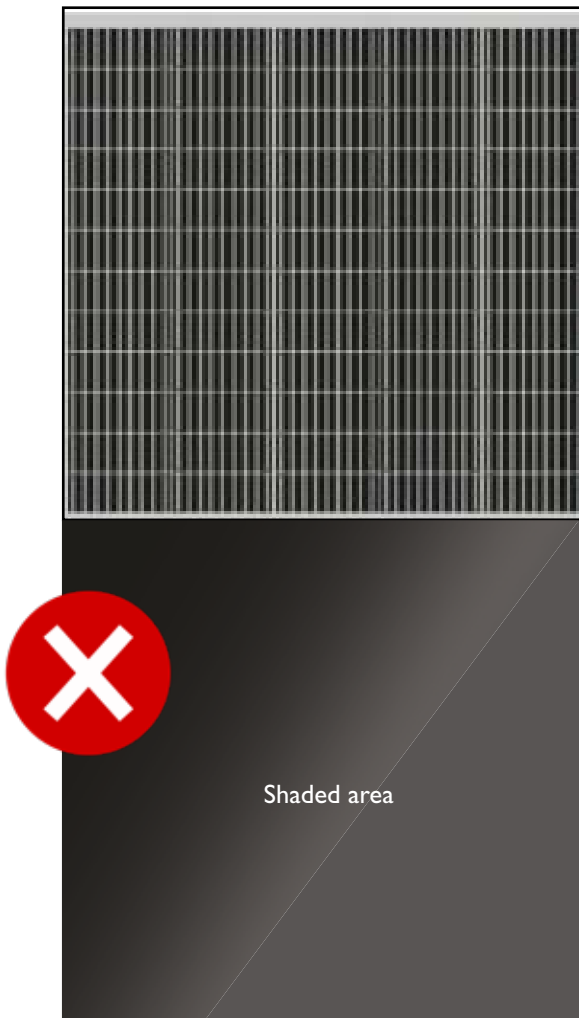
- **All black panels**
- **It is the only module design in the industry that realizes a multi-channel parallel circuit, further improving the anti-shading capability.**
- **Flexible interconnection**
- **Tested with a 1 m<sup>3</sup> snow load**
- **Works in coastal salty environments**
- **Tested to handle 25mm ice showers**

Code	Description
SOPV63B	Delta Solar 410 W 60SB All Black PV Solar Panel 1140 x 1719





# IMPORTANCE OF GETTING THE RIGHT SOLAR PANEL'S



**OTHER PANELS**



**AQUATECH PANELS**

Traditionally, individual solar panels are made up from two half's.

If part of either half is partially shaded from a tree or chimney then all the connected panels within the string will also lose half their power and subsequently if part of the two half's are shaded then you will lose all power in that string. This is because the panels are internally wired together in such a way that the output is reduced to that of the weakest panel within the system.

With Aquatech's Solar panels they are divided into 10 sections instead of halved, because of their unique design only a minimum of 1/10th of the panel will stop working if shaded. This allows you get much greater power from your system without using expensive optimisers to solve the above problem.



## Renac Inverters



The non-hybrid inverter is the heart of a solar PV system. It decides where to send the usable power produced. E.G. the 1st usage point is the building, 2nd is the battery etc., in standard inverter scenarios, when using non hybrid inverters, all excess power is sent back to the national grid.

By using a hybrid inverter, excess energy left over after feeding the building can be stored in a battery and used at a later stage to power the building, even in the event of a power cut, because all our battery systems have a change own switch included.

There are a number of advantages to using batteries. In the event of a main grid power outage, the battery can power the building for the duration of charge present, which is dependent on the size and type of battery used. The Inverter and battery must be connected with an automatic changeover switch for this to function.

All inverters are designed to automatically shut off and stop sending power to the grid in the event of a power outage. System can divert excess power to the hot water cylinder by using the ERS Mini Power Diverter.



Code	Description
SOINV1	Renac 3kW Hybrid Inverter 2 String MPPT
SOINV2	Renac 5kW Hybrid Inverter 2 String MPPT
SOINV3	Renac 6kW Hybrid Inverter 2 String MPPT
SOINV20	Renac 10kW Hybrid Inverter Three Phase
SOINV10	Renac 4kW NON Hybrid Inverter 2 String MPPT
SOINV11	Renac 5kW NON Hybrid Inverter 2 String MPPT
SOINV12	Renac 6kW NON Hybrid Inverter 2 String MPPT
SOINV16	Renac 15kW NON Hybrid Inverter Three Phase

**A HUGE RANGE OF INVERTERS IN VARIOUS SIZES  
AVAILABLE ON REQUEST**

## Renac Battery

LiFePO4 batteries are safer than other lithium-ion batteries, as they offer greater protection against overheating and thermal runaway. LFP batteries also have a much lower risk of fire or explosion, which makes them ideal for residential installations. In addition, they do not release hazardous gasses like lead-acid batteries. You can safely store and operate LiFePO4 batteries in enclosed spaces like garages or sheds, although some ventilation is still advisable. It makes economic sense to use a battery as you get approximately 50% less per KW for feeding excess power into the grid than what you pay when you take power from the grid. Solar panels can be connected to batteries to store excess energy produced during the day for use at night or during low sunlight periods. The batteries are LiFePO4 high Voltage and do not require maintenance. Proper sizing is important to ensure the battery can handle the energy demands of the system.



RENAC Turbo H1 is a LiFePO4 high voltage, stackable battery storage module. It offers a 3.74 kWh model that can be expanded in series with up to 4 batteries with a maximum capacity of 14.96 kWh. Easy installation with plug and play connections. It comes with a BMC intelligent charge/discharge controller. All required cabling is supplied.

### PRODUCT ADVANTAGES

- Modular 'Plug & Play' design
- LiFePO4 battery technology
- IP65 outdoor design
- Remote firmware upgrade and online diagnosis
- EU standard certified by TUV Rheinland



Code	Description
SOPV210	Renac Battery 3.74 KWH – High Voltage (Stackable to a maximum of 4 batteries)
SOPV211	Renac Battery Master Controller BMC600

**RENAC & AQUATECH WARRANTY**  
 Battery has 10 years warranty  
 When using Renac battery and Renac inverter,  
 the inverter warranty is extended from 5 to 10 years

## Powerflow Diverters

**FOR HOT WATER CYLINDER IMMERSION**

Manufactured in U.K.



### E.R.S MINI

The E.R.S Mini has Industry leading technology and is built to last with high quality components, aluminium casing and pre wired connectors. It is designed to heat an immersion heater from 300 to 3000 watts It has a boost button which auto resets after 90 minutes and a visible LED display showing the actual output from solar PV.

Code	Description
SOIN01	ERS Mini Hot Water Diverter For Cylinder Immersion



### E.R.S PRO

E.R.S PRO is an ideal partner in combination with biomass or heat pump systems and can be used to divert exported P.V. energy into large thermal stores and buffer cylinders helping to reduce electricity cost. E.R.S PRO intelligently considers how much power is being generated and how big each load is. It can handle two power outputs, i.e. two heating elements. Each output can be assigned priority as required, dictating how much energy is then diverted to each load.

Code	Description
SOIN02	ERS Pro Hot Water Diverter For Cylinder Immersion

# SOLAR FIXINGS

GROUND MOUNT SYSTEMS AVAILABLE ON REQUEST

Solar PV panel mounting systems are used to fasten solar PV panels to the roof, ground or other structures. The correct mounting system depends on the location, roof type, ground mount etc.

A variety of mounting systems are available for slate, tile, corrugated roofs and free standing systems.



Code	Description
1 SOPVF1	PV rail 2.2 meters
2 SOPVF2	PV rail connector splice
3 SOPVF3	End panel clamp
4 SOINV3	Mid panel clamp
5 SOPVF5	DC cable holder (Fixes to PV Rail)
6 SOPVF14	Rail nut
7 SOPVF7	Solar PV Rail Clamp Kit (used Between Rail And Hook)
8 SOPVF13	Locking rail nut & bolt
9 SOPVF1A	Solar PV Rail Plastic End Cap
10 SOPVF9	Metal clad rail fixing (complete with tex screws)
11 SOPVF8	Flat tile and ridge tile rail fixing brackets (complete with wood screws)
12 SOPV39G	Slate Hook Pull (10 Per Pack)
13 SOPV39F	Solarflash Plastic Roof Hook Slate 360 mm x 360 mm
14 SOPV39E	Dekite Multicable Solar Flashing 450 x 600 - Tile and Slate
15 SOPV39D	Dekite Premium Multicable Solar Flashing - (Metal Roof)
16 SOPVF10	PV slate roof hook (C/W wood screws M6 80 mm)
17 SOPVF12	PV hanger bolt mounting M10 x 200 mm (with mounting plate)
18 SOPVF11	PV hanger bolt M10 x 200 mm (no mounting plate)



### Aquatech AC Isolator 2 Pole 32A

An AC isolator switch is used to isolate the AC power from the fuse board to the inverter.

Code	Description
<b>SOPLV4</b>	Aquatech AC Isolator 2 Pole 32A



### Aquatech DC Isolator 4 Pole 32A

A DC isolator switch is used to isolate the DC power from the solar PV panels to the inverter.

Code	Description
<b>SOPVL3</b>	Aquatech DC Isolator 4 Pole 32A



### Renac EPS Auto Change Over Switch

The EPS box is an automatic changeover switch which allows power from a battery storage system to power the house when the mains power grid is turned off. Only used when Battery and Inverter in system.



Code	Description
<b>SOPVL5</b>	Renac EPS Automatic PV Change Over Switch



### WiFi Stick

- Allows for app interface with the inverter to see what is being produced etc.
- This information can be viewed via the free Renac app
- Easy & quick setup via Bluetooth
- Wide coverage
- Supplied with Inverter

Code	Description
<b>SOPWW1</b>	Renac WiFi PV Inverter Stick



## Aquatech Single MC4 Connector

Single MC4 Connectors are used for all DC connections between the panels and the inverter.

Code	Description
SOPV42A	Aquatech MC4 Male/Female Connectors (Per Set)



## Aquatech Solar T Branch Connector

Solar T branch MC4 connectors are used to connect separate PV strings to a single string.

Code	Description
SOPV42B	Aquatech MC4 Dual Branch Connectors (Per Pair)



## Single Phase Digital CT Meter

RENAC single phase digital meter is designed with high-precision small-scale dimensions, and convenient operation and installation.

Available for Renac Hybrid inverter connection to measure kWh, Kvarh, KW, Kvar, KVA, PF, Hz, dmd, V, A. It enables the inverter to be set to export or limit export to a set value. It also lets the inverter know if the grid is live or dead.

Code	Description
SOPVW2	Renac Eastron Electronic Single Phase Energy Meter



## Three Phase Digital CT Meter

RENAC three phase digital meter is designed with high-precision small-scale dimensions, and convenient operation and installation.

Available for Renac Hybrid inverter connection to measure kWh, Kvarh, KW, Kvar, KVA, PF, Hz, dmd, V, A. It enables the inverter to be set to export or limit export to a set value. It also lets the inverter know if the grid is live or dead.

Code	Description
SOPVW3	Renac Eastron Electronic Three Phase Energy Meter



## DC Cables

**MC4 Connectors must be used to make a connection!**

Aquatech's solar DC cable is used in photovoltaic solar systems. The standard size is 4.00 mm. It connects the PV solar panels to the inverter and is designed for internal and external installations. DC Cable has a much higher temperature rating than standard cable.

Code	Description
SOPVL1	Aquatech 4 MM Solar DC Cable Per Meter (Black)
SOPVL2	Aquatech 4 MM Solar DC Cable Per Meter (Red)

## Fireman Switch



SOPV47B



SOPV47A

### Product Advantages

- Ensures your installation is compliant with all fire regulations
- Up to 1500V DC
- Up to 50 Amp
- 4 and 8 String available
- IP66 aluminium enclosure with breathing valve
- UL508i listed and IEC PV2 DC switch
- 25 years warranty
- Original MC4 connectors Plug and Play



Code	Description
SOPV47A	Benny BFFS S2 - 4 Pole Dual String MC4 Fire Fighter Switch
SOPV47B	Benny BFFS S4 - 8 Pole Four String MC4 Fire Fighter Switch

## Surge Protectors

A surge protector is a device that helps protect electronic equipment from power surges and spikes. It work by diverting excess voltage to the ground wire, preventing it from reaching connected equipment. Surge protectors are an important investment for any home or office, as they can help protect expensive electronics from damage. When choosing a surge protector, it is important to consider the number of outlets and the joule rating, which is a measure of the protector's ability to absorb voltage spikes.



Code	Description
SOPV53	DC PV Surge Protector 2 Pole 40/2 600 V - 40 Ka
SOPV54	DC PV Surge Protector 3 Pole 40/2 1000 V - 40 Ka
SOPV55	AC Surge Protector 4 Pole 40/4 385 V - 40 Ka

# SOLAR THERMAL HOT WATER PRODUCTION ONLY

## 9 SOLAR THERMAL EXCEPTIONAL HIGH QUALITY TUBES

### GERMAN ENGINEERING AT IT'S BEST!

Augusta solar is a premium brand tube manufactured in Germany. Because of the extremely high performance of the tubes, the actual area of solar required on a roof is greatly reduced without affecting the system performance.





# SOLAR THERMAL HOT WATER PRODUCTION ONLY

SOLAR THERMAL



## Augusta Solar Vacuum Tube Systems (No cylinder or pipe)

- System includes dual pumping station, solar controller with solar and cylinder sensors, solar expansion vessel, expansion vessel mounting kit, solar glycol, header and tubes, roof fixings.
- 10 year warranty on tubes
- 2 year warranty on electrics.

Code	Description
SOAG20A	Augusta Solar vacuum tube complete HP8 system (no cylinder)
SOAG21A	Augusta Solar vacuum tube complete HP12 system (no cylinder)
SOAG22A	Augusta Solar vacuum tube complete HP16 system (no cylinder)
SOAG23	Augusta Solar vacuum tube complete HP20 system (no cylinder)
SOAG24	Augusta Solar vacuum tube complete HP24 system (no cylinder)
SOAG25	Augusta Solar vacuum tube complete HP28 system (no cylinder)
SOAG26	Augusta Solar vacuum tube complete HP32 system (no cylinder)



# SOLAR TUBES ACCESSORIES

## Augusta Solar Header, Fixings and Tubes



Code	Description
SOAG04	Augusta Solar Header and fixings AS 100 HP8 Complete with tubes
SOAG05	Augusta Solar Header and fixings AS 100 HP12 Complete with tubes
SOAG06	Augusta Solar Header and fixings AS 100 HP16 Complete with tubes

## Dual Line Solar Station 3/4"



- Complete with circulating pump, ball valve with gravity brake, contact thermometers integrated in the ball valve handle, safety group with safety valve, filling, drain ball valve, includes hose nozzle and caps and non return valve.
- The hot flow side has a ball valve with manual positioning, gravity brake, contact thermometer integrated in the ball valve handle. There is a manual air collector to catch excess micro bubbles from the cylinder coil.

Code	Description
SOPB70	3/4" Solar pumping station DUAL line (with speed controlled pump)

# SOLAR TUBES ACCESSORIES

## Sensor Pocket with Air Vent



- Sensor housing is a protective casing for a temperature sensor used in flat plate collectors.
- The housing is made of a copper pipe with a brass head.
- It consists of a manual vent, hexagonal 30mm nut with female 3/4" thread, and flat gasket.

Code	Description
HESP001	Solar 3/4" F x 4 port sensor pocket complete with air vent

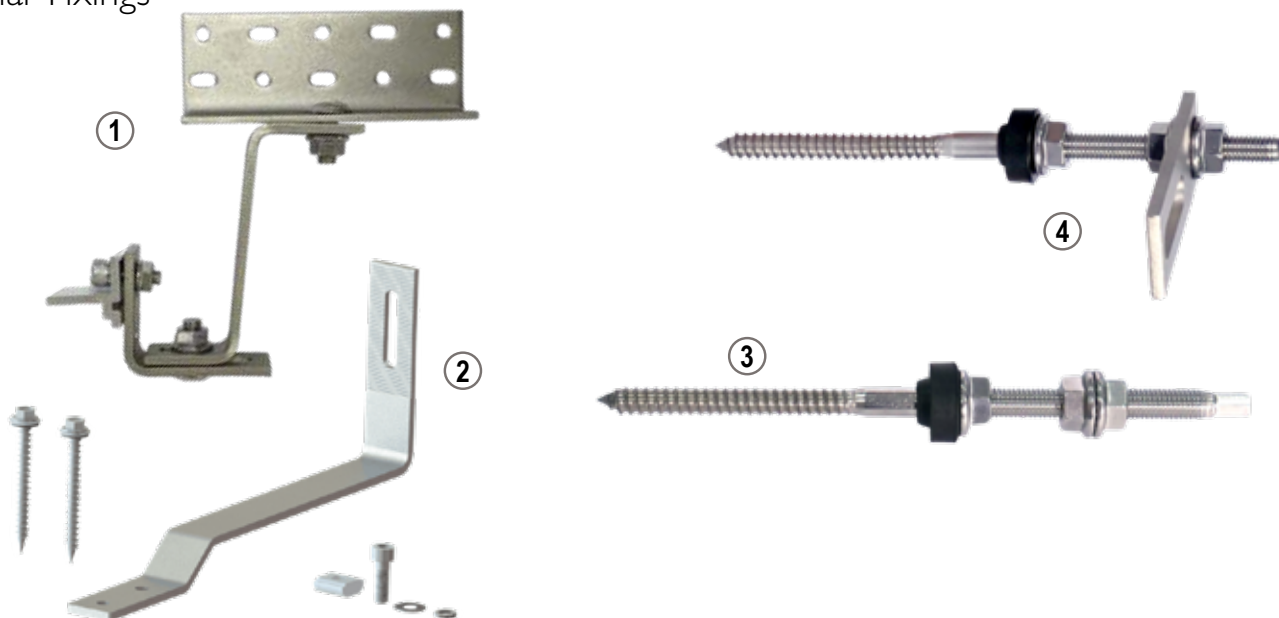
## Roof Flasher



- The flasher can be cut back to accommodate various thickness's of pipe and insulation.

Code	Description
SOPB400	Grey Roof Flasher EPDM 6mm - 50mm

## Solar Fixings



Code	Description
1 SOPVF8	Flat tile and ridge tile rail fixing brackets (complete with wood screws)
2 SOPVF10	Slate roof hook (C/W wood screws M6 80 mm)
3 SOPVF11	Hanger bolt M10 x 200 mm (no mounting plate)
4 SOPVF12	Hanger bolt mounting M10 x 200 mm (with mounting plate)

# SOLAR TUBES ACCESSORIES

## Solar Heat Transfer Fluid



- Solar Heat Transfer Fluid is specially formulated to prevent solar panel and solar tube systems from freezing during the winter season.
- Compatible with all makes and models.
- The product is premixed and protects down to -20°C.
- It can withstand system stagnation temperatures of up to 230°C.
- The product should be replaced every 3 to 5 years.

Code	Description
<b>HPAF05</b>	Solar Glycol / Heat Transfer Fluid 10 litre (Tube & Flat) Pre mixed

## Manta BP 200 Solar Cleaner



Specific concentrated liquid for removing sludge and glycol residues inside solar systems. Product can also be used for cleaning batteries, filters and air conditioning and refrigeration equipment.

- Restores optimal heat transfer
- Reduces energy consumption
- Saves on utility bills
- Non-toxic product
- Biodegradable
- Highly effective
- Non-corrosive

10 litres concentrated



Code	Description
<b>MASC01</b>	Manta BP 200 Solar Cleaner 10 Litre (Concentrated)

## Solar Cooling Vessels



- Aquatech solar cooling vessels are designed to be positioned inline between the solar system and the main expansion vessel pipework. Used where systems are extremely hot and where there may be heat creep that can potentially rupture a vessel bladder. The cooling vessel is steel and does not contain a bladder. It simply acts as a heat dump and protects the main vessel from over heating.

Code	Description
<b>EXPV53</b>	Solar Cooling Vessel 12 Ltr (3/4" Connection)

# SOLAR TUBES ACCESSORIES

## Solar Expansion Vessels



- Solar expansion vessels are steel vessels with an internal bladder designed to withstand temperatures up to 130°C.
- Pre Charged Pressure: 3 Bar.

## ASK ABOUT BULK PURCHASE PRICES

Code	Description
EXPV18	Solar expansion Vessel 18 Litre (3/4" Connection)
EXPV19	Solar expansion Vessel 25 Litre (3/4" Connection)
EXPV35	Solar expansion Vessel 35 Litre (3/4" Connection)
EXPV50	Solar expansion Vessel 50 Litre (3/4" Connection)
EXPV51	Solar expansion Vessel 100 Litre (1" Connection)

## Lago Solar Controller

- Designed to utilise solar energy smartly and automatically.
- The SG3 can handle up to 3 live outputs, i.e. a domestic cylinder and buffer cylinder. East/west solar configuration.



COKS38A



COKS14



Code	Description
COKS04-	Lago SG3 Digital Solar Controller (3 Switched Live Outputs)
COKS14	KLF 1000 Roof Sensor Cable
COKS38A	SPF 1000 Cylinder Sensor

## Stecca Solar Controller



Code	Description
COKS04A	Stecca Solar Controller TR 0301 SC (One Switched Live Output)

# 10 UNDERFLOOR HEATING

Aquatech has a reputation for the supply of quality products for use in your underfloor systems. As the first supplier of underfloor heating systems in Ireland, we have gained a vast knowledge about various pipe types, manifolds, pump assemblies and how to differentiate between the good and the bad. In all aspects of underfloor heating, Aquatech has proven time and time again to be the leading expert in underfloor design and a trusted supplier of quality underfloor materials to the trade.



**10 YEAR  
MANIFOLD  
WARRANTY**

Heating system must be correctly cleaned.

See Manta Chemicals Page 119.



## Aquatech PERT Underfloor Heating Pipe

- Aquatech underfloor heating pipe is a tried and tested European brand, manufactured in Germany using PERT pipe technology which is by its nature far more flexible and easier to use than PEX. It is competitively priced. All pipe has a 100% oxygen barrier proof layer. Extremely flexible with a 50 year manufacturers warranty. Smooth surface area makes it easy to work with. Available in 100m, 600m and 1000m coils.



5 Layer oxygen barrier.  
CE approved ETA



Code	Description
PEUR60	Underfloor Oxygen barrier pipe 16mm x 100 meters
PEUR62	Underfloor Oxygen barrier pipe 16mm x 600 meters
PEUR64	Underfloor Oxygen barrier pipe 16mm x 1000 meters

## Aquaflex Aluminium Underfloor PERT/AL/PERT Pipe

- Pert-Al-Pert is a multilayer pipe with an aluminium core which acts as an oxygen barrier layer.



Code	Description
PAF001	Aquaflex 16mm x 100 meter pert/al/pert coil of pipe
PAF004	Aquaflex 16mm x 200 meter pert/al/pert coil of pipe
PAF005	Aquaflex 16mm x 500 meter pert/al/pert coil of pipe

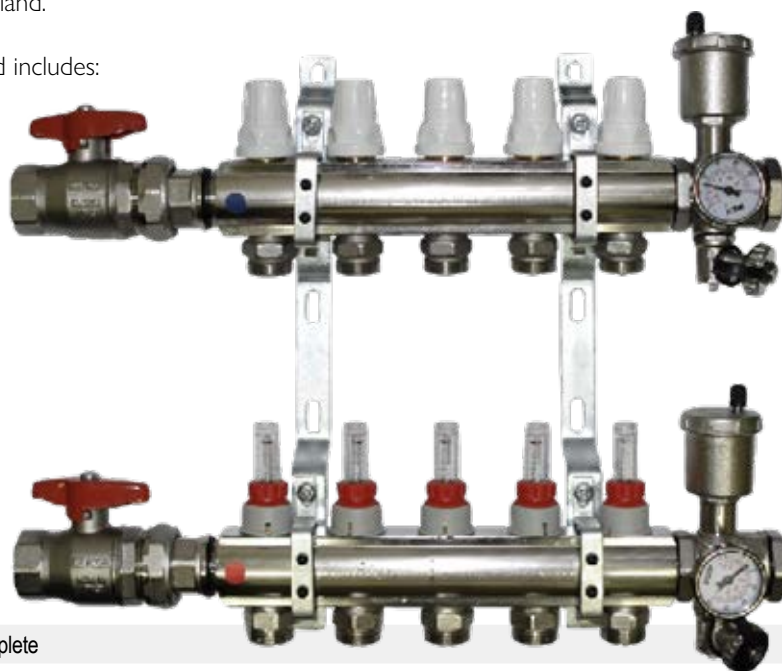
## Aquaflow Chrome Plated Underfloor Heating Manifold

Does not include mixing set  
(See page 57)

- High quality Italian manufactured manifolds.
- Tried and tested by quality plumbers all over Ireland.

Underfloor Heating solid brass nickel plated manifold includes:

- Isolation valves
- Suits 28mm Actuators
- Adjustable flow balancing meters
- Flow and Return isolating valves 1"
- Flow and Return Temperature gauges
- Filling, Venting and drain valves
- Mounting Brackets
- 3/4" x 16mm connection cores



Code	Description
UFMA31	Aquaflow 3 port chrome plated manifold complete
UFMA32	Aquaflow 4 port chrome plated manifold complete
UFMA33	Aquaflow 5 port chrome plated manifold complete
UFMA34	Aquaflow 6 port chrome plated manifold complete
UFMA35	Aquaflow 7 port chrome plated manifold complete
UFMA36	Aquaflow 8 port chrome plated manifold complete
UFMA37	Aquaflow 9 port chrome plated manifold complete
UFMA38	Aquaflow 10 port chrome plated manifold complete
UFMA39	Aquaflow 11 port chrome plated manifold complete
UFMA40	Aquaflow 12 port chrome plated manifold complete
UFMA41	Aquaflow 13 port chrome plated manifold complete
UFMA42	Aquaflow 14 port chrome plated manifold complete
UFMA43	Aquaflow 15 port chrome plated manifold complete



## Aquaflow Underfloor Heating Manifold Sections

- Underfloor Heating solid brass nickel plated manifold Including brackets only.
- Connection cores are an optional extra (See UFCO02A Page 58).
- Blank ends and isolation valves are an optional extra.

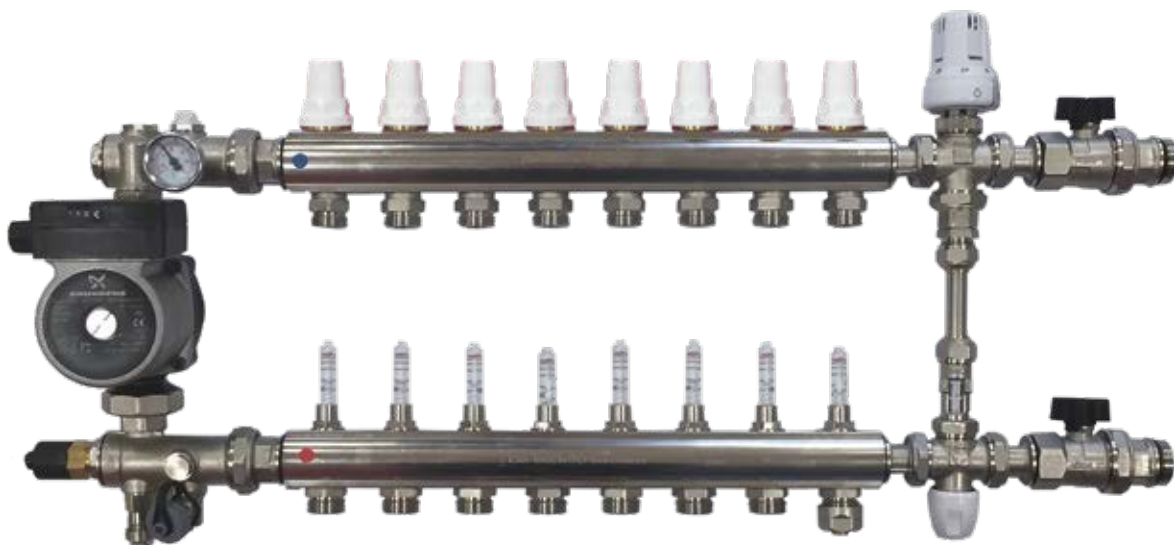
Code	Description
UFMA20	Aquaflow 3 port chrome plated manifold section
UFMA21	Aquaflow 4 port chrome plated manifold section
UFMA22	Aquaflow 5 port chrome plated manifold section
UFMA23	Aquaflow 6 port chrome plated manifold section
UFMA52	Aquaflow 7 port chrome plated manifold section
UFMA53	Aquaflow 8 port chrome plated manifold section
UFMA54	Aquaflow 9 port chrome plated manifold section
UFMA55	Aquaflow 10 port chrome plated manifold section





## Aquaflow Underfloor Mixing Set

- Our high quality Mixing / pump set is the ultimate in underfloor mixing sets providing protection against all eventualities. It includes a thermostatic mechanical mixing valve, high head circulation pump, adjustable bypass valve, thermometer and air vent.



MIXING SET ON MANIFOLD

Code	Description
<b>UFMA30</b>	Aquaflow Underfloor mixing set complete with pump

## Aquaflow End Module

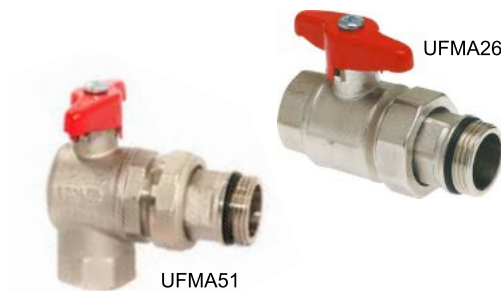
- Aquaflow end module with thermometer, auto air vent and drain valve.



Code	Description
<b>UFMA25</b>	Aquaflow 1" valve, with drain, auto air vent & thermometer

## Aquaflow 1" Isolation Valve

- Aquaflex butterfly isolation valve for underfloor heating manifold. Both angle and straight type to suit your particular installation.



Code	Description
<b>UFMA51</b>	Aquaflow angle isolation valve 1" connection
<b>UFMA26</b>	Aquaflow straight isolation valve 1" connection

## Aquaflex Manifold Mounting Bracket



- Aquaflex Mounting bracket for underfloor heating manifold.

Code	Description
<b>UFMA29</b>	Aquaflow mounting bracket for underfloor (Per bracket)

## Aquaflow Underfloor Heating Manifold Connector



UFMA27

UFMA28

- Aquaflex Manifold extension connector:

Code	Description
<b>UFMA27</b>	Aquaflow 1" blank end to suit underfloor heating manifold
<b>UFMA28</b>	Aquaflow 1" M/M underfloor manifold section connector

## Straight Connector 312 (F)



- Does not include nut, ring and insert set - Requires one set (See UFCO02A below)

Code	Description
<b>UFCO11</b>	3/4" x 1/2" Female Connector 312

## Straight Connector 310



- Does not include nut, ring and insert set - Requires two sets (See UFCO02A Below)

Code	Description
<b>UFCO13</b>	3/4" x 3/4" Straight Connector 310

## Aquaflow Nut, Ring and Insert (Per set)



- Aquaflow Core Sets

Code	Description
<b>UFCO01</b>	15 mm x 3/4" Aquaflow / Polyflow Nut, Ring And Insert (Per set)
<b>UFCO02A</b>	16 mm x 3/4" Aquaflow / Polyflow Nut, Ring And Insert (Per set)
<b>UFCO03</b>	17 mm x 3/4" Aquaflow / Polyflow Nut, Ring And Insert (Per set)
<b>UFCO04</b>	18 mm x 3/4" Aquaflow / Polyflow Nut, Ring And Insert (Per set)
<b>UFCO05</b>	20 x 2.9 mm x 3/4" Aquaflow / Polyflow Nut, Ring And Insert (Per set)

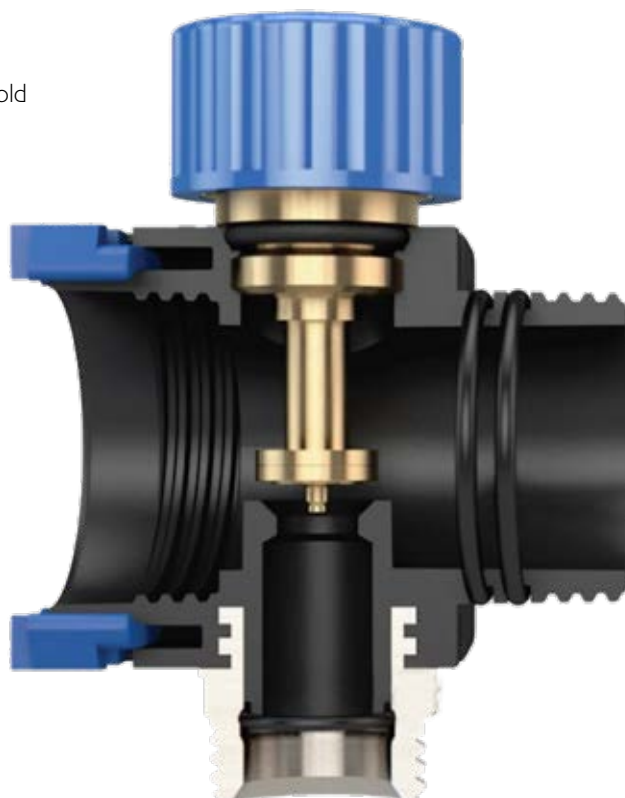
**Special sizes on request.**

- Our Energy efficient manifolds save time and money.
- This is the most flexible manifold system available in Europe. The manifolds are also self insulating and are therefore more efficient than your standard steel or brass manifold alternatives.
- Simple to add additional circuits if required. Never get caught out on site with a fixed sectional manifold.
- Double "O" Ring seal between modules guaranteeing a perfect seal every time.

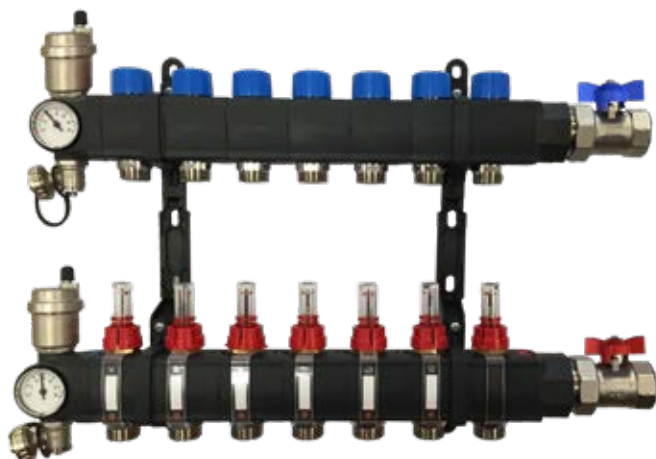


Benefits

- Lightweight and robust manifold made of reinforced polyamide
- Ideal for heating and cooling
- The easiest way to assemble a manifold: just screw & lock
- Installation without special tools
- Slim design (depth 80 mm)
- Modular: possibility to add and remove single modules
- Safety first: integrated safety clips to assemble your manifold
- Self-insulating, through integrated air chambers
- All the components are sealed by double internal O rings
- Reversible: Left or Right handed
- Modules Can be positioned facing up or down
- Room labelling clips
- Pre-mounted plastic brackets
- 100% Tightness test
- Ready to connect and operate
- Max 10 Bar pressure
- Max 95°C



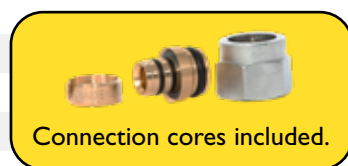
## Polyflow Complete Manifolds



### Includes

- Red Flow Module
- Blue Return Module
- Brackets
- 3/4" x 16mm Connection Cores
- 1" Isolation Valves
- End Modules
- Thermometer
- Drain Off & Air Vent
- Temperature Gauges
- Nuts, Rings and Inserts to suit 16mm pipe

Code	Description
UFMA02	Polyflow 2 port manifold complete
UFMA03	Polyflow 3 port manifold complete
UFMA04	Polyflow 4 port manifold complete
UFMA05	Polyflow 5 port manifold complete
UFMA06	Polyflow 6 port manifold complete
UFMA07	Polyflow 7 port manifold complete
UFMA08	Polyflow 8 port manifold complete
UFMA09	Polyflow 9 port manifold complete
UFMA10	Polyflow 10 port manifold complete
UFMA11	Polyflow 11 port manifold complete
UFMA12	Polyflow 12 port manifold complete
UFMA13	Polyflow 13 port manifold complete



## Polyflow Manifold Components

Code	Description
UFPP01	Polyflow Red Flow Module
UFPP02	Polyflow Blue Return Module
UFPP03	Polyflow End Module Male Thread 1 1/4"
UFPP04	Polyflow Connection End Module C/W Auto Air Vent and Drain
UFPP05	Polyflow Manifold Bracket (Per Bracket)
UFPP10	Polyflow Straight Isolation Valve 1" F x 1" 1/4" Union (Per Pair)
UFPP11	Polyflow Angled Isolation Valve 1" F x 1" 1/4" Union (Per Pair)

## Polyflow Underfloor Composite Heating Manifold Mixing Set



- Includes pump and mixing valve.
- Only suits Polyflow manifolds, UFMA02 - UFMA13. (See Page 60)
- Left and right handed available.



**2 YEAR WARRANTY ON PUMP**

Code	Description
<b>UFMA30A</b>	Polyflow Mixing Set complete with Aquapro pump (Left Handed)
<b>UFMA30B</b>	Polyflow Mixing Set complete with Aquapro pump (Right Handed)

## Aquatech Nylon Staple Tacker Gun



- Rapid and accurate installation of underfloor heating systems. Should be used in conjunction with high density insulation.
- The tacker gun is spring loaded and requires no bending over to install the pipe work.
- For use with UFST02 & UFST13 staples only.
- To maintain smooth operation, occasionally spray WD40 or equivalent on the staple runner guide.

Code	Description
<b>UFST06</b>	Heavy Duty Staple Tacker 40 / 60mm (SUITS UFST02 & UFST13)

## Aquatech Nylon Staples



- High Quality nylon staples.
- These staples are suited for use with the above heavy duty staple taker UFST06.
- Nylon staples maintain flexibility in cold weather without snapping.

Code	Description
<b>UFST02</b>	Underfloor Staple 40mm for heavy duty tacker (Pack of 1000)
<b>UFST13</b>	Underfloor Staple 60mm for heavy duty tacker (Pack of 300)

## Wood Staple Tacker Gun



- Rapid and accurate installation of underfloor heating systems. Should be used where pipe work is being fixed to wooden surfaces.
- The tacker gun is spring loaded and requires no bending over to install the pipe work.
- For use with UFST04 staples only. See Page 62.
- To maintain smooth operation, occasionally spray WD40 or equivalent on the staple runner guide.

Code	Description
<b>UFST05</b>	Rider tacker gun for underfloor (wood staples only)

## Wood Staple for Tacker Gun



- High quality metal plastic coated staples for use with wood staple tacker gun UFST05.
- The staples can only be purchased in boxed quantities of 500 pieces.

Code	Description
<b>UFST04</b>	Underfloor wood staple 16mm suitable (rider tacker) (Pack of 500)

## Aquatech Underfloor Quicktrack

- The Aquatech tracking system saves time, money, and installation costs as well as giving you a better job which is neat and pipe spacings are accurate and give even heat distribution. Sold by the meter.



UFTR01



UFTR02

Code	Description
<b>UFTR01</b>	16/17mm Underfloor Quick Track (per meter)
<b>UFTR02</b>	16/17mm Underfloor Quick Track with STAPLE hook (per meter)

## Aquatech Underfloor Quicktrack Staple



- These high quality staples hold the tracking in place and are pushed into the insulation by hand.
- Sold in boxes of 200.
- These are used to secure plumbing pipe to insulation.

Code	Description
<b>UFST18</b>	Underfloor staple 66mm suitable for track (Pack of 200)

## Aquatech Support Sleeve

- Support sleeves for rising to manifolds ensure a quality tight bend preventing the pipe from kinking and keeping the pipe close to the wall.
- Should be used with PERT underfloor pipe. (See page 55)



Code	Description
<b>UFSU01</b>	16 mm x 90° support sleeve

## Aquatech Underfloor Pipe Decoiler

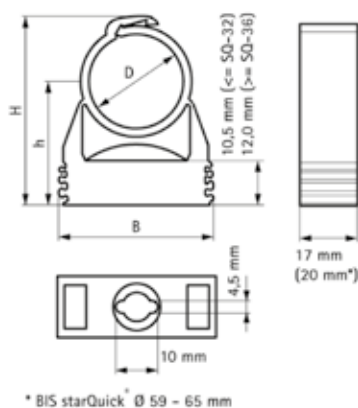
- Vertical pipe decoiler is used to decoil large coils of underfloor heating pipe.
- It prevents the pipe from getting tangled and kinked.
- The decoiler also eliminates the requirement of another person to manually roll out the coil, saving time and money.



Code	Description
PEUR75	Underfloor Vertical Adjustable Pipe Decoiler

## StarQuick Clips

- For all pipe sizes 10 - 44mm
- All in one clamp
- Clamp closes by applying pressure to the pipe
- Due to a patented profile it is possible to join several clamps to each other in line
- Resistant to UV, ageing, oil and petrol
- No corrosion
- Recyclable
- Reusable
- Fixing screw not included



Code	Description
FIX001	Aquafix Starquick 16 - 20mm pipe clip (Pack of 50)
FIX002	Aquafix Starquick 20 - 23mm pipe clip (Pack of 50)
FIX003	Aquafix Starquick 24 - 28mm pipe clip (Pack of 50)
FIX004	Aquafix Starquick 32 - 35mm pipe clip (Pack of 50)
FIX005	Aquafix Starquick 40 - 44mm pipe clip (Pack of 25)



# UNDERFLOOR CONTROL SYSTEMS

Aquatech provides all types of heating control systems from wireless room thermostats, touch screen to optimised time and temperature controllers. We also provide actuators for underfloor heating, motorised valves, underfloor mixing sets, full bore motorised valves suitable for heat pumps, system control modules which simplify the wiring and enable it to be a plug and play system all relays etc are built in to this simple unit. Remote control of systems using wifi and more.

So talk to us if you have a system that needs control and we will help to design a system to meet your needs.

## ICMA Actuator



- Wax cartridge actuator designed for opening or closing mechanical valves.
- Extremely reliable. These suit Aquaflow manifolds.
- Work with 90% of manifolds on the market

Code	Description
UFTA10	ICMA 230V NC Actuator 28mm 2 Wire
UFTA11	ICMA 230V NC Actuator 28mm with Auxiliary Switching 4 Wire
UFTA13	ICMA 24V NC Actuator 28mm 2 Wire
UFTA12	ICMA 30mm x 28mm Actuator Adaptor Ring

## Como Time and Temperature Battery Thermostat



### Features

- Ease of use room temperature by means of a dial
- Programmable daily/weekly/weekend timer with three operating times per day
- Economic temperature settings for night time reduction or ECO mode
- Holiday program
- Frost protection
- Can switch volt free or 230V

Code	Description
COKS09	Como Time and Temp Programmable Digital Battery Room Thermostat
COKS47	Como Remote Temperature Sensor (Used in commercial installations)



# DIGITAL THERMOSTATS

## Aquatech Battery Digital Room Thermostat (+/-) RT310



- Switching volt free and 230V
- Frost Protection
- 5 Year Warranty
- Simple Operation
- Non programmable



Code	Description
<b>COS004A</b>	Aquatech Battery Digital Room Thermostat (+/-) RT310

## Aquatech Battery Digital Room Programmable Thermostat (+/-) RT510



- 16 amp relay switching
- Manual mode on thermostat to disable schedule
- Heating Boost Mode
- Holiday Mode
- Contemporary design
- Easy Installation
- Switching volt free and 230V
- Sleep Mode
- Programmable time and temperature scheduling
- Frost Protection



Code	Description
<b>COS008</b>	Aquatech Battery Operated Programmable Room Thermostat RT510

## Digital Room Thermostat For Under Floor Heating (Non Programmable)



- The Aquatech Digital Room Thermostat is a stylish and accurate thermostat with a large easy to read LCD display.
- Requires a permanent live and neutral input and a switched live output.



Code	Description
<b>COS004</b>	Aquatech 230V Digital room thermostat (+/-)

## Aquatech Wireless Programmable Battery Thermostat



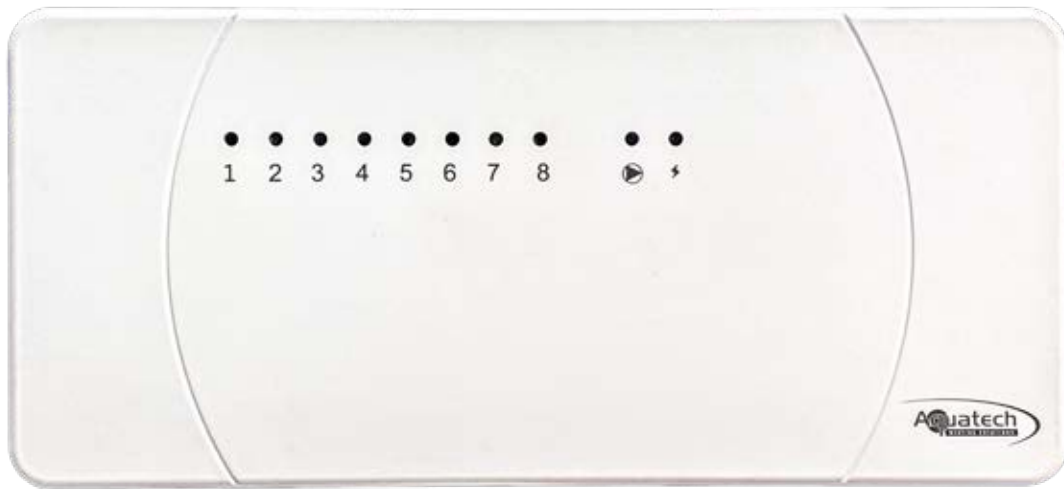
Code	Description
<b>SALW01</b>	Aquatech KL08RF Wireless 8 Zone Logic Wiring Centre
<b>SALW02</b>	Aquatech Wireless Quantum RF Thermostat - SQ610RF



# UNDERFLOOR WIRING CENTRE

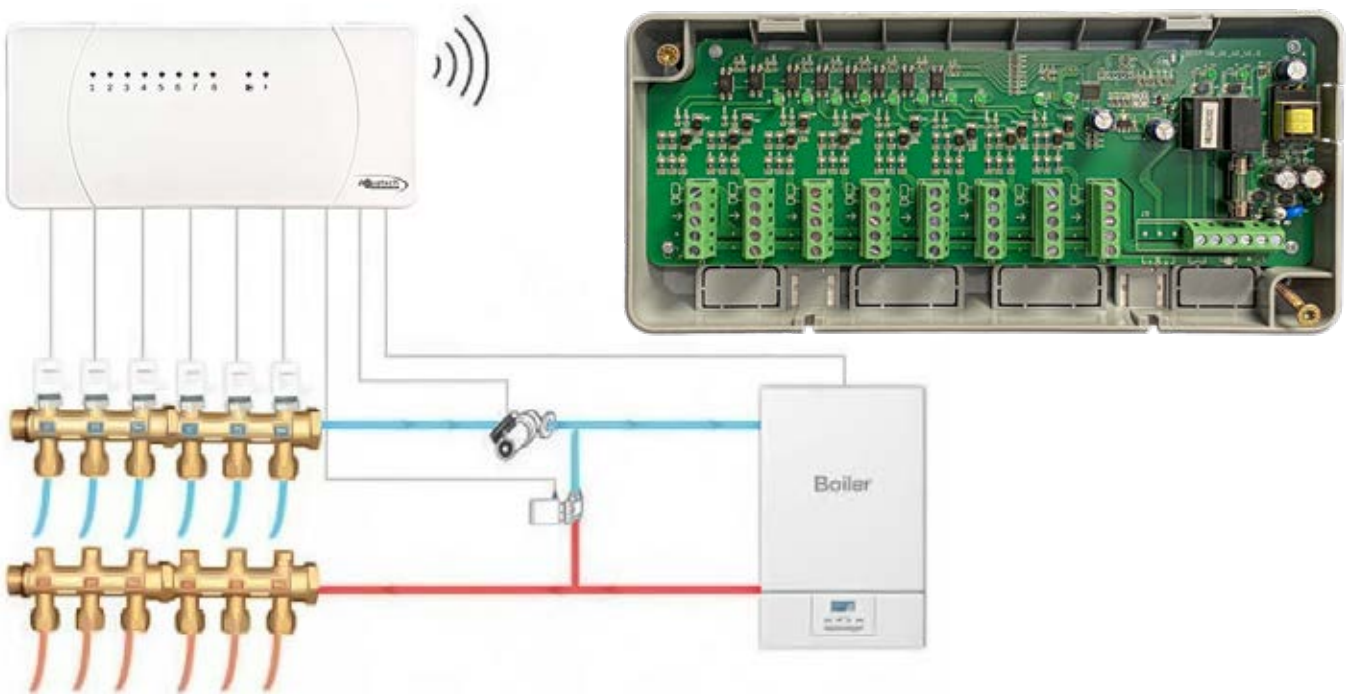
## Aquatech Heating Wiring Centre

- This is the main control, wiring and distribution centre for your underfloor heating system.
- It links actuators to room thermostats, runs the pump and fires the boiler/heat pump/etc.



Connection:

Inside device:



Code	Description
COLG150	Aquatech 230V Logic Wiring Centre 8 Zone

## Single Zone Polyvention Box and Thermostatic Sensor Head



- This unit enables you to connect a new room with underfloor heating to an existing radiator system and give you thermostatic control of system.
- Suitable for extensions or conservatories, for underfloor heating applications.

Code	Description
UFMA14	Single Zone Polyvention Box & Thermostatic Sensor Head

## Strap On Pipe Thermostat

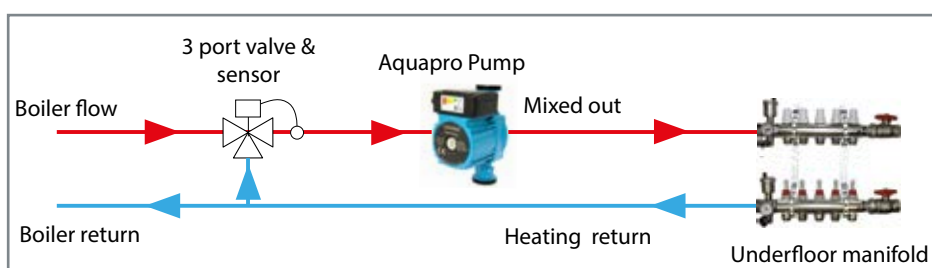


- This thermostat is typically used to turn on a circulating pump on a solid fuel heating system.

Code	Description
COHE06	Strap On Pipe Thermostat 10 - 90°C

## Aquatech Underfloor Mixing Valve and Sensor Head

### SUITS ALL MAKES OF UNDERFLOOR HEATING MANIFOLDS



Code	Description
UFCA02	Aquatech 3 Port 1" underfloor heating mixing valve
UFCA03	Aquatech sensor head 20-60°C for thermostatic mix valve
UFCA04	Aquatech 1" x 3 port mixing valve, nipples & sensor head (ALL OF THE ABOVE)

## Manual Mixing Valves



Code	Description
COKS60	Minimix 1" x 3 port manual mixing valve
COKS61	Minimix 1 1/4" x 3 port manual mixing valve
COKS74	Maximix 1 1/2" x 3 port manual mixing valve
COKS75	Maximix 2" x 3 port manual mixing valve
COKS10	Minimix 1" x 4 port manual mixing valve
COKS11	Minimix 1 1/4" x 4 port manual mixing valve
COKS76	Maximix 1 1/2" x 4 port manual mixing valve
COKS77	Maximix 2" x 4 port manual mixing valve

## Wita SM-WR-FR-A6 Motor



- The motor has an independent power supply and can accurately maintain a constant flow or return temperature with sensor probe included. The motor must be used in conjunction with a 3 or 4 port minimix valve (as seen above).
- Very accurate mixing motor for controlling the flow of heating water.
- As it has a built in temperature sensor, it does not require remote control.
- Typically it has a built in over heat temperature protection function.
- Used to reduce the temperature from a buffer cylinder to a heating system.

Code	Description
COKS96	Wita Sm 5.10 Motor 150 Sec 10 NM 230V 50 Hz

# 11 PIPE & FITTINGS

Aquatech supply all types of pipe, multilayer pipe, pex-al-pex, pert, pert-al-pert, insulated pert-al-pert, insulated pex-al-pex, underfloor heating pipe.

1. For Radiator/Underfloor Heating Systems
2. For Heating Systems
3. For Plumbing and Water Systems
4. Flexible Gas Pipe
5. Pre-insulated Pipe
6. Pipe in Pipe
7. From 16mm to 75mm



## Aquaflex Nut, Ring & Insert



- Suits all makes of pipe.

Code	Description
PAF210	16 x 2mm Nut, Ring and 16mm Insert (Multilayer 16 x 2mm)
PAF210A	16 x 1/2" Nut, Ring and 15mm Insert (Metric Copper)
PAF210B	16 x 1/2" Nut, Ring and 1/2" Insert (Irish Compression fitting)
PAF210C	Adapter Nut and Olive 20mm x 3/4" Compression fitting
PAF210D	Adapter Nut and Olive 25/26mm x 1" Compression fitting

## Aquaflex Male & Female Blanks



Code	Description
PAF212	3/4" Chrome Female Blank
ICSP05	3/4" Chrome Male Blank
PAF211	3/4" Brass Female Blank
ICSP03	3/4" Brass Male Blank
ICSP06	1" Chrome Female Blank
ICSP04	1" Brass Female Blank
ICSP02	1" Brass Male Blank

## Compression Manifold with Isolation Valves

- Connection cores NOT included (See page 68)
- Suitable for radiator isolation, Domestic hot and cold isolation.
- If using 16 x 2mm pipe use PAF210 adapters.



### 3/4" Inlet X 16mm Outlets

Code	Description
AQMA10	2 Port 3/4" x 16mm Compression Manifold with isolation valves
AQMA11	3 Port 3/4" x 16mm Compression Manifold with isolation valves
AQMA12	4 Port 3/4" x 16mm Compression Manifold with isolation valves
AQMA13	5 Port 3/4" x 16mm Compression Manifold with isolation valves
AQMA25	Aquaflex 3/4" Manifold Mounting Bracket (per pair)

Optional Extra



### 1" Inlet X 16mm Outlets

Code	Description
AQMA20	2 Port 1" X 16mm Compression Manifold with isolation valves
AQMA21	3 Port 1" X 16mm Compression Manifold with isolation valves
AQMA22	4 Port 1" X 16mm Compression Manifold with isolation valves
AQMA23	5 Port 1" X 16mm Compression Manifold with isolation valves
AQMA26	Aquaflex 1" Manifold Mounting Bracket (per pair)

## Aquatech Full Bore Lever Valve - Lifetime Guarantee - Double "O" Ring Seals

### PREMIUM VALVES

Code	Description
PAFT196	Aquatech 1/2" x 1/2" F/F Lever valve (Lifetime Guarantee)
PAFT197	Aquatech 3/4" x 3/4" F/F Lever valve (Lifetime Guarantee)
PAFT198	Aquatech 1" x 1" F/F Lever valve (Lifetime Guarantee)
PAFT199	Aquatech 1 1/4" x 1 1/4" F/F Lever valve (Lifetime Guarantee)



### Aquaflex Lever Ball Valve

Code	Description
PAFT180	Aquaflex 1/2" x 1/2" Lever valve F/F
PAFT181	Aquaflex 3/4" x 3/4" Lever valve F/F
PAFT182	Aquaflex 1" x 1" Lever valve F/F



### Aquaflex Full Bore Butterfly Valve

- Full Bore Butterfly Valve

Code	Description
PAFT193	Aquaflex 1/2" F/F Butterfly valve (Full Bore)
PAFT194	Aquaflex 3/4" F/F Butterfly valve (Full Bore)
PAFT195	Aquaflex 1" F/F Butterfly valve (Full Bore)



# EUROFLEX PIPE

Euroflex is a tried and tested European brand, manufactured in Germany. It is competitively priced. All pipe is 100% oxygen barrier proof. The most flexible pipe available, even with 1" pipe sizes. When you roll out this pipe it remains straight. It does not spring back, thereby avoiding potential accidents caused by recoil.

50 year manufacturers warranty. Smooth surface area makes it easy to work with. Available in all sizes in plain, insulated, pipe in pipe, pipe in pipe insulated, lengths and coils.

Euroflex has all relevant certification such as CE mark based on ETA. The CE - ETA mark is a harmonised European standard and supersedes all local and national approvals in European countries, Euroflex also has IAB (Irish Agreement Board) certification.



Euroflex PE-RT heating and plumbing pipe.  
5 layer oxygen barrier IAB approved No. 02/0164 & CE approved ETA No. 05/0042.  
Irish Imperial dimensions allow the pipe to be used in conjunction with imperial sized compression and push fit fittings.



## Euroflex Plumbing Pipe



Code	Description
PEUR50	Euroflex oxygen barrier pipe 1/2" x 100 meter coil
PEUR51	Euroflex oxygen barrier pipe 3/4" x 50 meter coil
PEUR52	Euroflex oxygen barrier pipe 1" x 50 meter coil

## Euroflex Plumbing Pipe Lengths

Code	Description
PEUR80	Euroflex oxygen barrier pipe 1/2" - per 6 meter length
PEUR81	Euroflex oxygen barrier pipe 3/4" - per 6 meter length
PEUR82	Euroflex oxygen barrier pipe 1" - per 6 meter length



## Euroflex Pipe in Pipe

Code	Description
PEUR70	Euroflex Oxygen barrier pipe in pipe 1/2" x 75 meter coil
PEUR71	Euroflex Oxygen barrier pipe in pipe 3/4" x 50 meter coil
PEUR72	Euroflex Oxygen barrier pipe in pipe 1" x 50 meter coil



## Euroflex Pre Insulated Barrier Pipe

Code	Description
PEUR40	Euroflex Pre insulated barrier pipe 1/2" x 50 meter coil
PEUR41	Euroflex Pre insulated barrier pipe 3/4" x 50 meter coil
PEUR42	Euroflex Pre insulated barrier pipe 1" x 50 meter coil



# GASTITE GAS PIPE

Corrugated Stainless Steel Tubing or CSST, was first developed as a way to protect gas installations from the seismic movement earthquakes can cause, and it has been recognised as a gas piping material since 1998. Now, around the world CSST is used as a reliable, flexible and time-saving alternative to copper and steel. Gastite® CSST is suitable for use with all three family gases. Meeting all relevant standards, it is approved under BS EN 15266 for corrugated pipework up to DN50 with a maximum working pressure of 500mbar.

## QUICK AND EASY INSTALLATION

Gastite Gas Pipe Per Meter



**SAVE THE COST OF BUYING A FULL ROLL  
WHEN YOU ONLY REQUIRE A FEW METRES!**

**AT AQUATECH WE CUT THE PIPE  
TO SUIT YOUR REQUIREMENTS**



Code	Description
GTP12	Gastite 1/2" Stainless Steel Pipe Per Meter
GTP13	Gastite 3/4" Stainless Steel Pipe Per Meter
GTP14	Gastite 1" Stainless Steel Pipe Per Meter
GTP15	Gastite 1 1/4" Stainless Steel Pipe Per Meter
GTP16	Gastite 1 1/2" Stainless Steel Pipe Per Meter
GTP17	Gastite 2" Stainless Steel Pipe Per Meter (Special Order)

**FULL COILS AVAILABLE IN 75, 150 & 300 METERS**

# GASTITE FITTINGS

## Gastite Straight Joiner

Code	Description
GTCO01	Gastite 1/2" Straight Joiner 310
GTCO02	Gastite 3/4" Straight Joiner 310
GTCO03	Gastite 1" Straight Joiner 310
GTCO04	Gastite 1 1/4" Straight Joiner 310
GTCO05	Gastite 1 1/2" Straight Joiner 310



## Gastite Straight Male Fitting

Code	Description
GTSF01	Gastite 1/2" Straight Fitting 311
GTSF02	Gastite 3/4" Straight Fitting 311
GTSF03	Gastite 1" Straight Fitting 311
GTSF04	Gastite 1 1/4" Straight Fitting 311
GTSF05	Gastite 1 1/2" Straight Fitting 311
GTSF06	Gastite 2" Straight Fitting 311



## Gastite Straight Female Fitting

Code	Description
GTSF10	Gastite 1/2" Straight Fitting 312
GTSF11	Gastite 3/4" Straight Fitting 312



## Gastite Silicone Repair Tape Roll

Code	Description
GTRP01	Gastite Silicone Repair Tape Roll (Special Order)



## How to terminate Gastite Gas Pipe



See the video, which demonstrates how to terminate Gastite Pipe!





# AQUATECH STAINLESS STEEL PIPE & FITTINGS

## Aquatech Stainless Steel Pipe

- Suitable for fast hydraulic connections with no waste, for solar, sanitary equipment, boilers, radiators, food industry and steam applications.
- Available Diameters: 1/2", 3/4" and 1"
- Coil length: 50 meters
- Working pressure: 16 Bar
- Short term temperature: 650°C
- Short term pressure: 100 Bar



Code	Description
<b>EURO02</b>	Aquatech 1/2" stainless steel pipe (per meter)
<b>EURO03</b>	Aquatech 3/4" stainless steel pipe (per meter)
<b>EURO04</b>	Aquatech 1" stainless steel pipe (per meter)

## Aquatech Reducing Brass Nipple M/M Thread



Code	Description
<b>EUR080</b>	Aquatech Reducing Nipple M/M 3/4" x 1/2"
<b>EUR081</b>	Aquatech Reducing Nipple M/M 1" x 3/4"
<b>EUR082</b>	Aquatech Reducing Nipple M/M 1 1/4" x 1"

## Aquatech Reducing Bush Brass M/F Thread



Code	Description
<b>EUR083</b>	Aquatech Reducing Bush F/M 1/2" x 3/4"
<b>EUR084</b>	Aquatech Reducing Bush F/M 3/4" x 1"
<b>EUR085</b>	Aquatech Reducing Bush F/M 1" x 1 1/4"

## Aquatech Flat faced 1" Bush



Code	Description
<b>SOAU042</b>	Aquatech Bush 1" F x 3/4" M (flat faced)
<b>EUR056</b>	Aquatech Bush 3/4" F x 1/2" M (flat faced)

### Aquatech Straight Nipple 310



Code	Description
EURO43	Aquatech 1/2" straight nipple 310
EURO44	Aquatech 3/4" straight nipple 310
EURO45	Aquatech 1" straight nipple 310

### Aquatech Ni-Plated Brass Nipple M/M Thread



Code	Description
EUR076	Aquatech 1/2" Nipple M/M
EUR077	Aquatech 3/4" Nipple M/M
EUR078	Aquatech 1" Nipple M/M
EUR079	Aquatech 1 1/4" Nipple M/M

### Aquatech Ni-Plated Brass Nipple M/F Thread



Code	Description
EUR072	Aquatech 1/2" Bush M/F Flat Faced
EUR073	Aquatech 3/4" Bush M/F Flat Faced
EUR074	Aquatech 1" Bush M/F Flat Faced
EUR075	Aquatech 1 1/4" Bush M/F Flat Faced

### Aquatech Nut



Code	Description
EUR101	Aquatech 1" x 3/4" nut
EUR102	Aquatech 1/2" x 3/4" nut
EUR102A	Aquatech 1/2" x 3/4" gasket

### Aquatech Ni-Plated Brass Nut



Code	Description
EURO40	Aquatech 1/2" Nut
EURO41	Aquatech 3/4" Nut
EURO42	Aquatech 1" Nut
EURO67	Aquatech 1 1/4" Nut

### Aquatech Gaskets



Code	Description
EUR088	Aquatech 1/2" Gasket
EUR089	Aquatech 3/4" Gasket
EUR090	Aquatech 1" Gasket
EUR091	Aquatech 1 1/4" Gasket

# AQUATECH UNDERFLOOR HEATING PIPE

Aquatech underfloor heating pipe is a tried and tested European brand, manufactured in Germany using PERT which is by its nature far more flexible and easier to use than PEX. It is competitively priced. All pipe is 100% oxygen barrier proof. Extremely flexible with a 50 year manufacturers warranty. Smooth surface area makes it easy to work with.

Available in 100m, 600m and 1000m coils.

Euroflex has all relevant certification such as CE mark based on ETA. The CE - ETA mark is a harmonised European standard and supersedes all local and national approvals in European countries, Euroflex also has IAB (Irish Agreement Board) certification.



## Aquatech PERT Underfloor Heating Pipe

- Aquatech underfloor heating pipe is a tried and tested European brand, manufactured in Germany using PERT pipe technology which is by its nature far more flexible and easier to use than PEX. It is competitively priced. All pipe has a 100% oxygen barrier proof layer. Extremely flexible with a 50 year manufacturers warranty. Smooth surface area makes it easy to work with. Available in 100m, 600m and 1000m coils.

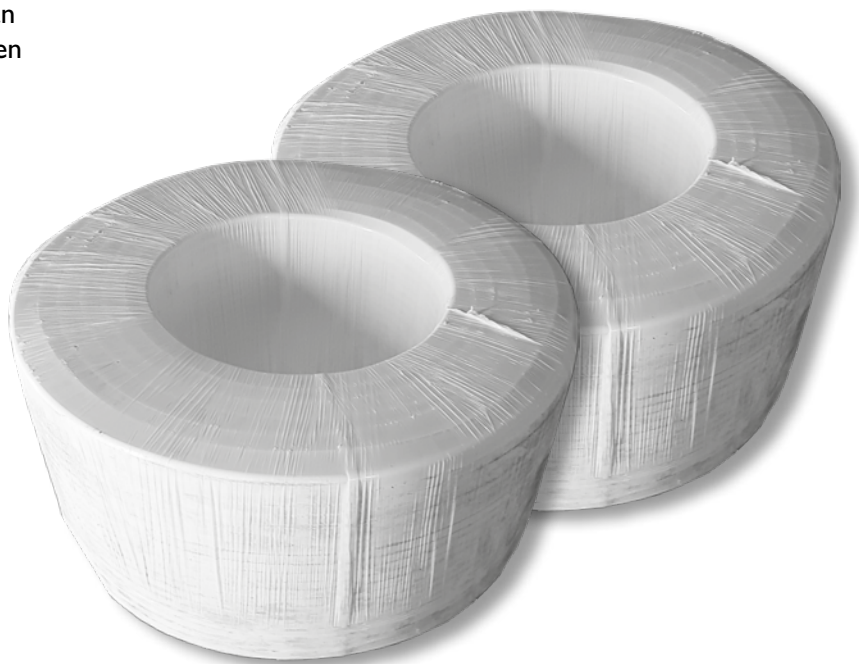


5 Layer oxygen barrier.  
CE approved ETA

Code	Description
PEUR60	Underfloor Oxygen barrier pipe 16mm x 100 meters
PEUR62	Underfloor Oxygen barrier pipe 16mm x 600 meters
PEUR64	Underfloor Oxygen barrier pipe 16mm x 1000 meters

## Aquaflex Aluminium Underfloor PERT/AL/PERT Pipe

- Pert-Al-Pert is a multilayer pipe with an aluminium core which acts as an oxygen barrier layer.



Code	Description
PAF001	Aquaflex 16mm x 100mtr pert/al/pert pipe
PAF004	Aquaflex 16mm x 200mtr pert/al/pert pipe
PAF005	Aquaflex 16mm x 500mtr pert/al/pert pipe

## Underfloor Pipe Decoiler

- Vertical pipe decoilers are used to decoil large coils of underfloor heating pipe.
- It prevents the pipe from getting tangled and kinked.
- The decoiler also eliminates the requirement of another person to manually roll out the coil, saving time and money.



Code	Description
PEUR75	Underfloor Vertical Adjustable Pipe Decoiler

This pipe is a two in one system. With the pipe insulation and control wire for the solar sensor built into one makes for rapid installation.



### SOLAR FLEX ADVANTAGES

- Low heat loss with its EPDM Rubber insulation.
- Real time feed back transfer with its sensor cable.
- Easy installation with its flexible body (most flexible available on the market).
- Easy and quick installation due to metal to metal compression fittings (no gaskets required).
- The external insulation is braided with special polyamide, this special braiding protects the insulation from external impact and birds pecking the insulation.
- Pipe: AISI 316L Stainless steel.
- Insulation: Rubber (13mm).
- Braid: Special polyamide.
- Fittings: Brass Compression.
- Max. Working pressure: 16 Bar.
- Working temperatures: -40°C to 300°C.

- PRE INSULATED
- ARMoured SLEEVE
- CORRUGATED
- STAINLESS STEEL PIPE

### Solarflex Pipe

Code	Description
SOAU01	Solarflex easy fit 3/4" duo 13mm (10 meter)

### Solarflex Compression Fittings

- Simple assembly fittings for Solarflex pipe.



Code	Description
SOAU12	Solarflex Compression DN16 x 3/4" 311
SOAU13	Solarflex Compression DN16 x 3/4" 312

# 1 2 RADIATORS & ACCESSORIES



## THE MOST ECONOMIC ALUMINIUM RADIATOR ON THE IRISH MARKET

Aluminum high output sectional radiator.

### NO RUSTING

- Available from 3 sections ex stock.
- Available in 350, 500 and 600 model sizes ex stock.
- Available in white as standard ex stock.
- Most common industry size is the 500 series.
- 40% higher output than conventional steel radiators.
- Space saving due to smaller surface area requirement.
- Small volumes of water ensure rapid heat up.
- Work with all heat sources.
- An excellent match for heat pumps.
- Why use steel rads when you can have aluminum for minimal extra cost.



## SUITABLE FOR LOW HEAT INPUT SYSTEMS

### Helyos Aluminium Classic Radiator Range

Accessories:

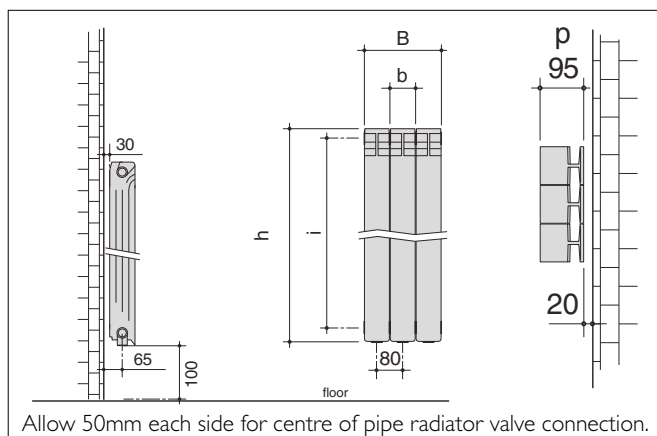
- Thermostatic radiator valve and lock shield 15mm and 16mm.
- Non Thermostatic radiator valve and lock shield 15mm and 16mm.
- Mounting Brackets.
- Reducer blanking set.

**40% MORE  
EFFICIENT THAN  
STEEL**



## Helyos 350 Series **Ex Stock**

Code	Description
RAD001	Helyos 350 Series 3 Section Aluminium Radiator
RAD002	Helyos 350 Series 4 Section Aluminium Radiator
RAD003	Helyos 350 Series 5 Section Aluminium Radiator
RAD004	Helyos 350 Series 6 Section Aluminium Radiator
RAD005	Helyos 350 Series 7 Section Aluminium Radiator
RAD006	Helyos 350 Series 8 Section Aluminium Radiator
RAD007	Helyos 350 Series 9 Section Aluminium Radiator
RAD008	Helyos 350 Series 10 Section Aluminium Radiator
RAD009	Helyos 350 Series 11 Section Aluminium Radiator
RAD010	Helyos 350 Series 12 Section Aluminium Radiator
RAD011	Helyos 350 Series 13 Section Aluminium Radiator
RAD012	Helyos 350 Series 14 Section Aluminium Radiator
RAD013	Helyos 350 Series 15 Section Aluminium Radiator



## Helyos 500 Series **Ex Stock**

Code	Description
RAD021	Helyos 500 Series 3 Section Aluminium Radiator
RAD022	Helyos 500 Series 4 Section Aluminium Radiator
RAD023	Helyos 500 Series 5 Section Aluminium Radiator
RAD024	Helyos 500 Series 6 Section Aluminium Radiator
RAD025	Helyos 500 Series 7 Section Aluminium Radiator
RAD026	Helyos 500 Series 8 Section Aluminium Radiator
RAD027	Helyos 500 Series 9 Section Aluminium Radiator
RAD028	Helyos 500 Series 10 Section Aluminium Radiator
RAD029	Helyos 500 Series 11 Section Aluminium Radiator
RAD030	Helyos 500 Series 12 Section Aluminium Radiator
RAD031	Helyos 500 Series 13 Section Aluminium Radiator
RAD032	Helyos 500 Series 14 Section Aluminium Radiator
RAD033	Helyos 500 Series 15 Section Aluminium Radiator

## Helyos 600 Series **Ex Stock**

Code	Description
RAD041	Helyos 600 Series 3 Section Aluminium Radiator
RAD042	Helyos 600 Series 4 Section Aluminium Radiator
RAD043	Helyos 600 Series 5 Section Aluminium Radiator
RAD044	Helyos 600 Series 6 Section Aluminium Radiator
RAD045	Helyos 600 Series 7 Section Aluminium Radiator
RAD046	Helyos 600 Series 8 Section Aluminium Radiator
RAD047	Helyos 600 Series 9 Section Aluminium Radiator
RAD048	Helyos 600 Series 10 Section Aluminium Radiator
RAD049	Helyos 600 Series 11 Section Aluminium Radiator
RAD050	Helyos 600 Series 12 Section Aluminium Radiator
RAD051	Helyos 600 Series 13 Section Aluminium Radiator
RAD052	Helyos 600 Series 14 Section Aluminium Radiator
RAD053	Helyos 600 Series 15 Section Aluminium Radiator

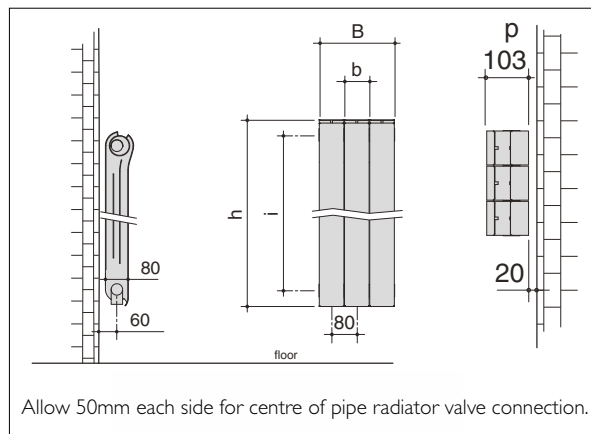


# Ottimo Aluminium Designer Radiator Range



## Accessories:

- Thermostatic radiator valve and lock shield.
- Non Thermostatic radiator valve and lock shield.
- Mounting Brackets.
- Reducer blanking set.
- Available in 15mm and 16mm.



Code	Description
RAD100	Ottimo 500 Series 3 Section Aluminium Radiator
RAD101	Ottimo 500 Series 4 Section Aluminium Radiator
RAD102	Ottimo 500 Series 5 Section Aluminium Radiator
RAD103	Ottimo 500 Series 6 Section Aluminium Radiator
RAD104	Ottimo 500 Series 7 Section Aluminium Radiator
RAD105	Ottimo 500 Series 8 Section Aluminium Radiator
RAD106	Ottimo 500 Series 9 Section Aluminium Radiator
RAD107	Ottimo 500 Series 10 Section Aluminium Radiator
RAD108	Ottimo 500 Series 11 Section Aluminium Radiator
RAD109	Ottimo 500 Series 12 Section Aluminium Radiator
RAD110	Ottimo 500 Series 13 Section Aluminium Radiator
RAD111	Ottimo 500 Series 14 Section Aluminium Radiator
RAD112	Ottimo 500 Series 15 Section Aluminium Radiator



## White Pipe Rosette



Code	Description
RADR01	16mm White radiator rosette x 1 piece



## Radiator Mounting Bracket Set

- Brackets have a correct preset distance to suit equivalent radiator.
- Radiator automatically locks into place on the brackets.
- For radiators in excess of 18 sections an extra centre bracket support is recommended.



Code	Description
<b>RADB01</b>	Aluminium 350 Series Mounting Bracket Set.
<b>RADB02</b>	Aluminium 500 Series Mounting Bracket Set.
<b>RADB03</b>	Aluminium 600 Series Mounting Bracket Set.

## Radiator Blanking Adaptor Kit

Application and description

- The reducer blanking set is used to blank off two connections.
- One of the blank connections comes with a manual air vent.
- The other two connections are reduced down to 1/2" connections to take radiator valves.
- A blanking kit is required with every radiator.



Code	Description
<b>RADB10</b>	Radiator 1" x 1/2" Blanking Adaptor Kit

## Kaldus Aluminium Designer Radiator Range



Accessories:

- Thermostatic radiator valve and lock shield available in 15 and 16mm sizes
- Non Thermostatic radiator valve and lock shield
- WI-FI Digital Thermostatic Radiator Valves
- Mounting Brackets
- Reducer blanking set



Code	Description
<b>RAD299</b>	3 Section Kaldus 1600 Aluminium Radiator
<b>RAD300</b>	4 Section Kaldus 1600 Aluminium Radiator
<b>RAD301</b>	5 Section Kaldus 1600 Aluminium Radiator
<b>RAD302</b>	6 Section Kaldus 1600 Aluminium Radiator
<b>RAD303</b>	7 Section Kaldus 1600 Aluminium Radiator
<b>RAD304</b>	8 Section Kaldus 1600 Aluminium Radiator
<b>RAD305</b>	9 Section Kaldus 1600 Aluminium Radiator
<b>RAD306</b>	10 Section Kaldus 1600 Aluminium Radiator



## Kaldus 1600 Mounting Bracket



Code	Description
<b>RADB06</b>	Kaldus Mounting Bracket

# BI DIRECTIONAL 15 & 16MM RADIATOR VALVES

## Bi Directional Thermostatic Radiator Valve and Lockshield



### Application and description

- A thermostatic radiator valve is designed to automatically maintain a constant air temperature in a room by opening or closing a radiator valve based on the preset temperature setting of the head.
- Accurate temperature control.
- Come with 15mm or 16mm connectors.

Code	Description
PAF222	Thermostatic Bi Directional Rad Valve and lock shield 15mm
PAF223	Thermostatic Bi Directional Rad Valve and lock shield 16mm

## Bi Directional Radiator Valve and Lockshield (Non Thermostatic)



### Application and description

- A manual radiator valve is designed to manually open or close a radiator.
- Non accurate temperature control.
- The lock-shield valve is used for balancing the flow rate to each radiator.
- Both lock- shield and radiator valves can be used to isolate a radiator completely.
- The radiator valve can be converted to thermostatic at a later stage if required.

Code	Description
PAF220	Bi Directional Radiator Valve and lock shield 15mm
PAF221	Bi Directional Radiator Valve and lock shield 16mm

## Aquatech Smart Thermostatic Radiator Valve Head (suits most radiator valves)

Aquatech's range of smart radiator valves allows for complete control of a heating system. Simply connect to your home WiFi via a smart phone. Remove old thermostatic head and replace with the Aquatech WiFi Radiator Head. The free smart app "SMART LIFE" lets you automate your heating using your smart phone via Zigbee.



- Easy to read LCD temperature control display
- Consistent room temperature controlled manually on the smart valve 5°C - 35°C or via app
- Various radiator adaptors supplied as standard
- Programmable time control per TRV head
- Individual radiator control
- Simple, no-tool installation
- Battery operated TRV Head
- Child lock function
- Touch screen control



Smart Life App



### WiFi Hub

1 Hub required per system  
(Controls up to 20 heads)

Code	Description
COTRV1	Aquatech Smart thermostatic Radiator Valve Head
COGW01	Aquatech Smart Gateway E HUB Wifi and Zigbee

# 13 AIRO HEAT RECOVERY VENTILATION

VENTILATE YOUR HOME AND LIMIT THE HEAT LOSS USING OUR VERY EFFICIENT, HIGH QUALITY PRODUCTS, WHICH ARE EXCLUSIVE TO AQUATECH.



# Residential Heat Recovery Unit

## ENERGY SAVINGS

- Reduces up to 90% of the energy required to condition fresh air to a building.
- Thanks to high efficiency fans the power consumption is small.
- Reduces initial investment cost and operational costs of main heating systems as a result of energy recovery of exhausted air.

## ADVANTAGES

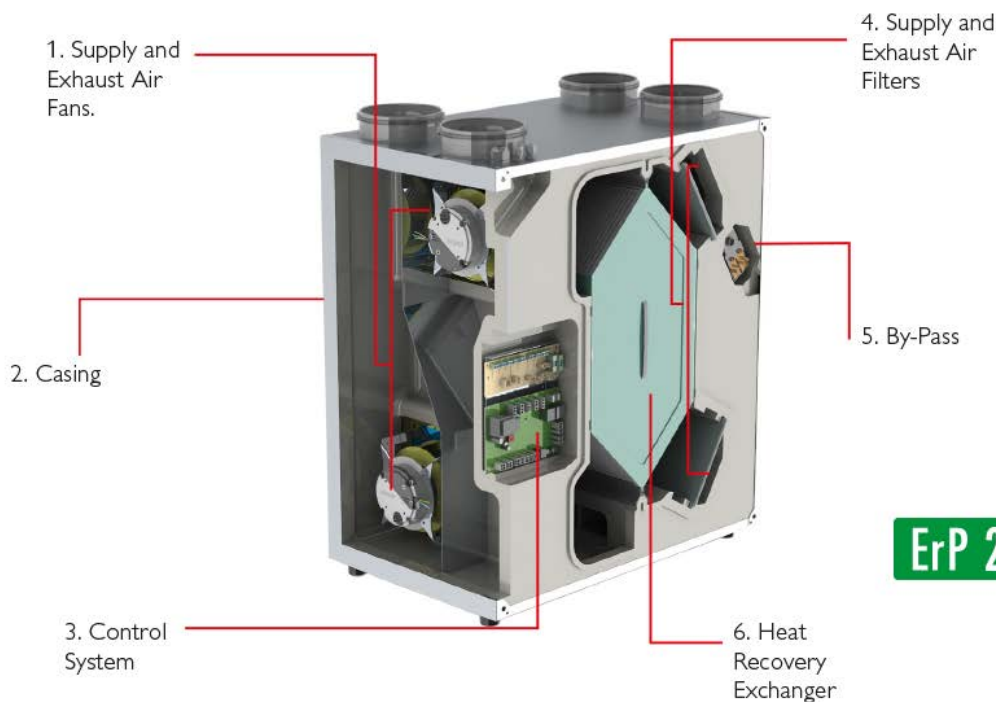
- Easy application as a result of the compact design.
- Filter Reminder.
- Fault Indicator.
- Comfort Temperature.
- Summer Bypass.
- User friendly control system.
- Low Noise.
- SAP Appendix Q Approved
- CE Certified.

## AquaAir E-300

**AquaAir** E-300 units have a summer winter by-pass system as standard. During by-pass ventilation, no heat transfer occurs between exhaust and fresh air stream. In transition periods and at night time in summer, by-pass mode helps to cool down (free-cooling) and heat up (free-heating) the building without any energy expense.

### Heat Recovery Exchanger

**AquaAir** E-300 heat recovery ventilation units have plastic counterflow, high efficiency plate exchangers. Plate exchangers have a series of plates that are designed to improve surface area and provide high efficiency transfer.



Code	Description
HRV010	AquaAir E-300 Heat Recovery Ventilation Unit 220m <sup>3</sup> (Standard controller)

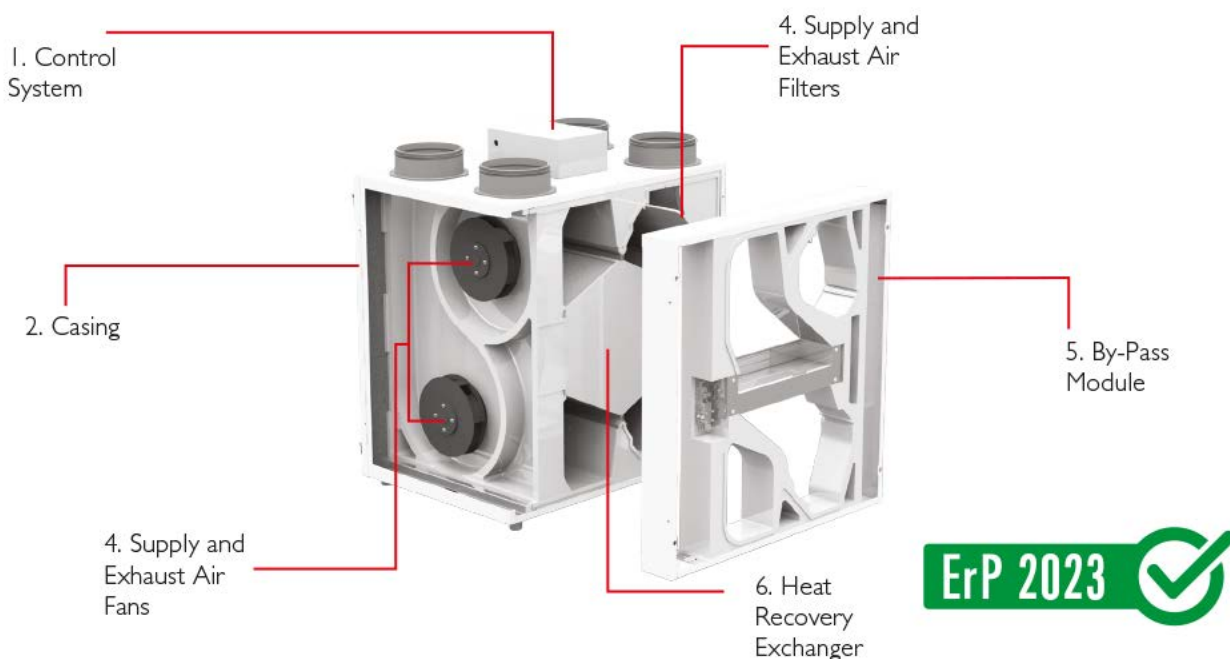
## AquaAir E-500 / E-700

### By-Pass Module

AquaAir E-500 / E-700 units have by-pass ventilation as a standard. During by-pass ventilation, no heat transfer occurs between exhaust and fresh air stream. In transition periods and at night time in summer, by-pass mode helps to cool down (free-cooling) and heat up (free-heating) the building without any energy expense.

### Heat Recovery Exchanger

AquaAir E-500 / E-700 heat recovery ventilation units have plastic counterflow, high efficiency heat recovery exchangers. Heat recovery exchangers have plates that create large surface areas to provide high efficiency. With the optimization of the exchanger the heat transfer area is increased and the pressure drop is decreased.



Code	Description
HRV012	AquaAir E-500 Heat Recovery Ventilation Unit 370m <sup>3</sup>
HRV013	AquaAir E-700 Heat Recovery Ventilation Unit 570m <sup>3</sup>

## AquaAir E Pro Control Panel



The Pro Panel controller has been developed to give users a more enhanced experience and control over all main functions of heat recovery unit and additional applications like timer, sensors connection etc. Pro panel has 4 buttons to perform all main functions of unit and a LCD screen to monitor all functions.

Code	Description
HRV020	AquaAir E Pro Digital HRV Controller (Standard option supplied)

**Control System**

The AquaAir controller was developed specifically for controlling the heat recovery ventilation system. It meets all customer demands and is user friendly. It is capable of controlling the standard equipment and optional accessories i.e. humidity sensors etc. The Aquatech controller can be switched on or off via a BMS. It can receive fault signals and control every function via ModBus.

**Casing**

High corrosion resistive 200 gr/m<sup>2</sup> galvanize coated steel is used for the casing. The case of the unit is electrostatically powder coated. Non-flammable EPS modules are used for directing the air flow homogeneously. Density of EPS is 40 kg/m<sup>3</sup>.

**Supply and Exhaust Air Fans**

The fans in the heat recovery units are equipped with innovative Electronically Commutated EC motor technology. EC motors are highly efficient and utilise simple speed control. The fan blades have high aerodynamic efficiency backward curved design. The use of EC motors reduces the energy consumption and increases the energy efficiency of the unit.

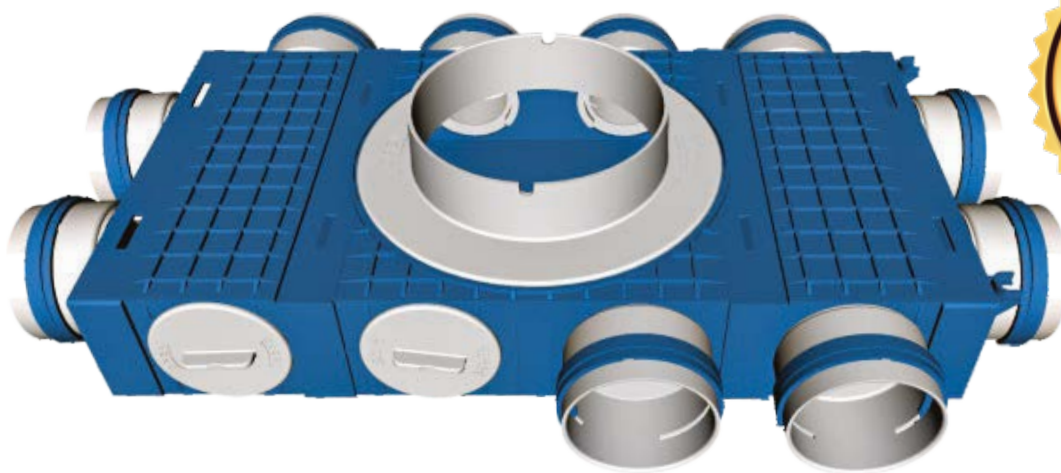
**Supply and Exhaust Air Filters**

To increase indoor air quality and to protect the equipment, G class filters (according to EN 779 standard) are used for both exhaust and supply air streams. F class filters can be also used optionally in the unit. F class filters reduce the available static pressure of the unit for the nominal air flow rate.

## Heat Recovery System Components

All components used in our manifolds are treated with silver particles. The Airo system makes it possible to enjoy fresh and clean air in the whole house, thanks to the application of active silver particles working on the surface of the system elements. Because of them no micro-organisms have a chance to develop inside the system. Even the ancient Egyptians knew and appreciated the hygienic properties of silver.

The Air distribution system has a **30-year warranty** on the biocide coating. Each element of the system contains a protective coating based on microsilver particles, which protects against the multiplication of fungi and bacteria. The reliability of the coating has been confirmed by accredited laboratories.



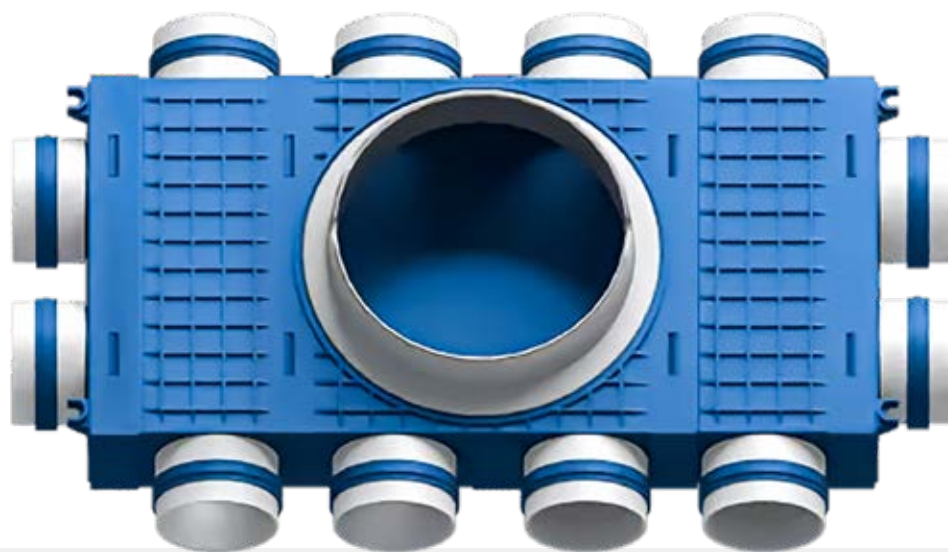
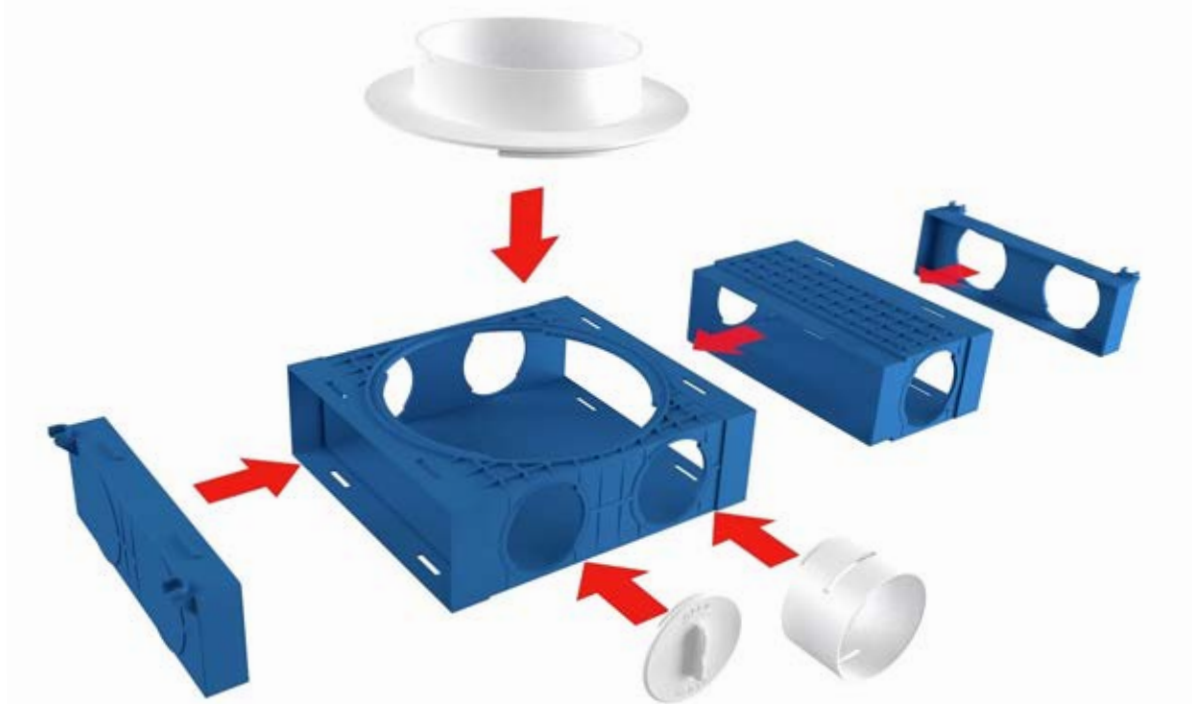
### Better Airflow

The modular system of ventilation fittings is a universal set of plastic elements, which can be used to construct any type of distribution manifold in a "minute".

The connections between the fittings are airtight and the connector pipes fit perfectly into the ventilation ducts. This modular system is so flexible it allows you to cater for all the different installation requirements that you may run into when installing a system.



# HRV MANIFOLD COMPONENTS

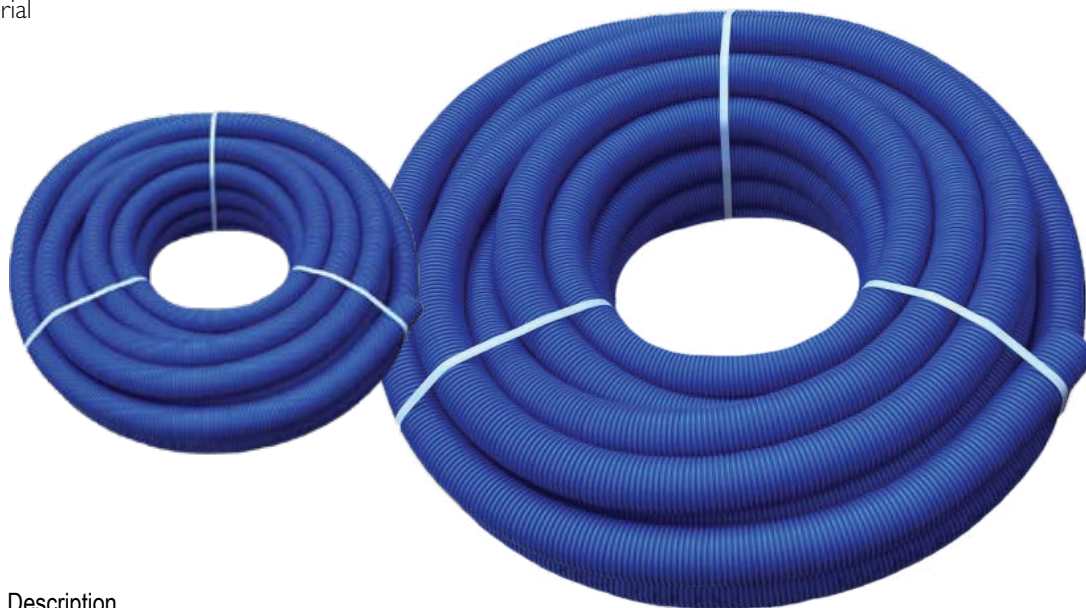


Code	Description
HRV8000	4 Port HRV Manifold 75mm Outlets Complete
HRV8001	5 Port HRV Manifold 75mm Outlets Complete
HRV8002	6 Port HRV Manifold 75mm Outlets Complete
HRV8003	7 Port HRV Manifold 75mm Outlets Complete
HRV8004	8 Port HRV Manifold 75mm Outlets Complete
HRV8005	9 Port HRV Manifold 75mm Outlets Complete
HRV8006	10 Port HRV Manifold 75mm Outlets Complete
HRV8007	11 Port HRV Manifold 75mm Outlets Complete
HRV8008	12 Port HRV Manifold 75mm Outlets Complete
HRV8009	13 Port HRV Manifold 75mm Outlets Complete
HRV8010	14 Port HRV Manifold 75mm Outlets Complete
HRV8011	15 Port HRV Manifold 75mm Outlets Complete
HRV8012	16 Port HRV Manifold 75mm Outlets Complete



## AquaAir Semi Rigid Pipe

- It is made of a material that is not easily damaged, making it a good choice for applications where there is a risk of impact or abrasion.
- Anti-bacterial



Code	Description
HRV3001	AquaAir Semi Rigid Pipe 50 Mtr 75mm Anti Bacterial & Anti Static

## AquaAir HRV Insulated Rigid Pipe and Accessories, for extract and intake air from HRV unit

- Insulated rigid pipe and accessories.



Code	Description
HRV4000	AquaAir HRV Insulated Rigid Pipe DN125 x 2 meter length
HRV4001	AquaAir HRV Insulated Rigid Pipe DN160 x 2 meter length
HRV4002	AquaAir HRV Insulated Rigid Pipe DN180 x 2 meter length
HRV4010	AquaAir HRV Insulated Rigid Elbow 90° DN125
HRV4011	AquaAir HRV Insulated Rigid Elbow 90° DN160
HRV4012	AquaAir HRV Insulated Rigid Elbow 90° DN180
HRV4020	AquaAir HRV Insulated Rigid Elbow 45° DN125
HRV4021	AquaAir HRV Insulated Rigid Elbow 45° DN160
HRV4022	AquaAir HRV Insulated Rigid Elbow 45° DN180
HRV4060	AquaAir HRV Insulated Rigid Straight Coupler DN125
HRV4061	AquaAir HRV Insulated Rigid Straight Coupler DN160
HRV4062	AquaAir HRV Insulated Rigid Straight Coupler DN180
HRV4070	AquaAir HRV Insulated Rigid Pipe Hanger DN125
HRV4071	AquaAir HRV Insulated Rigid Pipe Hanger DN160
HRV4072	AquaAir HRV Insulated Rigid Pipe Hanger DN180





## AquaAir External Wall Vent

- AquaAir External Wall Vent



Code	Description
HRV4093	AquaAir External wall vent BLACK DN125
HRV4095	AquaAir External wall vent BLACK DN160
HRV4097	AquaAir External wall vent BLACK DN180

## AquaAir Insulated Roof Transition

- AquaAir Insulated Roof Transition



Code	Description
HRV5000	AquaAir Insulated Roof Terminal Black DN 125/166
HRV5001	AquaAir Insulated Roof Terminal Black DN 150/166
HRV5002	AquaAir Insulated Roof Terminal Black DN 180/186

## AquaAir Inlet Valve

- AquaAir Inlet Valve



Code	Description
HRV6001	AquaAir Plastic Inlet Valve DN125

## AquaAir Outlet Valves

- AquaAir Outlet Valve



Code	Description
HRV7001	AquaAir Plastic Outlet Valve DN125

# SINGLE ROOM ANTI MOULD HEAT RECOVERY UNIT

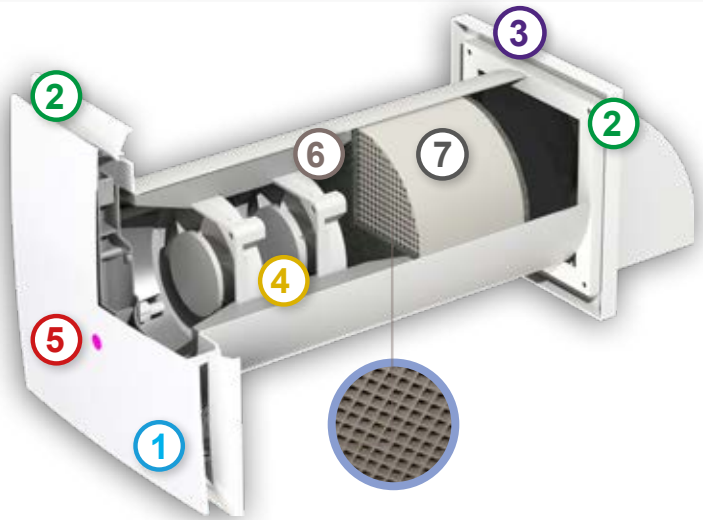
## ANTI MOULD

AirO In Wall Extraction Fan  
C/W Heat Recovery Ventilation



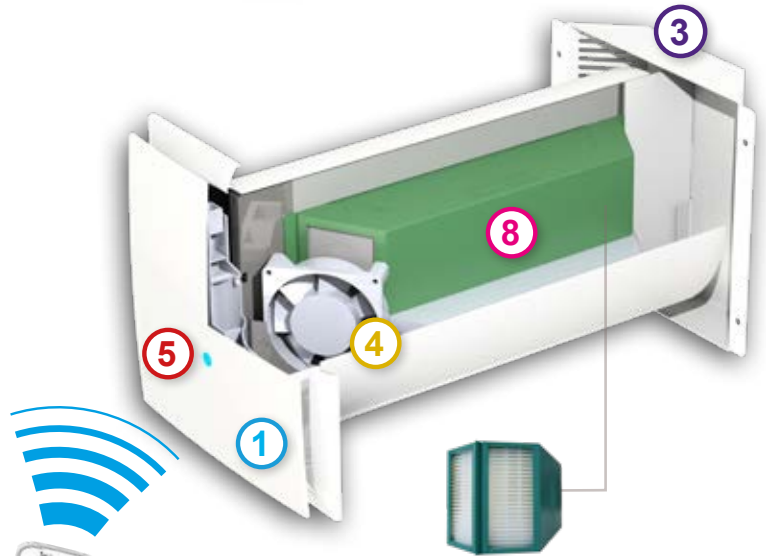
### AirO 30/55/80 Features

- For wall installation.
- Available with air flow rate from 30 to 80 m<sup>3</sup>/h.
- No formation of condensation during operation.
- High efficiency heat exchanger in ceramic material.
- Wall opening 110-130-160mm.
- Built in filters class G2.
- Low energy consumption fan.
- Suitable for continuous operation.
- Supplied with 3-speed remote control.
- Coloured LEDs for settings display.
- 3 speed fan operation,
- External power supply 220 Vac - 12 Vdc supplied.
- Minimum wall thickness for installation: 210mm, from inside to outside through wall.



### AirO 100 Features

- For wall installation flow rate 93m<sup>3</sup>/h.
- No formation of condensation during operation.
- High efficiency cross flow polyester heat exchanger.
- Wall opening 220mm.
- Class G2 incorporated filters.
- Low energy consumption fan.
- Suitable for continuous operation.
- Supplied with 3-speed remote control.
- Coloured LEDs for settings display.
- Built in power supply 220 Vac - 12 Vdc supplied.
- Minimum wall thickness for installation 370mm.



SUPPLIED WITH REMOTE CONTROL

BUILT IN POWER SUPPLY 12 Vdc

- |   |                           |                         |  |
|---|---------------------------|-------------------------|--|
| <b>1</b> ATTRACTIVE FRONT PANEL         | <b>2</b> EXTRA SLIM GRILL | <b>3</b> EXTERNAL GRILL | <b>4</b> 3-SPEED MOTOR                             |
| <b>5</b> LED INDICATOR FUNCTION SETTING | <b>6</b> FILTER           | <b>7</b> HEAT EXCHANGER | <b>8</b> HIGH-EFFICIENCY CROSS-FLOW HEAT EXCHANGER |

Code	Description
HRV100	AirO 30 In Wall Extraction Fan C/W Heat Recovery Ventilation (30m <sup>3</sup> /h) Wall opening 110mm
HRV101	AirO 55 In Wall Extraction Fan C/W Heat Recovery Ventilation (55m <sup>3</sup> /h) Wall opening 130mm
HRV102	AirO 80 In Wall Extraction Fan C/W Heat Recovery Ventilation (80m <sup>3</sup> /h) Wall opening 160mm
HRV103	AirO 100 In Wall Extraction Fan C/W Heat Recovery Ventilation (93m <sup>3</sup> /h) Wall opening 220mm

# THE BEST PERFORMING HEAT PUMP ON THE MARKET

## 14 AIRO HEAT PUMPS AND ACCESSORIES

Aquatech is a leading provider of heat pumps, including split heat pumps, monoblocs and integrated heat pump cylinders. Heat pumps offer a number of benefits over traditional heating and cooling systems, including energy efficiency, versatility, and environmental friendliness. Aquatech is a trusted provider of heat pumps and other renewable energy solutions and offers a wide range of high-quality products and services. Aquatech is committed to helping its customers save money and reduce their environmental impact.

### THE BEST SELLING HEAT PUMP IN THE WORLD

#### WHY HEAT PUMPS?

Most inexpensive form of home heating up to 76% savings.  
Maintenance free. Well established technology, in existence since the 1940's. Produces hot water, heating and cooling. Ultra low noise levels.  
Can be used with high efficiency radiators and underfloor heating.  
Very stable electrical cost fluctuations versus alternative fuels.  
No fuel storage hence no up front fuel storage charges. One fuel bill, no oil or gas bills. 15 to 20 year life span. 5 year warranty on parts if installed by an approved Aquatech installer.

*Airo*



# SPLIT HEAT PUMP

## AirO Heat Pump Split Systems



- The split system consists of an indoor and outdoor unit.
- The outdoor unit produces the energy and transfers it to the indoor unit where the energy is used to supply the buildings heating and hot water requirements.
- The main controller for the heat pump is built into the indoor unit.
- The indoor unit consists of a plate heat exchanger; variable speed "A" rated circulating pump, dry run protection switch for the pump, 2 back up 3 KW immersion heaters, pressure gauge, automatic air vent, 3 bar safety valve and 3 Port hot water diverting valve with water sensor as standard.
- The external unit consists of an evaporator; DC fan, electronic expansion valve, DC compressor; defrost heater on the bottom tray to prevent freezing and external sensor as standard.
- Heats hot water to 60°C using the compressor only.



OUTDOOR UNIT



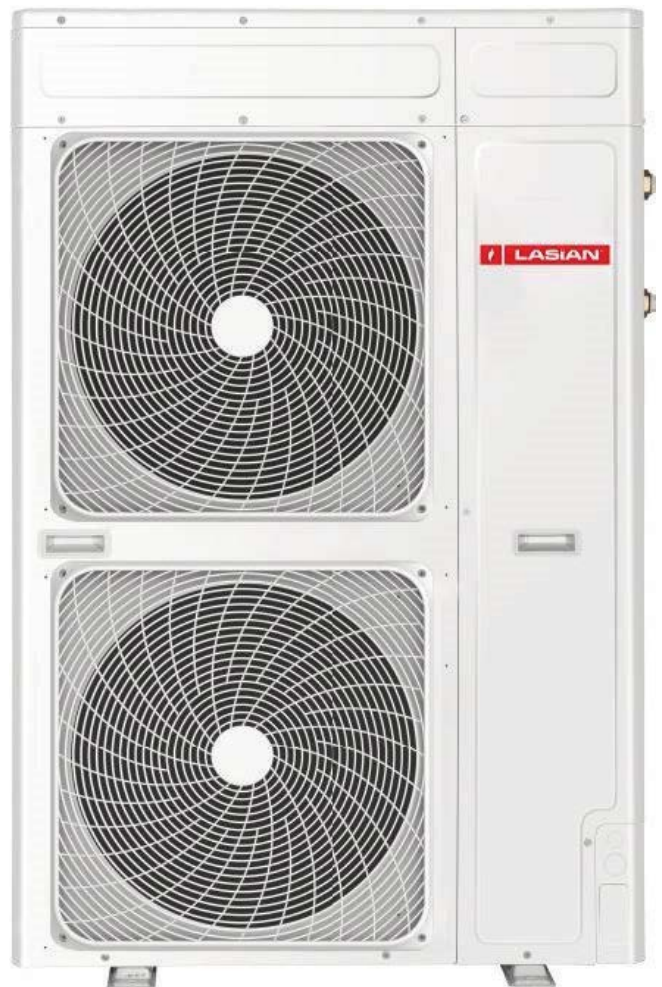
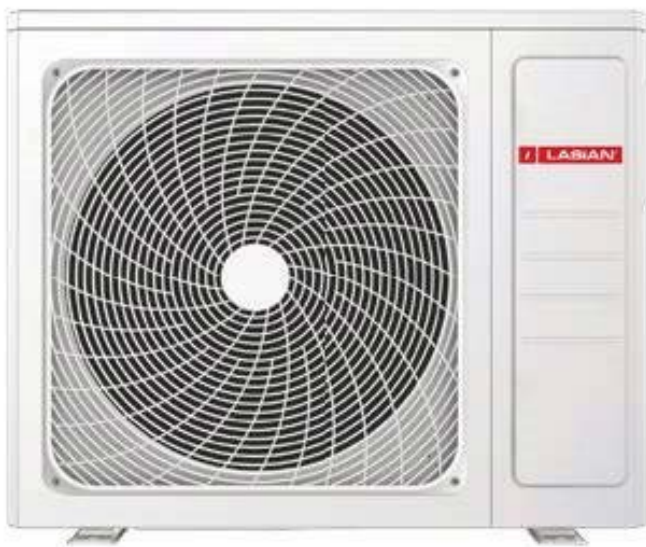
INDOOR UNIT

Code	Description
ASHP01	Airo 6 KW Split Indoor And Outdoor Heat Pump R32 Gas
ASHP02	Airo 12 KW Split Indoor And Outdoor Heat Pump R32 Gas

# MONOBLOC



- The monobloc system consists of an all in one outdoor unit.
- It operates in a similar manner to the split system and produces the heating and hot water requirements for your building.
- It consists of the same components of the split system, but all are housed in one outside unit.
- The advantage of the monobloc heat pump over the split system is that all internal space is kept free and it can be positioned much further away from your home.
- Heats water to 60°C using only the compressor without the requirement of back up immersion heaters.



Code	Description
LAHP03	Lasian 11 KW Monobloc Heat Pump
LAHP04	Lasian 16 KW Monobloc Heat Pump

# INTEGRATED HEAT PUMP CYLINDER HOT WATER ONLY

## Airo Deva+ Heat Pump Cylinder

The AIRO Deva + is an extremely energy efficient means of heating hot water: The cylinder has been produced with minimal service in mind. The complete compressor unit on top of the cylinder can be removed without affecting the cylinder in any way. The heat from the compressor is transferred to the internal water; externally by means of a large coil wrapped around the cylinder body inside the insulated jacket. A suitably sized potable expansion vessel and safety valve are required (optional extra).



Scan to see  
full brochure



**IDEAL FOR HOT WATER PRODUCTION  
FOR SUPERMARKETS,  
RESTAURANTS, CRECHES AND ANY  
PLACE THAT REQUIRES PLENTIFUL  
USE OF ECONOMICALLY PRICED HOT  
WATER.**

### Advantages

- Manufactured from 1.4521/444 Marine Grade Stainless Steel
- Mains and Well water approved
- Equipped with a digital display
- Intelligent photovoltaic solar input function
- Dehumidifies and cools small spaces
- Anti-legionella function
- Built in backup Titanium Immersion heater 1.8 KW
- Coefficient Of Performance = 3.8 (380% Efficient)
- Back up heating coil for use with solar; oil or gas
- Fully programmable hot water heating times
- 10 year manufacturer warranty on cylinder
- 2 year manufacturer warranty on immersion heater
- 2 year manufacturer warranty on Mitsubishi compressor

Code	Description
CYEL400	AIRO Heat Pump Cylinder 200 LTR Single Coil 1.9 KW Immersion
CYEL401	AIRO Heat Pump Cylinder 300 LTR Single Coil 1.9 KW Immersion



## Recommended Accessories



- The cantilever bracket is used for mounting a heat pump on a wall.



Code	Description
HPPO30	Heavy Duty Galvanised Cantilever Bracket 750mm
HPPO30A	Heavy Duty Galvanised Cantilever Bracket 1250mm
HPPO31	Unistrut Channel Nut Long Spring M8
HPPO32	Unistrut Hexagon Screw M8 x 40mm
HPPO33	Unistrut Flat Washer M8
HPPO35	Unistrut Hexagon Screw M8 x 60mm

## Heat Pump Adjustable Floor Base 450 Support



- Vibration damping floor based support made with a characteristic structure in vulcanised recycled rubber granules is equipped with an aluminium profile
- Equipped with a built in level for correct positioning

Code	Description	Dimension
HPAC03	Heat Pump Floor Base Riser 450	L 450 x W 140 x H 95 mm

## Aquatech Magnetic Filter Ball Valve



- Ball valve for heating systems
- Easy cleaning, no tools needed
- Replaceable stainless-steel strainer with 0.6 mm mesh size
- Bar magnet, 12.000 Gs induction
- Female threads is G 1"



Code	Description
HPPO11	1" Magnetic Filter Ball Valve With On/Off Isolation

## Hydro-Cyclonic Magnetic Filter



Magnetic Brass Filter - hydro-cyclonic magnetic filter is the ideal solution for gas, oil and heat pump installations. Manual Air vent, Visual Filter window allows for rapid diagnosis of a fouled system.

- Magnet: 3 parts magnets array - 10.500+ Gauss
- Compatible Fluid: Water & Glycol
- Filter Cartridge: 400 µm
- Chamber dimension: 380 ml



Code	Description
BFF001	1" F/F Magentic Filter
BFF002	1 1/4" F/F Magentic Filter

## Refrigerant Grade Copper Pipe



- Twin insulated copper piping.
- Cleaned inside and sealed at the ends under a pressure of more than 70 bar. This product is the ideal solution for air conditioning and heat pump applications.

Code	Description
ASHP201	Aquatech 10 Mtr Easy Split - 3/8" - 5/8" Insulated Copper Pipe
ASHP200	Aquatech 20 Mtr Easy Split - 3/8" - 5/8" Insulated Copper Pipe
ASHP210A	Aquatech 10 Mtr Easy Split - 3/8" - 1/2" Insulated Copper Pipe
ASHP210	Aquatech 20 Mtr Easy Split - 3/8" - 1/2" Insulated Copper Pipe

## Flexible Braided Hose



- High temperature flexible braided hoses are used for carrying water at a max temperature of 90°C and 10 bar. They act as anti vibration hoses, thus preventing noise vibration to a building from booster pumps and heat pumps.

Code	Description
SOPB04	Flexible braided hose 3/4" x 600mm (elbow)
SOPB07	Flexible braided hose 3/4" x 600mm (straight)
SOPB06	Flexible braided hose 1" x 800mm (elbow)
SOPB05	Flexible braided hose 1" x 800mm (straight)
SOPB07C	Flexible braided hose 1 1/2" x 1000mm (elbow)
SOPB07D	Flexible braided hose 1 1/4" x 1000mm (elbow)
SOPB07A	Flexible braided hose 1" x 1000mm (elbow)
SOPB07B	Flexible braided hose 1" x 1200mm (elbow)
EUR088	1/2" gasket to suit flexible hose
EUR089	3/4" gasket to suit flexible hose
EUR092	1 1/4" gasket to suit flexible hose
EUR090	1" gasket to suit flexible hose
EUR091	1 1/4" gasket to suit flexible hose

## Heat Pump Anti Freeze



Glycol

- Protects against corrosion, lime-scale & bacteriological contamination
- Compatible with all makes and models.
- Provides excellent thermal efficiency and extends system life, lowering maintenance
- Protects down to -15°C.
- pH Stable
- The product should be replaced every 3 to 5 years.

Code	Description
HPAF100	Concentrated Heat Pump Anti Freeze 10 Litre



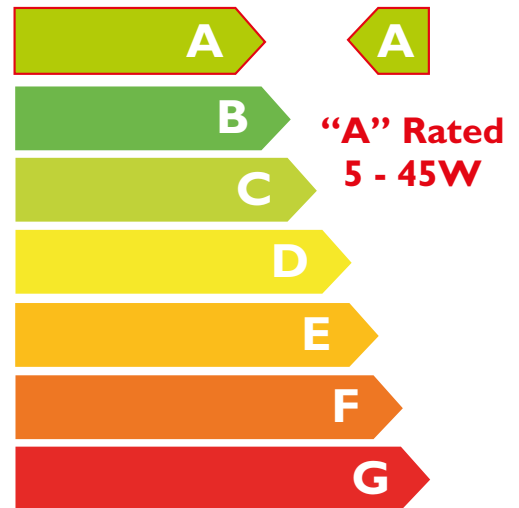
# 15 PUMPS

CALL US FOR SPECIAL OFFERS ON PUMPS

The Aquapro range of pumps are a very reliable professional range of heating pumps produced for Aquatech heating Solutions. This range of pumps are ERP 2020 approved and are used for a multiple of ranges within heating systems.

We have in stock 6, 8 & 12 Meter Circulator Pumps, Brass Pumps, Mains Pressure Pumps, Booster Pumps and Solar Pumps.

**Please contact us for bulk quantity prices.**

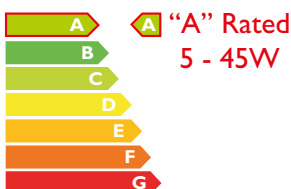


## Aquapro Circulating Pump

- The Aquapro range of pumps are a range of pumps designed for professional plumbers.
- Very high quality and reliability. Why pay more for main stream brands with the same end result!



TECHNICAL DATA			
Voltage	Single Phase, 220-240V		
Frequency	50 Hz		
Isolation Class	F		
Fluid Temperature Limits	-10°C to 110°C		
Max. Working Pressure	10 Bar		
Min. Working Pressure	0.05 Bar at 50°C		
Temperature Working Range	-10°C to 95°C		
Waterproof Rating	IP44		
Pump Weight	2.3 Kg		
Dimensions	A = 130mm	B = 123mm	C = 88mm
Speed	Min - max (manual or auto)		
Head (metres)	6m, 8m, 10m, 12m		
Power Consumption	5 - 45, 60, 80 Watts		
Functionality	Energy saving mode, min to max setting		
EMC	EC641/2009		
Electromagnetic compatibility	CFA2-40-180 EEI<0.17		



Code	Description
PUAR01	AquaPro RS25/6 EAA 4 - 6 Metre Head A-Rated Circulating Pump 130mm
PUAR02	AquaPro RS25/6 EAA 4 - 6 Metre Head A-Rated Circulating Pump 180mm

## Aquapro Smart Centrifugal Booster Pump

Booster pumps are typically used where water pressure and flow rates are low and need to be increased. This pump can be connected to a storage water tank in attic or booster tank located elsewhere. The booster pump sucks the water from this tank and pumps it through the domestic water system at a constant flow rate and pressure. Where people want the equivalent of a 5 star hotel shower in their homes, this is the answer.



- The Aquapro smart centrifugal booster pump, is an intelligent patented product specifically designed for household pressurization. It achieves high flow rates and it is extremely quiet operating.
- The Aquapro booster pump adopts a dual control intelligent system for both pressure and flow balance.
- Equipped with an inline pressure sensor which triggers the pump on and off based on demand. The pump has an advanced flow control system.
- Liquid temperature from 2°C to 110°C
- Ambient temperature up to 40°C
- Max. working pressure: 10 bar
- Max. operating pressure 1.5 Bar



Code	Description
PUAR12	AquaPro Variable Speed Booster Pump - 66 Litres/Minute - 1.5 Bar

## Aquapro Inline Booster Pump For Mains Water



- The pump is designed to pull water from a poor mains water supply
- The Aquapro Inline Booster Pump is specifically designed for household pressurization. It achieves high flow rates and it is extremely quiet operating. There is no requirement for a stored volume of water behind the pump.
- The pump is equipped with an inline flow sensor which triggers the pump on and off based on demand.
- The pump has multiple pressure settings to suit all installations.
- The pump is supplied with a filter strainer on the incoming mains water supply as standard.
- Liquid temperature from 2°C to 110°C
- Ambient temperature up to 40°C
- Max. pressure: 6 bar



Code	Description
PUAR11	AquaPro Inline Mains Water Booster Pump - Max 52 Litres/Minute @ 12 Mtr Head

## Aquapro Three-Speed Circulator Pump



- Pump casing with suction and delivery connections with the same diameter and on the same axis (in-line).
- Liquid temperature from 2°C to 110°C
- Ambient temperature up to 40°C
- Max. working pressure: 10 bar
- 1 1/2 Connections
- 130 mm Body



Code	Description
PUAR10	AquaPro RS25/6 EAA 4 - 6 Meter Head Standard 130mm Pump
PUAR03	AquaPro CPD25-80 - 8 Meter Head Standard 180 mm Pump
PUAR04	AquaPro CPD25-120 - 12 Meter Head Standard 180 mm Pump

## Aquapro Three-Speed Circulator Brass Pump



- Pump casing with suction and delivery connections with the same diameter and on the same axis (in-line).
- Liquid temperature from 2°C to 110°C
- Ambient temperature up to 40°C
- Max. working pressure: 10 bar
- 1 1/2 Connections
- 130 mm Body



Code	Description
PUGR05	Aquapro 1 1/2" 25/60 Brass Pump 130 MM

## Solar Pump Replacement (For Solar Pumping Station)



- The Grundfos replacement solar pump has a short term temperature allowance of 130°C and constant operating temperature of 110°C.
- The length of the pump body is 130mm. Pump head can replace existing faulty Grundfos.



Code	Description
PUGR01	Grundfos 15-65 130 Solar Replacement Pump (30mm 1" Connections)

## Wita Secondary Circulating Pump



- 2 year guarantee
- Anti-lock function
- Low power consumption 3.0 - 6.5 W
- 3 pump curves
- Compact design
- Ceramic bearings
- Brass body



Code	Description
PUWT20	Wita 1/2" Brass Circulating Pump

## Taco Solar Pump



- Very high degrees of efficiency due to Taco permanent magnets motor
- Compact design: the smallest available on the market
- Hydraulics designed for solar thermal systems
- The pump housing is cathaphoresis treated (KTL) and resistant to corrosion
- A LED provides information about the operation status of the circulator
- Min-Max mode: allows to set the exact working point across the range
- Wide temperature limit from + 2°C to + 110°C, ideal for renewable energy solar thermal systems



Code	Description
PUTA01	Taco Solar 7 Meter - 130 Replacement Pump 30mm Connection

## Aquatech Submersible Pump



- Multi-stage submersible pump with centrifugal impellers.
- Designed for clean water up to 35°C, with a maximum of 40 stop/starts per hour.
- Can handle a maximum sand content of 60 grams per square meter.
- Works both vertically and horizontally, with a maximum immersion depth of 17 meters and a 20-meter cable.
- Manufactured from high-quality Stainless Steel AISI 304, ensuring durability and corrosion resistance.
- Easy to dismantle for maintenance and cleaning
- Single-phase versions come with a built-in capacitor; while the motor shaft is made of Stainless Steel AISI 420.
- The motor is asynchronous, offering high-quality insulation and IP 68 protection. Internal cooling is achieved through non-polluting mineral oil, with external cooling through pumped liquid, and a built-in overload protection system for safety.

Code	Description
PUSU01	Aquatech Submersible Pump 3 Bar 10 Meter Head 100 Ltr Per Minute

## Wilco Hi Multi Series Freshwater Booster Pumps



- Stainless steel pressure booster pumps for pressurising water supplies. Can be used for various purposes i.e. showers in sports complexes, power showers in houses. Pressurising complete houses, guest house etc.
- A complete range of larger Wilco booster pumps are available on request.

Code	Description
PUWI20	Wilco Hi Multi 3-23 Fresh Water Pump Complete With Fluid Control
PUWI21	Wilco Hi Multi 3-43 Fresh Water Pump Complete With Fluid Control
PUWI22	Wilco Hi Multi 3-45 Fresh Water Pump Complete With Fluid Control
PUWI23	Wilco Hi Multi 3-23 Booster Pump (Pump Only) 50 L/Min 3 Bar
PUWI24	Wilco Hi Multi 3-43 Booster Pump (Pump Only) 100 L/Min 3 Bar
PUWI25	Wilco Hi Multi 3-45 Booster Pump (Pump Only) 100 L/Min 4 Bar
PUFL10	Aquatech AquaPro Fluid Control 1.5 - 3.5 Bar

## OTHER SPECIALIST PUMPS AVAILABLE ON REQUEST

### Pump Valve



- Various types of pump valves are used in connection with the installation of domestic heating circulating pumps in heating systems. The varieties vary between female and compression types and ball or gate valve types.

Code	Description
PUVA02	3/4" Compression Gate Pump Valve (Per Valve)
PUVA04	1" Compression Gate Pump Valve (Per Valve)
PUVA03	1" Female Gate Pump Valve (Per Valve)
PUVA01	1" BSP Female Standard Pump Valve (Per Valve)

# FULL BORE 2 & 3 PORT MOTORISED / DIVERTER VALVES

## 16 MOTORISED VALVES & FILTER VALVES



FOR USE  
WITH HEATING  
AND DOMESTIC  
WATER

SUITABLE  
FOR USE WITH HEAT PUMPS  
GIVING A FULL FLOW



### Depala Full Bore Ball Valve Female Threads

- Because the motors disengage when powered open or powered closed, they never over heat or burn out.

Code	Description
VADE01	Depala 1" X 2 Port Full Bore ball valve F/F
VADE01A	Depala 3/4" X 2 Port Full Bore Ball Valve Female
VADE03	Depala 1" X 3 Port Full Bore Ball Valve (T Bore)
VADE03A	Depala 1 1/4" X 3 Port Full Bore Ball Valve (T Bore)
VADE03B	Depala 1 1/2" X 3 Port Full Bore Ball Valve (T Bore)
VADE05	Depala 1 1/4" X 2 Port Full Bore Ball Valve Female
VADE21	Depala Fast 1" X 2 Port Full Bore Ball

### Depala 2/3 Port Motor

FULL BORE VALVE



Code	Description
VADE06	Depala 2 Port Motor R6B2 30 Second Aux Switch
VADE04	Depala 3 Port Motor R7B3 60 Second (T Bore)
VADE04A	Depala 3 Port Motor 60 Second (T Bore) N Open M7B3
VADE20	Depala Fast 2/3 Port Motor (12 Second)

## HIGHEST QUALITY AND BEST VALUE MOTORISED VALVE ON THE IRISH MARKET

Available Valve Sizes  
3/4" and 1" Flat faced Male thread.  
3/4" and 1" Imperial Compression.

Available Actuator Type  
Normally Closed, 230V, 50-60Hz, 4 wire.



- The ICMA 2 port Motorised valve is an on/off zone valve for domestic or light commercial use.
- They are 4 wire actuated valves designed for heating and cooling systems.
- The valve opens and closes based on demand from a thermostat or time clock.
- The valve can be installed at any angle and is directional.
- The actuator is a quick release quarter turn head that can be simply installed.

Code	Description
ICM002	ICMA 3/4" X 2 Port Compression Motorised Valve Including Actuator
ICM003	ICMA 1" X 2 Port Compression Motorised Valve Including Actuator
ICM011	ICMA 3/4" X 2 Port FLAT Male Motorised Valve Including Actuator
ICM012	ICMA 1" X 2 Port FLAT Male Motorised Valve Including Actuator
UFTA11	ICMA 230V NC Actuator 28mm With Auxiliary Switching

# BRASS FORM MOTORISED VALVES

## 2 Port Female Full Bore Motorsied Ball Valve

- Chrome Plated Full Bore Ball Valve
- Bi Directional Valve



Code	Description
<b>BFBALL</b>	2 Port 1" Full Bore Ball Valve F/F

## 3 Port T Bore Female Full Bore Motorsied Ball Valve

- Chrome Plated Full Bore Ball Valve
- 3 Port Ball Valve



Code	Description
<b>BFDIV3T</b>	3 Port 1" Full Bore Ball Valve F/F

## Electric Motorised Head

Smart series motorized ball valve  
IP 44 Rated  
Extremely reliable and robust electric motor

- Voltage 230V & 24V AC
- Wires: 5 x 0,75mm (60 cm Length)
- Bronze axis rotation
- Shaft sealing O - ring
- Metal gears



Code	Description
<b>BFMOT1</b>	230V Motor With Auxiliary Switching (Suits <b>BFBALL</b> & <b>BFDIV3T</b> )

# Thermostatic Blending Anti Scald Valves

## Thermostatic Blending Anti Scald Valve



- Hot water thermostatic valve 30°C - 70°C
- Best value 3/4" thermostatic blending anti scald valve on the Irish market

Code	Description
<b>BVDU01</b>	3/4" Thermostatic Blending Valve 30°C - 70°C

## Thermostatic Blending Anti Scald Valve



- Suitable for standard or solar use.
- Best value 1" thermostatic blending Anti Scald valve on the Irish market.

Code	Description
<b>BVDU02</b>	1" Thermostatic Blending Valve 30°C - 70°C

## Thermostatic Blending Anti Scald Valve



- Hot water thermostatic valve 30°C - 70°C ± 4°C
- Best value 1 1/4" thermostatic blending anti scald valve on the Irish market.

Code	Description
<b>BVDU03</b>	1 1/4" Thermostatic Blending Valve 30°C - 70°C

## Thermostatic Master Mixing Valve 300 Series



- Anti-scalding thermostatic mixing valves designed to handle large volumes of water with very accurate mixing. River valves are extremely reliable. The outlet mixed water has a thermostat on it.

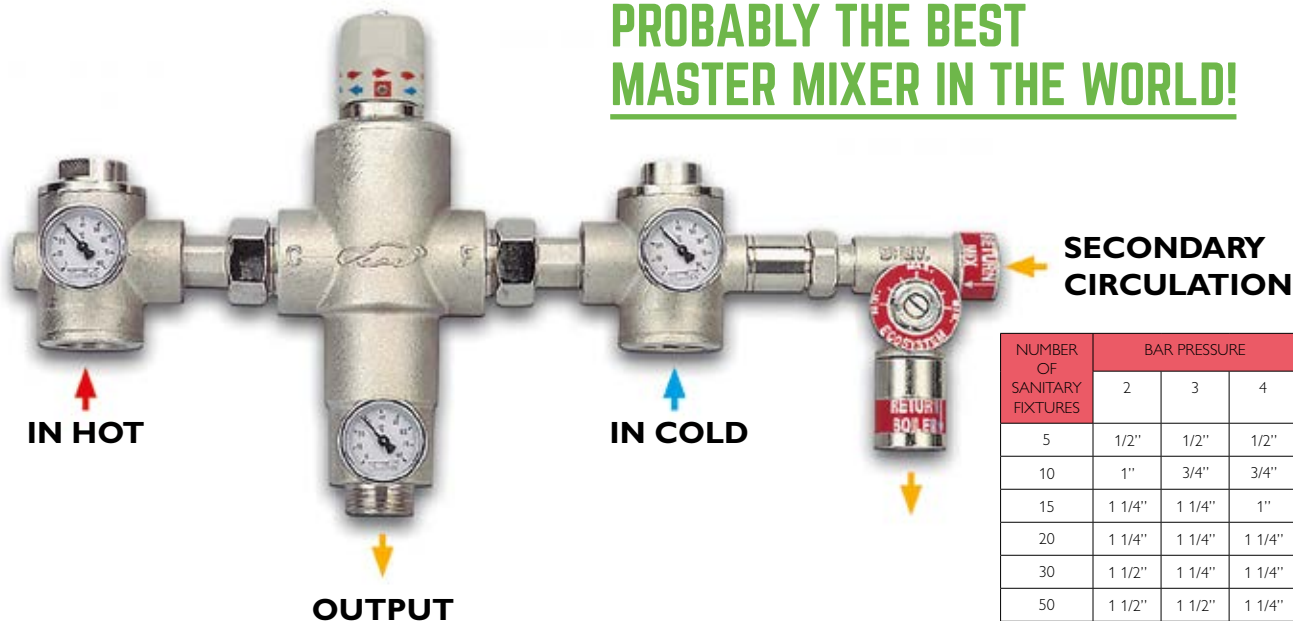
Code	Description
<b>MVRV01</b>	3/4" Master Mixing Valve With Outlet Gauge (302)
<b>MVRV02</b>	1" Master Mixing Valve With Outlet Gauge (303)
<b>MVRV03</b>	1 1/4" Master Mixing Valve With Outlet Gauge (304)
<b>MVRV04</b>	1 1/2" Master Mixing Valve With Outlet Gauge (305)
<b>MVRV05</b>	2" Master Mixing Valve With Outlet Gauge (306)





## Master Mixing Valve 3000 Series

- Thermostatic mixing valve, with secondary recirculation built in. The inlets come with filter strainers, isolation and thermostats. The outlet is complete with a thermostat and the secondary circulation valve which is adjustable.
- For use in commercial applications, such as GAA clubs, hotels, guest houses, etc.
- Precise adjustment, safe and easy: for temperature control of the mixed water.
- Can be fed with any system for production of hot water.
- Non return and isolation valves built in.



NUMBER OF SANITARY FIXTURES	BAR PRESSURE		
	2	3	4
5	1/2"	1/2"	1/2"
10	1"	3/4"	3/4"
15	1 1/4"	1 1/4"	1"
20	1 1/4"	1 1/4"	1 1/4"
30	1 1/2"	1 1/4"	1 1/4"
50	1 1/2"	1 1/2"	1 1/4"
100	2"	1 1/2"	1 1/2"

Code	Description	MAXIMUM FLOW RATE (LTR/MIN) OF VALVES AT DIFFERENT PRESSURES					
		1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
MVRV10	3/4" Master Mixing Valve With Inlet And Outlet Gauge (3002)						
MVRV11	1" Master Mixing Valve With Inlet And Outlet Gauge (3003)						
MVRV12	1 1/4" Master Mixing Valve With Inlet And Outlet Gauge (3004)						
MVRV13	1 1/2" Master Mixing Valve With Inlet And Outlet Gauge (3005)						
MVRV14	2" Master Mixing Valve With Inlet And Outlet Gauge (3006)						

## Replacement Cartridges



- High quality River replacement cartridge.

Code	Description
MVRC01	Replacement 3/4" cartridge
MVRC02	Replacement 1" cartridge
MVRC03	Replacement 1 1/4" cartridge
MVRC04	Replacement 1 1/2" cartridge
MVRC05	Replacement 2" cartridge

## Replacement Thermometer



- River replacement thermometers are suited for River 300 and 3000 series mixing valves.

Code	Description
MVRC07	Replacement Thermometer

# Safety Valves

## 3 Bar Safety Valves



- Manufactured in Italy
- Extremely reliable
- 3 Bar Safety Valves are used for heating system

Code	Description
<b>ICSV01</b>	Safety Valve 3 Bar 1/2" F/F
<b>ICSV02</b>	Safety Valve 3 Bar 1/2" M/F
<b>SVDU05</b>	Duco safety valve 3 bar 3/4" x 1" F/F 128kW

## Duco Safety Valves 6, 7, 8 Bar



- Manufactured in Holland
- Extremely reliable
- 6, 7 and 8 Bar Safety Valves are used for domestic cylinders

Code	Description
<b>SVDU01</b>	Duco Safety Valve 7 Bar 3/4" F/F
<b>SVDU02</b>	Duco Safety Valve 6 Bar 1" F/F
<b>SVDU03</b>	Aquatech Safety Valve 6 Bar 3/4" F/F
<b>SDVU05</b>	Duco 15mm Compression Blending Valve

## 6 Bar Pressure Temperature Safety Valve



- Manufactured in Italy
- Extremely reliable
- Pressure Temperature safety valves are used as a dual purpose protection for hot water cylinders

Code	Description
<b>ICPT02</b>	1/2" Pressure temperature 6 bar safety 98°C

## Safety Valve and Tundish



- Manufactured in France
- Extremely reliable
- 7 Bar Safety Valves with tundish are used for domestic cylinders

Code	Description
<b>MISV05</b>	3/4" x 7 Bar Safety Valve And Tundish

# Miscellaneous Valves

## Brass Spring Non Return Valves



- Spring loaded brass non return valve with a brass seat
- Female BSP connections both sides

Code	Description
<b>ICNR03</b>	1/2" F/F Brass Spring Non Return Valve (NRV)
<b>ICNR02</b>	3/4" F/F Brass Spring Non Return Valve (NRV)
<b>ICNR01</b>	1" F/F Brass Spring Non Return Valve (NRV)

## Aquaflex Compression Lever Valves



- Nickel plated brass compression lever valves

Code	Description
<b>PAFT190</b>	Aquaflex compression 1/2" lever valve
<b>PAFT191</b>	Aquaflex compression 3/4" lever valve
<b>PAFT192</b>	Aquaflex compression 1" lever valve

## Aquaflex Lever Ball Valve



Code	Description
<b>PAFT180</b>	Aquaflex 1/2" x 1/2" Lever valve F/F
<b>PAFT181</b>	Aquaflex 3/4" x 3/4" Lever valve F/F
<b>PAFT182</b>	Aquaflex 1" x 1" Lever valve F/F

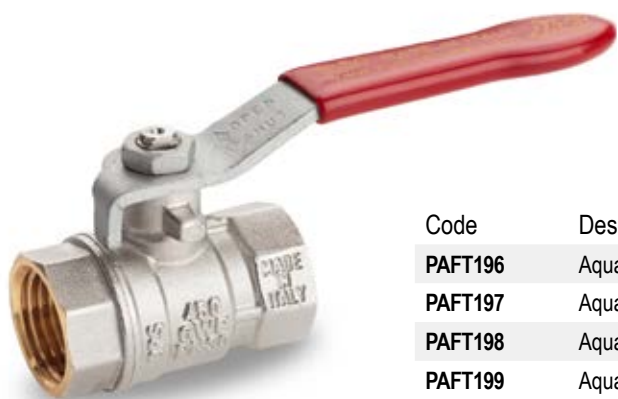
## Aquaflex Full Bore Butterfly Valve



- Full Bore Female Ball Valve

Code	Description
<b>PAFT193</b>	Aquaflex 1/2" F/F Butterfly valve (Full Bore)
<b>PAFT194</b>	Aquaflex 3/4" F/F Butterfly valve (Full Bore)
<b>PAFT195</b>	Aquaflex 1" F/F Butterfly valve (Full Bore)

## Aquatech Full Bore Lever Valve - Lifetime Guarantee - Double "O" Ring Seals



### PREMIUM VALVES

Code	Description
<b>PAFT196</b>	Aquatech 1/2" x 1/2" F/F Lever valve (Lifetime Guarantee)
<b>PAFT197</b>	Aquatech 3/4" x 3/4" F/F Lever valve (Lifetime Guarantee)
<b>PAFT198</b>	Aquatech 1" x 1" F/F Lever valve (Lifetime Guarantee)
<b>PAFT199</b>	Aquatech 1 1/4" x 1 1/4" F/F Lever valve (Lifetime Guarantee)
<b>PAFT200</b>	Aquatech 1 1/2" x 1 1/2" F/F Lever valve (Lifetime Guarantee)
<b>PAFT201</b>	Aquatech 2" x 2" F/F Lever valve (Lifetime Guarantee)

## Aquatech Magnetic Filter Ball Valve



- Ball valve for heating systems
- Easy cleaning, no tools needed
- Replaceable stainless-steel strainer with 0.6 mm mesh size
- Bar magnet, 12 000 Gs induction
- Female threads is G 1"



Code	Description
<b>HPPO11</b>	1" Magnetic Filter Ball Valve With On/Off Isolation

## ICMA Automatic Filling Valve With Pressure Gauge



- ICMA automatic filling valves are extremely accurate and do not allow pressure creep into the heating system. Manufactured in Italy to exacting standards.
- Extremely reliable

Code	Description
<b>ICTH07</b>	ICMA 1/2" automatic filling valve with pressure gauge

## Pressure Reducing Valves



- Valves do not include a pressure gauge. The valves are preset to a pressure of 3 bar. They may be adjusted up to a maximum of 10 Bar.

Code	Description
<b>ICPRV1</b>	1/2" Pressure Reducing Valve F/F (Preset 3 Bar - Pressure Gauge Optional)
<b>ICPRV2</b>	3/4" Pressure Reducing Valve F/F (Preset 3 Bar - Pressure Gauge Optional)
<b>ICPRV3</b>	1" Pressure Reducing Valve F/F (Preset 3 Bar - Pressure Gauge Optional)
<b>ICTH03</b>	Back entry pressure gauge 1/4" tapping (0-10 bar)

# BRASS FORM VALVES

## Hydro-Cyclonic Magnetic Filter



Magnetic Brass Filter - hydro-cyclonic magnetic filter is the ideal solution for gas, oil and heat pump installations. Manual Air vent, Visual Filter window allows for rapid diagnosis of a fouled system



- Magnet: 3 parts magnets array - 10.500+ Gauss
- Compatible Fluid: Water & Glycol
- Filter Cartridge: 400 µm
- Chamber dimension: 380 ml



Code	Description
<b>BFF001</b>	1" F/F Magentic Filter
<b>BFF002</b>	1 1/4" F/F Magentic Filter

## Pressure Reducing Valve



- Adjustable pressure from 0.5 to 6.5 bar
- Valve Operating tolerance  $\pm 0.2$  bar
- Stainless steel filter strainer, mesh size 0.2 mm
- Visual Filter Check
- Two pressure gauge connection points for measuring downstream and upstream pressure
- Operating Temperature Range from  $+5^{\circ}\text{C}$  to  $+80^{\circ}\text{C}$
- Thread Connection Options 1/2" F or 3/4" M



Code	Description
<b>BFPRVC</b>	Pressure Reducing Valve Comes With 2 gauges 1/2" F or 3/4" M

## Automatic Filling Valve



- Preset pressure 1.5 Bar
- Adjustment range from 0.5 to 5.5 bar
- Maximum Inlet Pressure: 16 bar
- Capable of filling the system on maximum flow
- Operational Sensitivity  $\pm 0.15$  bar
- Temperature Range  $5^{\circ}\text{C}$  to  $80^{\circ}\text{C}$
- Stainless steel mesh filtering 0.3 mm
- Anti corrosion ring - Prevents Sludge Deposits



Code	Description
<b>BFAUTO2</b>	Automatic Filling Valve 1/2" with pressure gauge

## Automatic Bypass Valve



- Pressure differential bypass valves are used to relieve pressure build ups in a heating circuit due to motorised valves closing and thus reducing the flow rate. The lack of flow can create issues for heat pump and gas boilers. The bypass valve removes this problem by opening to maintain a constant flow as motorised valves close. It can also prevent pump noise.
- The valve must be manually set to a desired opening pressure.

Code	Description
<b>DBV001</b>	3/4" Automatic Differential Bypass Valve

## Automatic Air Vent



- Automatic air vents do exactly what they say. When the cap on top is partially opened they automatically remove air from heating systems. They can be closed off by tightening the cap.

Code	Description
<b>ICAV01</b>	1/8" Automatic air vent
<b>ICAV03</b>	3/8" Automatic bottle air vent
<b>ICAV02</b>	1/2" Automatic bottle air vent

## Thermostatic Preset 3 Port Mixing Valves



- These mixing valves are used for preventing condensation occurring in steel boilers i.e. wood or pellet boilers for example. They maintain a constant return temperature to the boiler only allowing the release of heat to a buffer cylinder or heating system when the boiler has reached the desired preset valve temperature.
- The valves can also be used for reducing heat from a buffer cylinder to a heating system using the return water from the heating system with the hot flow from the buffer cylinder to send a pre mixed reduced temperature to the heating system.

Code	Description
<b>REMX00</b>	3/4" Preset 65°C Anti Condensation Loading Valve
<b>REMX01</b>	1" Preset 65°C Anti Condensation Loading Valve
<b>REMX05</b>	2" Preset 45°C Anti Condensation Loading Valve
<b>REMX10</b>	Thermostatic element for TSV3B and 5B valves 45°C

## Aquatech Reducing Brass Nipple M/M Thread



Code	Description
<b>EUR080</b>	Aquatech Reducing Nipple M/M 3/4" x 1/2" Flat Faced
<b>EUR081</b>	Aquatech Reducing Nipple M/M 3/4" x 1" Flat Faced
<b>EUR082</b>	Aquatech Reducing Nipple M/M 1" x 1 1/4" Flat Faced

## Aquatech Reducing Bush Brass M/F Thread



Code	Description
<b>EUR083</b>	Aquatech Reducing Bush F/M 1/2" x 3/4" Flat Faced
<b>EUR084</b>	Aquatech Reducing Bush F/M 3/4" x 1" Flat Faced
<b>EUR085</b>	Aquatech Reducing Bush F/M 1" x 1 1/4" Flat Faced

## Aquatech Flat faced 1" Bush



Code	Description
<b>SOAU042</b>	Aquatech Bush 1" F x 3/4" M Flat Faced
<b>EUR056</b>	Aquatech Bush 3/4" F x 1/2" M Flat Faced

## Aquatech Straight Nipple 310



Code	Description
<b>EURO43</b>	Aquatech 1/2" straight nipple 310 Flat Faced
<b>EURO44</b>	Aquatech 3/4" straight nipple 310 Flat Faced
<b>EURO45</b>	Aquatech 1" straight nipple 310 Flat Faced

## Aquatech Reducing Brass Nipple M/F Thread



Code	Description
<b>EUR072</b>	Aquatech 1/2" Bush M/F Flat Faced
<b>EUR073</b>	Aquatech 3/4" Bush M/F Flat Faced
<b>EUR074</b>	Aquatech 1" Bush M/F Flat Faced
<b>EUR075</b>	Aquatech 1 1/4" Bush M/F Flat Faced

## Aquatech Ni-Plated Brass Nipple M/M Thread



Code	Description
<b>EUR076</b>	Wita Adjustable Mixing Motor 20°C - 80°C Flat Faced
<b>EUR077</b>	Wita Adjustable Mixing Motor 20°C - 80°C Flat Faced
<b>EUR078</b>	Wita Adjustable Mixing Motor 20°C - 80°C Flat Faced
<b>EUR079</b>	Wita Adjustable Mixing Motor 20°C - 80°C Flat Faced

## Aquatech Ni-Plated Brass Nut



Code	Description
<b>EURO40</b>	Aquatech 1/2" Nut
<b>EURO42</b>	Aquatech 3/4" Nut
<b>EURO43</b>	Aquatech 1" Nut
<b>EURO67</b>	Aquatech 1 1/4" Nut

## Aquatech Gaskets

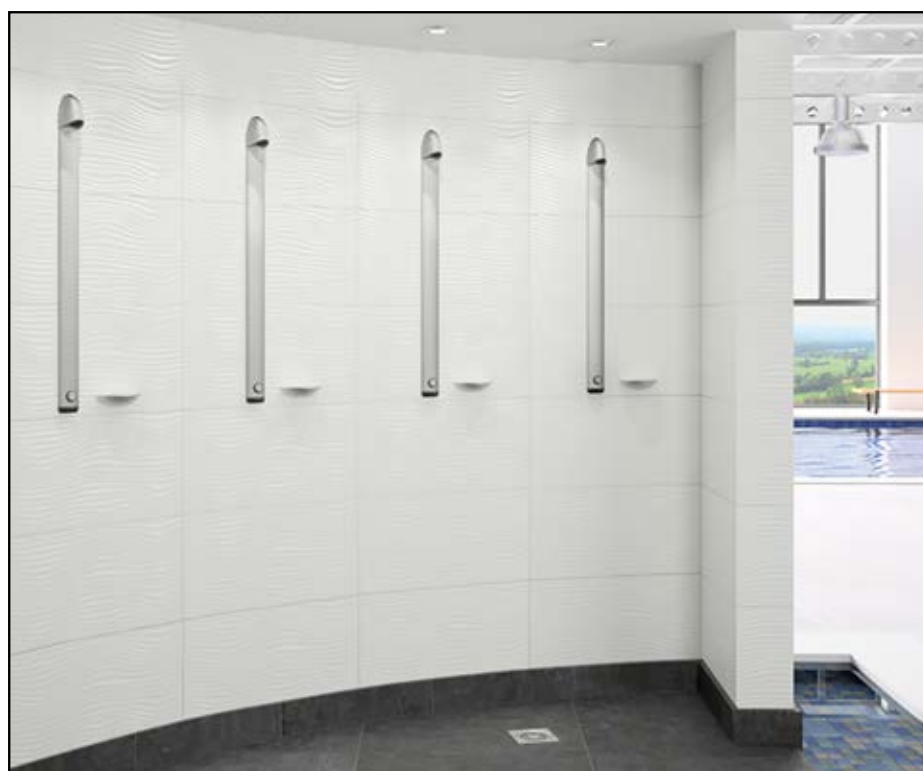


Code	Description
<b>EUR088</b>	Aquatech 1/2" Gasket
<b>EUR089</b>	Aquatech 3/4" Gasket
<b>EUR090</b>	Aquatech 1" Gasket
<b>EUR091</b>	Aquatech 1 1/4" Gasket

# 17 SHOWERS & ACCESSORIES



MIXING VALVES, ANTI VANDAL SHOWERS, WET ROOM WASTES AND MOUNTING BRACKETS, FOR DOMESTIC AND COMMERCIAL USE SUCH AS SHOWERING AREAS IN GYMS, HOTELS AND SPORTS CLUBS.



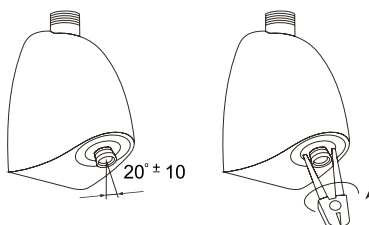


## Anti Vandal Showers Surface Mounted Top Inlet



### ADVANTAGES

- Water savings up to 80%
- Soft touch operation



Swivel spout

Nozzle can be locked by the installer



**THIS IS OUR LARGEST SELLING  
COMMERCIAL ANTI VANDAL SHOWER**

Code	Description
DE714700	Exposed vandal proof shower panel 8 litres/min 30 sec

## Concealed Anti Vandal Shower Head



- River concealed anti vandal shower head is an ideal solution for any public showering area that requires the use of quality tamper proof products.
- Italian manufactured.
- Adjustable directional flow
- 10 year manufacturer guarantee
- A push button valve is required for it to work
- (See TFR153 below)



Code	Description
TFR152	R 792 Concealed Anti Vandal Shower Head

## Concealed Anti Vandal Push Button Valve Non Concussive



- River concealed anti vandal push button valve is an ideal solution for any public showering area that requires the use of quality tamper proof products.
- Italian made
- 7 litre per minute preset flow rate
- 30 second shut off time
- Cartridges easily serviced from the valve
- Sand particle filter needs to be pre installed before valve



Code	Description
TFR153	R 7500 Concealed Anti Vandal Push Button Valve

# SOLID FUEL STOVES AND BOILERS

## 18 PELLET STOVES & SOLID FUEL STOVE EXCHANGER



### Laddomat Thermostatically Controlled Pump Unit

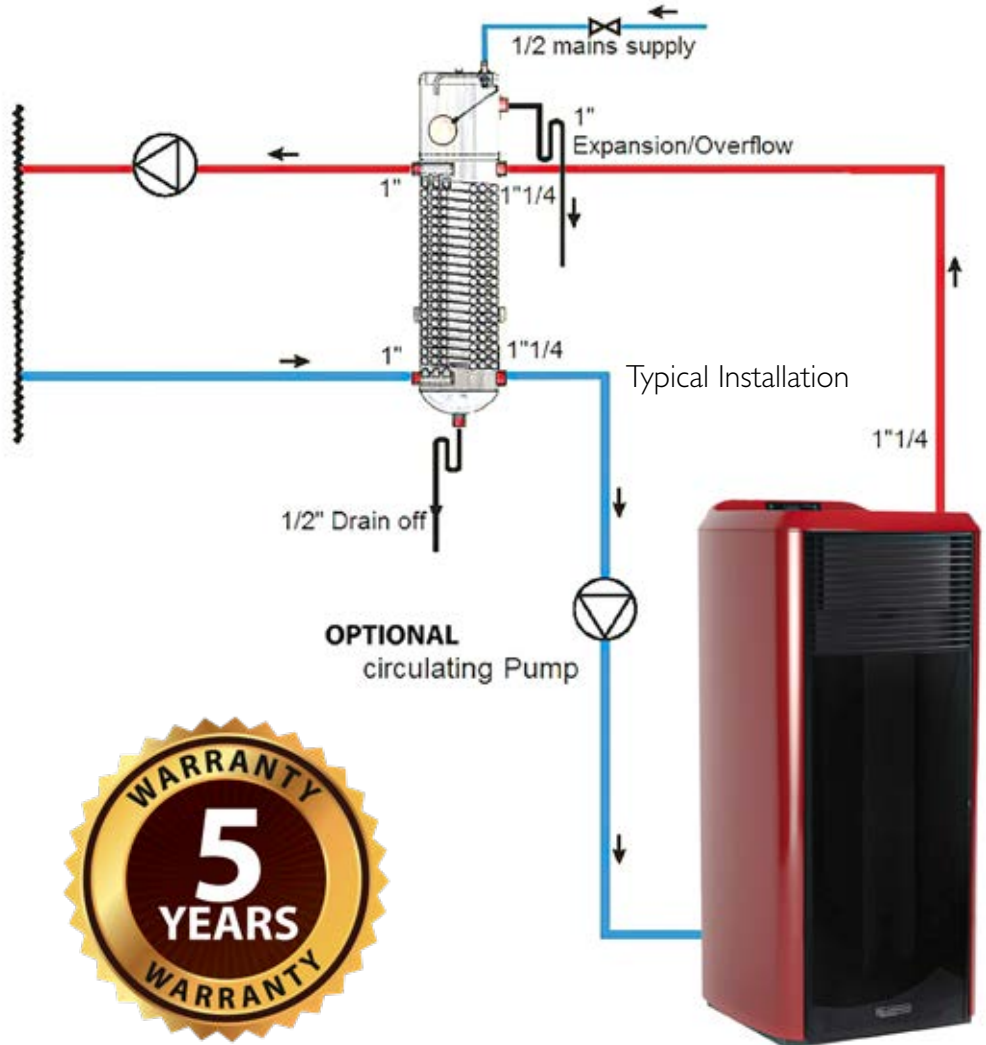
- To allow the boiler to reach a high working temperature quickly after firing up.
- By recirculating the boiler water until it reaches a set temperature to prevent the boiler from condensing and reducing the boiler shell lifespan.
- Charges a buffer cylinder with water at a high and even temperature which ensures optimal layering.
- Transfers the remaining residual heat in the boiler to the buffer cylinder after the fire has gone out.
- In the event of an electrical power failure causing pump stoppage, the hot boiler water will transfer from the boiler to the buffer through the laddomat by means of natural heat transfer without the pump running.
- A choice of preset bulb temperatures can be chosen prior to purchasing the Laddomat.



Code	Description
AMGB09	Laddomat 21-60 Thermostatically Controlled 1" pump unit 63°C (Max 60KW boiler)
AMGB09A	Laddomat 21-100 Thermostatically Controlled 1 1/4" pump unit 63°C (Max 100KW boiler)

**MANUFACTURED IN IRELAND EXCLUSIVELY FOR AQUATECH**

**CONNECTS  
OPEN AND  
SEALED  
SYSTEMS**



- Two hydraulic systems in one unit. A heat exchanger and a buffer with an open expansion and aeration tank.
- Connects open vented and sealed systems.
- Cross-flow exchange of the energy between stove (open system) and central heating (sealed system).
- 37 litre buffer.
- Height 1174 mm Width 319 mm.
- No requirement for safety or cooling valves.
- Easy mounting brackets allow for left or right hand connection to stove.
- Built in safety in the event of power failure and mains or well water failure.
- If installing as a gravity system only without a pump between the stove exchanger and stove then the return pipe on the stove must be at least 500mm below the exchanger and flow pipe 500mm below the flow pipe on the exchanger and piped in at least 1" copper.

**THIS UNIT IS THE SAFEST AND MOST ECONOMICAL WAY TO LINK A SOLID FUEL STOVE TO A SEALED HEATING SYSTEM**

Code	Description	Dimension
SOPL31	Multilink Stove Exchanger 40KW (Max boiler input 40KW)	W 319 x H 1174 mm

## Over Heat Safety Valve for Wood Gasification Boiler

- This valve is used in conjunction with sealed solid fuel heating systems.
- If a solid fuel boiler has a built in cooling coil, then this valve can be used to cool the boiler shell in the event of a power failure. If the pump is powered off and the boiler is fully loaded and is starting to reach 95°C, then the valve will open and mains water will continuously run through the cooling coil until the temperature reduces below 95°C.
- The valve is mechanical and automatically opens and closes based on temperature.
- A mains water supply should only be used in conjunction with this valve.
- Using a well water supply to this valve is dangerous. If there is a power cut and the boiler is overheating and if the safety valve has opened there will be no water moving through the valve.



Code	Description
AMGB10	95°C Over heat safety valve for Wood Gasification boiler

## Laddomat Flue Thermostat

- Used to start and stop a charging pump on a solid fuel boiler.
- The flue thermostat starts the pump as soon as the temperature of the flue stack reaches a predetermined temperature.
- Used in wood fired boilers with preset mixing valves. It prevents cold return heating water cooling the bottom of the boiler when firing starts. It enables the boiler to reach operating temperature quicker.
- When the fire goes out, the pump stops as soon as the flue cools below the set temperature.
- Probe length 155 mm. Probe diameter 4mm.
- Single thermostat 50–500°C.



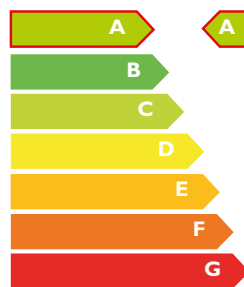
Code	Description
AMGB11	Laddomat Flue Thermostat 50-500°C

# LAMINOX PELLETT STOVES

Jessica Black Line



Compact and power pellet thermo-stove, the most economical produced by Laminox with a modern and essential design. The frontal part is dominated by the tinted glass vertical bend, offering a visual continuity with the air diffusion fins. Very high efficiency.



"A" Rated



on electronics

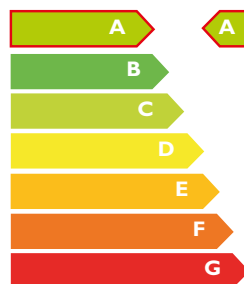


on boiler

Carlotta



Pellet heating stove with CCS Omnia patented burner, capable of burning any type of pellet. It is produced in both hydro and hydro-ventilated versions with steel cladding.



"A" Rated



on electronics



on boiler

For all stoves visit  
**[aquatechstoves.ie](http://aquatechstoves.ie)**  
or scan QR code



# FOR PROFESSIONAL PLUMBERS

# 19 POWER FLUSHING

## Aquatech Hyper Flush 36



- Suitable for cleaning sludged and corroded heating and solar systems
- Bi Directional flow valve, complete with applicable flexible hoses
- Works with acidic and non acidic cleaning products
- Used for power flushing and filling solar systems with glycol
- Used for power flushing heating and cooling systems



Cert. cata UNI  
EN ISO  
9001:2015



Scan to see video  
Hyper Flush 36 in action



Code	Description
ACLS60	Hyperflush 36 Power Flushing Pump With Hoses

## Aquaflush Supa Pump Adaptor



- This is used in conjunction with power flushing pumps to connect them directly onto the body of standard heating circulating pump. The adaptor is supplied with various lengths and types of bolts to suit all types of pump bodies.
- Application: The pump valves need to be turned off. The pump motor must be disconnected from the pump body first. The adaptor is then installed in place of the pump motor. The adaptor is manufactured to allow for proper flow and return through the pump body. Depending on the body depth the flow and return pipes can be adjusted to suit. After connecting the power flush flow and return pipework, open the pump valves and commence cleaning or flushing.

Code	Description
DES021	Aquaflush Pump Adaptor

# 20 HEATING CHEMICALS

**Most warranties are voided if an inhibitor is not used in a heating system**

Chemical treatment of all heating and cooling systems is absolutely essential. All new heating and cooling systems should be correctly dosed with either antifreeze or corrosion inhibitor. Electrolytic corrosion between metals causes iron oxides and sludging in your system which coats pipes and radiators, blocks heat exchangers and pumps.

Prevention is always better than cure. So ask us about the correct chemicals required to prevent or fix your heating system. Heating systems can be chemically cleaned which dramatically reduces heating costs, improves heat output and enhances the lifespan of the installed components.

## Manta BP 100 Inhibitor



Neutral PH corrosion inhibitor. It protects metal surfaces from corrosion. Prevents the build up of gas in the heating system. Prevents fouling and corrosion. Also ideal for aluminium radiators in combination with steel radiators.

- PH Neutral
- Suits all metals, including aluminium
- Prevents the build up of hydrogen gas
- Suitable for new and old heating systems

250 ml



Code	Description
MAIN01	Manta BP 100 (250 ml) Corrosion Inhibitor

## Manta BP 200 Solar Cleaner



Specific concentrated liquid for removing sludge and glycol residues inside solar systems. Product can also be used for cleaning batteries, filters and air conditioning and refrigeration equipment.

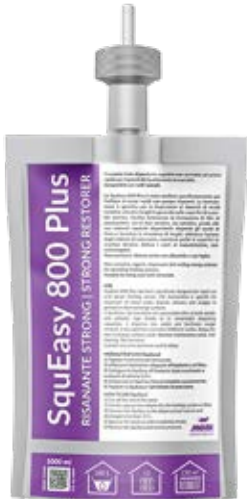
- Reduces processing time with full hydraulic control system
- Restores optimal heat transfer
- Reduces energy consumption
- Saves on utility bills
- Non-toxic product
- Biodegradable
- Highly effective
- Non-corrosive

10 litres concentrated



Code	Description
MASC01	Manta BP 200 Solar Cleaner 10 Litre

## Manta BP 800 System Cleaner



Concentrated strong liquid cleaner, fast acting non corrosive organic dispersant suitable for heating systems. Compatible with all metals.

- BP 800 can be put into a radiator, heated towel rail or dirt separator thanks to the 3/4" thread connection on the top of the sachet. Suits all metals, including aluminium
- Alternatively it can be put into the heating system via the power flushing tank
- Ready to use and does not need to be diluted
- Patented universal 3/4" cap adapter
- Cleans the heating system with or without the use of a power flushing pump

1000 ml



Code	Description
MAIN02	Manta BP 800 (1 Litre) Heating System Cleaner



**ALL REPA LEAK SEALERS WORK ON STEAM INSTALLATIONS AND SOLAR INSTALLATIONS UP TO 1200°C**



What you see above and to your right is caused by iron oxide sludging due to the lack of corrosion inhibitor for dosing in the heating system.

## Repa Clean Descaler (1 Litre)



- Heating System Cleaner
- Pressure resistant: 7 bar
- Dilution 1:200
- Temperature Resistant: 50°C



Code	Description
ACLS07	Repa Clean Descaler (1 Litre)



## Repa R 200 Leak Sealer (1 Litre)



- Heating leak sealer - Medium to High water loss
- Water Loss: seals water loss up to 200 litres per day
- Pressure resistant: 7 bar
- Dilution 1:200
- Temperature Resistant: 1200°C



Code	Description
<b>ACLS01</b>	Repa R 200 Leak Sealer (1 litre)

## Repa Boiler Sealer (1 Litre)



- Boiler leak sealer - Medium to High water loss
- Water Loss: seals water loss up to 800 litres per day
- Pressure resistant: 7 bar
- Dilution 1:200
- Temperature Resistant: 1200°C



Code	Description
<b>ACLS02</b>	Repa Boiler Sealer (1 litre)

## Repa Injection Pump



- The REPA chemical injection pump is designed to dose heating systems whilst they remain under pressure.
- Suited for direct connection to the top of Repa bottles
- 1/2" connection
- Manually operated hand pump

Code	Description
<b>ACLS03</b>	Repa Injection Pump

## Facot Silicon



Ready-to-use universal putty paste, suitable for assembling of hydraulic, sanitary and industrial equipment and fixtures. This antiscuff and antioxidant putty keeps unchanged and soft both at low and medium temperatures, preventing gaskets from drying. It guarantees a perfect seal on fittings and threaded or flanged couplings, etc. Suitable for hot and cold water supply pipes, as well as air piping and methane, gas or food liquid mains.

Code	Description
<b>FAC002</b>	Silicon 460 G Putty Paste Suitable For Gas, Water, Heating

## Facot Ecogryp



Antiscuff and antioxidant putty for threads and hydraulic fittings. It guarantees a perfect seal on threaded or flanged couplings, etc. Suitable for hot water, town gas, compressed air, etc.

Code	Description
<b>FAC001</b>	Ecogryp 400 G Putty Paste Suitable For Gas, Water, Heating

## Facot PTFE Tape



High Density PTFE tape with a constant thickness of 0.076 mm. It is resistant to hydrocarbons and most aggressive chemical products.

Code	Description
FAC007	Ptfe Tape 12 Mm X 12 Meter Roll
FAC008	Ptfe Gas Tape 12 Mm X 12 Meter Roll
FAC006	Ptfe Twine Seal 175 Meter 100% 24°C

FAC006



## Facot Kolgas-Uni



Specific for gas, methane, steam, water and food liquid seals. Solvent-free product, free of toxicity by inhalation and contact. Product compliant with the Technical Standard UNI EN 751/2 Class A-ARp TUV Proficert Product certified product.



Code	Description
FAC003	Kolgas Uni 250 G Putty Paste Tube

## Facot Silicon Tape



Thermally stable synthetic fiber tape impregnated with a special non-hardening mastic. The function of the tape is to seal threaded fittings for any hydraulic diameter and material, can be used with gas and drinking and heating water. It does not change the smell or the taste and purity of water. It's a dynamic sealant because it adapts to all threads and all materials. Suitable for parallel and tapered threads. SST is clean and leaves no traces on the hands, it's easy and fast application. Allows repositioning of fittings and removing after many years. It with stands the typical vibrations of the joints close to the pumps.

Code	Description
FAC005	Silicon Tape 14 Mm X 15 Meters 160°C

## Hemp Bag



First quality mechanical flax twine for hydraulic fittings. Available in practical and cheap packages suitable for domestic and commercial installations.

Code	Description
FAC004	Hemp Bag 250 G

# 21 PRESSURE VESSELS

Heating expansion vessels are used with sealed pressurised heating systems. Domestic heating expansion vessels are pre factory tested and pressurised to 1.5 Bar. They are manufactured from steel and are not suitable for potable water. They are not solar temperature rated. They are available in a variety of types from wall mounted to floor standing depending on the size.

Max Temperature: 110°C

Pre Pressure: 1.5 Bar

## Heating Expansion Vessels

Code	Description
EXPH01	12 Ltr heating expansion vessel 1.5 bar pre charge
EXPH02	18 Ltr heating expansion vessel 1.5 bar pre charge
EXPH03	25 Ltr heating expansion vessel 1.5 bar pre charge
EXPH04	35 Ltr heating expansion vessel 1.5 bar pre charge
EXPH05	50 Ltr heating expansion vessel 1.5 bar pre charge Floor Standing
EXPH06	80 Ltr heating expansion vessel 1.5 bar pre charge Floor Standing
EXPH07	100 Ltr heating expansion vessel 1.5 bar pre charge Floor Standing
EXPH08	140 Ltr heating expansion vessel 1.5 bar pre charge Floor Standing (Special Order)
EXPH09	200 Ltr heating expansion vessel 1.5 bar pre charge Floor Standing (Special Order)
EXPH10	250 Ltr heating expansion vessel 1.5 bar pre charge Floor Standing (Special Order)
EXPH20	1000 Ltr heating expansion vessel 1.5 bar pre charge Floor Standing (Special Order)



## Potable Expansion Vessel

- For use with potable domestic water in pressurised systems
- These vessels are supplied with a pre charge pressure of 3 bar
- Only this type of vessel should be used with domestic water

Code	Description
EXPV59	11 Ltr Expansion vessel for Potable Water 304 L (3 bar pre charge)
EXPV60	18 Ltr Expansion vessel for Potable Water 304 L (3 bar pre charge)
EXPV61	24 Ltr Expansion vessel for Potable Water 304 L (3 bar pre charge)
EXPV62	35 Ltr Expansion vessel for Potable Water floor stand 304 L (3 bar pre charge)
EXPV63	50 Ltr Expansion vessel for Potable Water floor stand 304 L (3 bar pre charge)
EXPV64	80 Ltr Expansion vessel for Potable Water floor stand 304 L (3 bar pre charge)
EXPV65	100 Ltr Expansion vessel for Potable Water floor stand 304 L (3 bar pre charge)



## Solar Expansion Vessels

- Solar expansion vessels are steel vessels with an internal bladder designed to withstand temperatures up to 130°C
- Max Temp: 130°C
- Pre Charged Pressure: 3 Bar



Code	Description
EXPV18	Solar expansion Vessel 18 Ltr (3/4" Connection)
EXPV19	Solar expansion Vessel 25 Ltr (3/4" Connection)
EXPV35	Solar expansion Vessel 35 Ltr (3/4" Connection)
EXPV50	Solar expansion Vessel 50 Ltr (3/4" Connection) Floor Standing
EXPV51	Solar expansion Vessel 100 Ltr (1" Connection) Floor Standing

## Solar Cooling Vessels

- Aquatech solar and heating cooling vessels are designed to be positioned in-line between the solar/heating system and the main expansion vessel
- Where systems are extremely hot and there may be heat creep that can potentially rupture a vessel bladder; then this cooling vessel is a must
- The vessel is steel and does not contain a bladder
- It simply acts as a heat dump and protects the main vessel from over heating
- Designed to protect solar and heating expansion vessels from heat during solar heating system stagnation and should be installed in line with the main expansion vessel



Code	Description
EXPV52	Solar Cooling Vessel 8 Ltr (3/4" Connection)
EXPV53	Solar Cooling Vessel 12 Ltr (3/4" Connection)
EXPV54	Solar Cooling Vessel 18 Ltr (3/4" Connection)

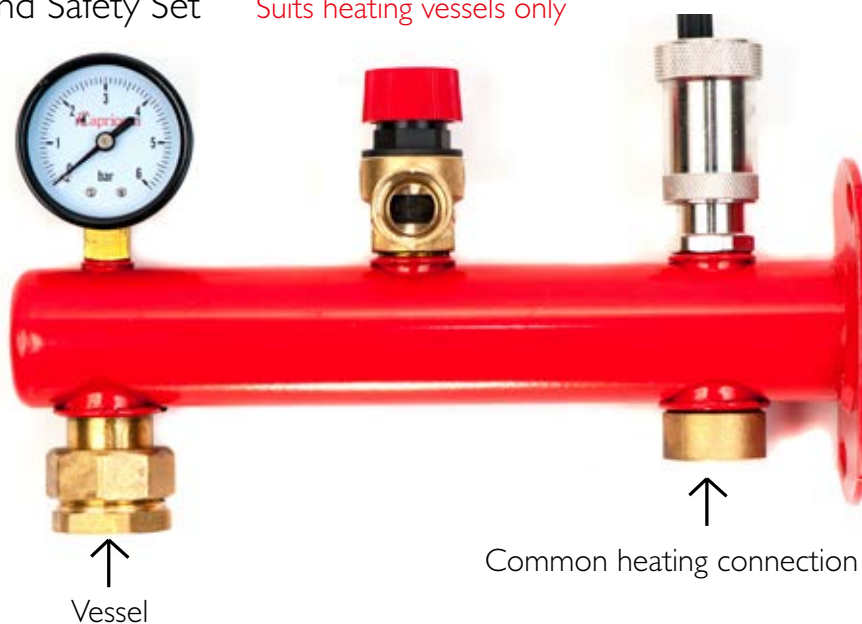
## Expansion Vessel Mounting Bar and Safety Set

Suits heating vessels only

- This mounting vessel bracket is designed to hold a vessel no larger than 25 litres. The vessel is connected to the mounting bracket and the heating return is connected to the other connection. This bracket also has a built in 3 bar safety valve, automatic air vent and pressure gauge.

Consists of:

- Mounting Bar with NRV
- 3 bar safety valve
- Automatic air vent
- Pressure gauge



Code	Description
SCOP02	Expansion Vessel Mounting Bar 3/4" - Complete with Auto Air Vent, 3 Bar Safety Valve and pressure gauge

## Expansion Vessel Mounting Bar Suits heating vessels only

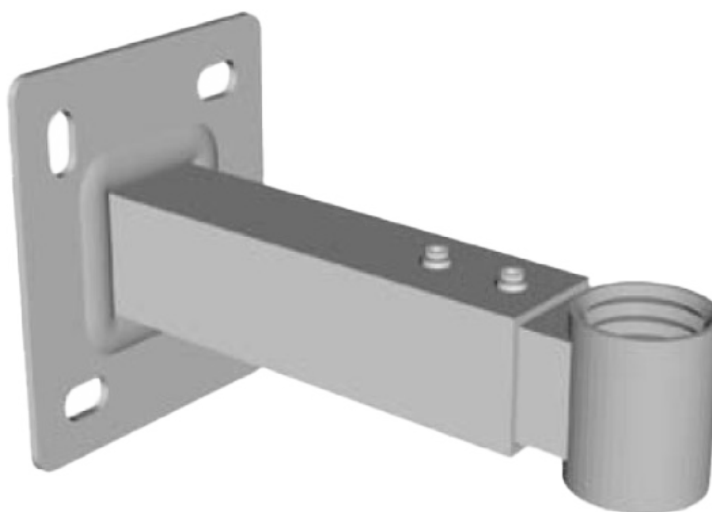
- This mounting vessel bracket is designed to hold a vessel no larger than 25 litres. The vessel is connected to the mounting bracket and the heating return is connected to the other connection.
- Expansion vessels are generally not correctly mounted in heating installations. This simplifies installation and keeps the installation neat and tidy.



Code	Description
<b>SOCP01</b>	Expansion Vessel Mounting Bar with 3/4" connection

## Extendable S/S Expansion Vessel Bracket 3/4" Potable Vessel Suits all types of vessels

- This mounting vessel bracket is designed to hold a vessel no larger than 25 litres
- Has extendable arm
- This mounting bracket is suitable for potable and solar expansion vessels



Code	Description
<b>SCOP01A</b>	Extendable S/S Expansion Vessel Bracket 3/4" Potable Vessel

## Heating & Potable Vessel Strap Bracket Suits all types of vessels



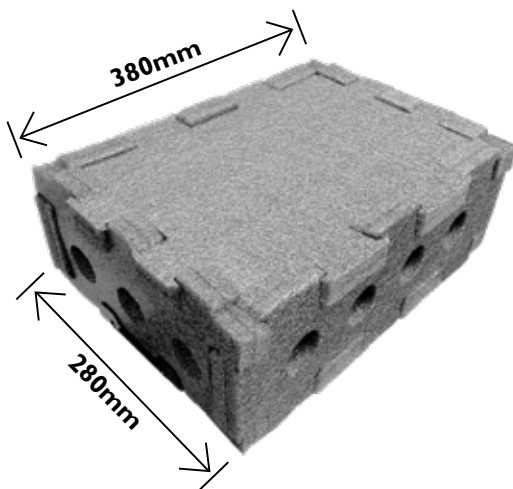
Code	Description
<b>SCOP01B</b>	Heating & Potable Vessel Strap Bracket 380 MM Diameter Max

# 22 MULTILINK MANIFOLD & MULTILINK WIRING CENTRE

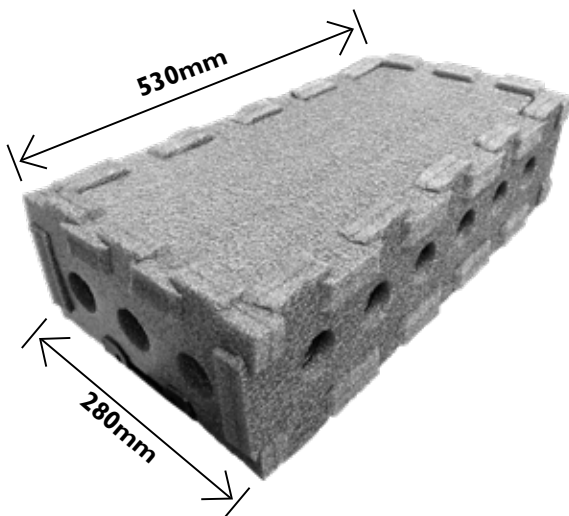
MANUFACTURED BY AQUATECH



**Ports:** 4 Ports Out 3 Ports In  
**Dimensions:** 380mm x 280mm



**Ports:** 6 Ports Out 3 Ports In  
**Dimensions:** 530mm x 280mm



- The multilink manifold is designed to simplify zoning within a heating system
- The multilink manifold is insulated to prevent heat loss
- There is a temperature probe option for installing a weather compensator heating control
- The multilink manifold also vents excess air and holds the heating safety valve
- Up to 3 Heating Inputs
- Up to 6 Heating Outputs
- Simple controlled zoning
- Automatic air vent and safety valve outlets
- Rapid installation
- Max: 10 Bar Operating pressure
- Max Temperature: 95°C

THE MULTILINK IS YOUR HEATING SYSTEMS DESIGN ALL CONTAINED IN ONE SIMPLE MANIFOLD. JUST ADD PIPEWORK AND THE REQUIRED COMPONENTS AND YOUR HEATING SYSTEM IS COMPLETE.

Code	Description
COMI30	Multilink 3 - 4 Unit (6 Side & 2 Bottom Zones)
COMI31	Multilink 3 - 5 Unit (6 Side & 3 Bottom Zones)

## Multilink Manifold Zone Pack (Pumps & Accessories)

Great value with huge savings.

MANUFACTURED BY AQUATECH



• Pressure Vessel - not included (EXPH01)

• Filling valve not included (ICTH07)

### Pack Contains

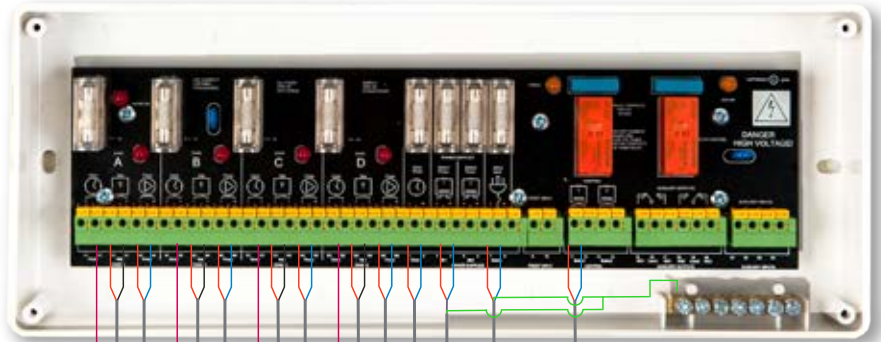
- Aquapro Pumps
- Pump Valves
- Non Return Valves (Brass Seat)
- 1/2" Female Lever Valves
- 1" Female Lever Valves
- 1/2" Male Automatic Air Vent
- 1/2" M/F 3 BAR Safety Valve
- Insulated Multilink
- **10 year warranty** on multilink box
- **2 year warranty** on Aquapro Pumps

Code	Description
SPOF200	Multilink 2 Zone Pack (Pumps & Accessories)
SPOF201	Multilink 3 Zone Pack (Pumps & Accessories)
SPOF202	Multilink 4 Zone Pack (Pumps & Accessories)

## Multilink Wiring Centre

- The Multilink Wiring Centre is a unit designed to link multiple heating and hot water zones simply
- The controller has the ability to switch on up to 2 boilers and also can automatically prioritise a stove over any other heat source
- There are 4 heating zones included
- Simple identifiable markings
- Each zone is independently pre fused
- Push in Connector blocks
- The Multilink Wiring Centre can handle heat pumps, oil, gas and solid fuel systems
- Each zone has an LED indicating what the system is doing at all times
- The Multilink Wiring Centre works with all makes of thermostats and time clocks
- The unit has 2 auxiliary control switches available
- Prevents boiler cycling
- Simplifies wiring heating systems for electricians
- Compliant with current building regulations
- Ability to OEM brand units in set quantities
- Can automatically prioritise solid fuel heating over gas, oil or a heat pump
- 4 time and temperature control zones
- 4 motorised valves
- 4 circulating pumps
- Can control 2 heat sources
- 2 auxiliary relays
- Volt free or 230V boiler switching
- Frost stat output

**MANUFACTURED BY AQUATECH**



3 Channel Timeclock



Heat Source



Isolation Switch



Thermostat Zone A



Heating Zone A

Thermostat Zone B



Heating Zone C

Thermostat Zone C



Cylinder Thermostat



Hot Water Timeclock



Pump to Cylinder



Code	Description
SC0001	Multilink Wiring Centre



Why use a **Multilink Wiring Centre** in conjunction with a **Multilink Manifold Zone Box**?



The **Multilink** Wiring Centre eliminates the tedious and complex wiring tasks associated with central heating systems.

The **Multilink** Manifold simplifies complex plumbing and zoning of a heating system.



## Low Loss Header

By separating the two systems it allows boilers to operate at a constant flow rate in the primary circuit whilst flow rates and temperatures may vary in the secondary circuit. This avoids any interaction between the two pumps and enables the primary circuit return temperature to represent the load on the system. It also permits return temperature sequence control of multiple burners.

### What are the benefits of a low loss header?

- By regulating the flow rate and pressure, efficiency and performance of the heating system are improved. Boilers are safeguarded from irregular flows, ultimately increasing the life of the boiler
- If installed vertically, low loss headers can help collect sludge from the system. Due to the low flow velocity through the low loss header, the debris from the system has time to fall to the bottom of the header via a drain valve
- However, we would still advise having a dedicated air and dirt separator installed on the system



Code	Description
LL0001	Low Loss Header 70kW 1"

# 23 MACERATORS



A waste water transfer system is simple and straight forward. When a toilet is flushed, a pressure switch inside the macerator senses the flush and starts a very powerful macerator motor with a grinder. The macerator then liquefies the waste and pumps it through a pipe into an existing sewage line elsewhere. The strong suction created by the motor draws waste into the unit. The uniquely molded blades prevents any material from getting clogged. The powerful pump removes waste in less than 3 seconds.

Advantages that speak for themselves

- Easy and clean
- Can be installed anywhere
- Saves time and money
- Hidden piping
- Multiple connection possibilities
- No special maintenance requirements
- Easy to service



Tecma Sanisplit and Sanisplit Pro macerators work with either a 600 watt or 1000 watt motor.

## Sanisplit 3 Macerator

- The Sanisplit 3 offers maximum usage for a wet space or bathroom allowing for standard WC usage in addition to having 2 ancillary inlets providing the opportunity for a hookup to one of many additional appliances. i.e. shower, bath, washing machine, dishwasher, kitchen sink etc.
- Using the split system, the pump half section easily and hygienically without having to disconnect the toilet and the sewage discharge pipe section using a hand screw shown.



Code	Description
MS0001	Sanisplit 3 Macerator 600W (Complete Unit)
MS0020	Sanisplit Replacement Macerator Motor 600W (MOTOR SECTION ONLY)
MS0021	Sanisplit Wet Side Half Section (WET SIDE SECTION ONLY)

## Sanisplit Pro Macerator

- The Sanisplit Pro automatically collects and macerates waste water from your toilet, shower, dishwasher, washing machine or sink and pumps it to the sewage system.



Code	Description
<b>MS0004</b>	Sanisplit Pro Macerator 1000W (Complete Unit)
<b>MS0010</b>	Sanisplit Pro Replacement Macerator Motor 1000W (MOTOR SECTION ONLY)

### Features

- Flow Rates: 90 meters horizontally, 11 meters vertical lift.
- Electrical Input: 1000 watts.
- Wet plumbed section: works with Sanisplit and Sanisplit Pro motors (interchangeable).
- Serviceable: can remove motor section with a hand screw, no need to remove appliances to access macerator.

	Sanisplit Pro 3 Combi	Sanisplit 3 Combi
Dimensions [mm]	270x450x175	270x450x175
Power supply [Volt ac]	220-240	220-240
Power [Watt]	1,000	600
Electrical Absorption	3A	3A
Frequency	50Hz	50Hz
Max. elevation head	11 meter	11 meter
Max. horizontal distance	90 meter	90 meter
Max. capacity	277 l/min	277 l/min
Sewage water temperature	Max. of 70°C	Max. of 70°C
Pipe discharge size Ø [mm]	32-40 mm	32-40 mm
Toilet inlet	1	1
Other inlets	2	2
Weight [kg]	10 kg	10 kg



# 24 TEMPERATURE & PRESSURE GAUGES

Temperature and pressure gauges are used to monitor temperatures and pressures in heating and domestic water systems.

## Temperature Gauge 0-120°C



- The threaded sleeve can be screwed into a fitting or a cylinder connection to allow for the insertion of the temperature gauge to show the temperature

Code	Description
ICTH04	ICMA temp gauge complete with 3/8" threaded sleeve
ICTH01	0-120°C thermometer to suit 3/8" threaded sleeve
ICTH02	3/8" Threaded sleeve for thermometer

## 1/2" Thermomanometer



- A thermomanometer has a built in temperature and pressure gauge in one unit. It is clever in that it has two functions in one item and does not take up much space.

Code	Description
ICTH08	1/2" Thermomanometer 10 bar - 120°C

## Back Entry Pressure Gauge



- Back entry pressure gauges are generally used in conjunction with pressure reducing valves.

Code	Description
ICTH03	Back entry pressure gauge 1/4" tapping (0-10 bar)

## Replacement Thermometer



- River replacement thermometers are suited for River 300 and 3000 series mixing valves.



Code	Description
MVRC07	Replacement thermometer

# 25 FILTERS & STRAINERS

Everyone has the right to consume fresh clean drinking water. Unfortunately this is not always the case. It can be due to lack of treatment, ground contamination or over treatment with chemicals. Filters and strainers provide a vital role in correcting a lot of water quality problems. Our filtration system can remove sediment, soil, e-coli, bad odours and tastes. The duo and trio filter system sold by Aquatech Heating Solutions offers multiple filter setups to treat a variety of requirements.

Please ask our trained staff to assist you in choosing the correct setup that suits your specific requirements.

## Hydra Filtration Units Complete 1" Brass Connections



- Self-cleaning filters with back-wash and exclusive filter cartridges:
- **RAH** models with stainless steel net cartridge at 90 micron.
  - **RLH** models with plastic net cartridge at 90 micron.
  - **RSH** models with pleated plastic net cartridge at 50 micron.

Code	Description
ATFL04	Hydra Filtration unit complete 1" DUO RLH
ATFL05	Hydra Filtration unit complete 1" DUO RAH
ATFL06	Hydra Filtration unit complete 1" DUO RSH
ATFL07	Hydra Filtration unit complete 1" TRIO RLH
ATFL08	Hydra Filtration unit complete 1" TRIO RAH
ATFL09	Hydra Filtration unit complete 1" TRIO RSH

## 10" Water Filter Housing With 1" Female Connections



- The Filter housing is supplied with 1" brass female connections. It is designed to hold 10" cartridges of various types (see below)
- Max Pressure: 10 Bar
- Max Temperature: 60°C

Code	Description
<b>ATFL01</b>	10" water filter housing - 1" female connections

## Single Wall Bracket Complete



- The bracket is supplied with mounting screws. It is used to wall mount filter housing ATFL01.

Code	Description
<b>ATFL02</b>	Wall Bracket Single complete

## Spanner



- Suits ATFL01 - 10" water filter housing unit. This spanner is used to remove the cartridge holder and replace the internal filter.

Code	Description
<b>ATFL03</b>	Spanner (To suit ATFL01 10" housing unit)

## Micron Wool Filter



- Filter for fine particles, rust, lime, sand and scale

Code	Description
<b>ATFL15</b>	10" 5 Micron Wool Filter
<b>ATFL16</b>	10" 50 Micron Wool Filter

## 10" Hot Water Filter 80°C



- Mechanical filter for hot water
- Made of high-quality heat-resistant reinforced nylon

Code	Description
<b>ATFL40</b>	Senior Plus 80°C Hot Water Filter Housing 10"
<b>ATFL50</b>	Stainless Steel Washable Net Filter 10"
<b>ATFL51</b>	Wound thread Hot Water Filter 10"

## Carbon Block 10 MCR Cartridge



- Filter for fine particles; elimination of unpleasant odours, flavours and colours caused by chlorine or other organic substances; removal of pesticides, insecticides, chlorinate solvents

Code	Description
<b>ATFL13</b>	Carbon Block 10 MCR Cartridge

## 10" Polypropylene 5 MCR Cartridge



- Filter for fine particles, rust, lime, sand and scale

Code	Description
ATFL11	10" Polypropylene 5 MCR Cartridge

## 10" Carbon 0.3 MCR Cartridge



- Filter for fine particles and micro organisms and elimination of unpleasant odours and tastes caused by chlorine or other organic substances; removal of pesticides, insecticides and chlorinate solvents.

**REMOVES E-COLI**

Code	Description
ATFL12	10" Carbon 0.3 MCR Cartridge

## 10" Polyester Net 50 MCR Cartridge



- Filter for sand, scales, rust, grit

Code	Description
ATFL10	10" Polyester net 50 MCR Cartridge

## Hydro-Cyclonic Magnetic Filter



Magnetic Brass Filter - hydro-cyclonic magnetic filter is the ideal solution for gas, oil and heat pump installations. Manual Air vent, Visual Filter window allows for rapid diagnosis of a fouled system.

- Magnet: 3 parts magnets array - 10,500+ Gauss
- Compatible Fluid: Water & Glycol
- Filter Cartridge: 400 µm
- Chamber dimension: 380 ml

Code	Description
BFF001	1" F/F Magnetic Filter
BFF002	1 1/4" F/F Magnetic Filter



## Aquatech Magnetic Filter Ball Valve



- Ball valve for heating systems
- Easy cleaning, no tools needed
- Replaceable stainless-steel strainer with 0.6 mm mesh size
- Bar magnet, 12 000 Gs induction
- Female threads is G 1"

Code	Description
HPPO11	1" Magnetic Filter Ball Valve With On/Off Isolation



# 26 PLATE EXCHANGERS

Plate heat exchangers offer the highest efficiency mechanism for heat transfer available in the industry today.

Applications of use:

- Domestic hot water production
- Free cooling
- Waste heat recovery
- Heat pump and Wood boiler isolation/separation
- Gasket type for the food industry

Plate exchangers are an excellent choice for heating, potable water or other fluids, utilizing steam or high temperature water. The high heat transfer rate and corrosion resistance of stainless steel plates make these units ideal. There are various types available, titanium, stainless steel and copper brazed exchangers.

**AT AQUATECH WE CAN SPECIFY PARTICULAR TYPES AND SIZES OF EXCHANGERS TO SUIT YOUR EVERY NEED.**

Larger exchangers are special order only



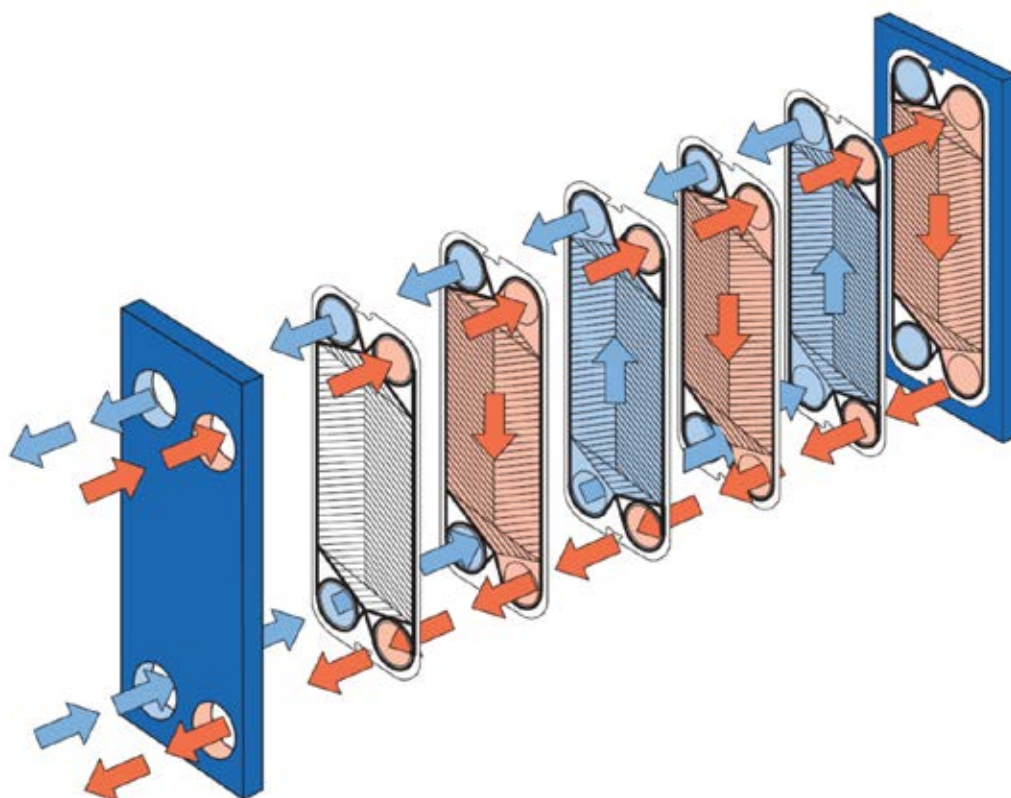


## Plate Exchanger With Optional Insulation

Brazed plate exchangers are ideally suited to heating separation for purposes of sealed and open systems or where antifreeze is the medium on one side and corrosion inhibitor is the medium on the other side.



Code	Description
SOPL01	3/4" plate exchanger only (50kW)
SOPL02	1" plate exchanger only (112kW)
SOPL01A	3/4" EPP plate exchanger insulation
SOPL02A	1" EPP plate exchanger insulation
SOPL10	Polar Bear 1" Plate Exchanger Only (148 KW)





## REPA-TECH SEALING AGENTS

### Product Information

Sealing agents for leaking pipes, boilers and solar systems

Properties:	REPA-Therm	REPA-R 200	REPA-Boiler
Waster loss	≤ 10 Ltr./Day	≤ 200 Ltr./Day	≤ 800 Ltr./Day
Applicable for steel, iron, copper and plastic material	●	●	●
Permanently creates a seal	●	●	●
Resistant to ageing	●	●	●
Resistant to pressure up to	10 bar	10 bar	10 bar
Resistant to temperature up to	1200 °C	1200 °C	1200 °C
Resistant to chemicals	●	●	●
Non-toxic	●	●	●
Unlimited storage time	●	●	●
Sensitive to frost	●	●	●
Applications Instructions:	REPA-Therm	REPA-R 200	REPA-Boiler
Establish water volume of heating installation	●	●	
Remove filters and dirt separators	●	●	●
Start operation of heating system and circulation pump	●	●	
Open all underfloor and radiator valves fully	●	●	●
Vigorously shake the contents of the bottle and pump it undiluted into the heating system (1 litre REPA : 200 litres water)	●	●	●
Bring the heating installation up to normal operating pressure and temperature	●	●	
Remove all air from pump(s) and heating system completely	●	●	●
After approx. 5 hrs put the heating system back into normal operation	●	●	
Rinse any tools or skin that has come in contact with REPA immediately	●	●	●
Establish water volume of the heating boiler			●
Separate heating boiler from the other heating installation (Create a small bypass pumped circuit)			●
Heat the boiler for approx. 4-5 hours to operating temperature of approx. 60°C			●
Important Instructions:	REPA-Therm	REPA-R 200	REPA-Boiler
After a max of 4 weeks, remove all REPA leak sealer products from the system and fill the system with applicable volumes of corrosion inhibitor and water	●	●	●
It is essential that the heating system and circulating pump are running in order for REPA to properly circulate throughout the system. Heat and time assists the sealing process. The sealing process can take up to a few days	●	●	●
Do not use the sealing agent in heating installations filled with corrosion inhibitor or any other chemical agent or it will not work	●	●	●
Heating systems that are heavily sludged with iron oxide or other foreign matter should be power flushed to give the chemical the best chance of sealing properly	●	●	●
Unlimited shelf life under frost-free conditions	●	●	●

# AQUAFLEX PERT AL PERT

## Pipe Technology

**Aquaflex pipe is manufactured by the largest pipe, fitting and valve manufacturer in the world. Aquaflex is sold in 76 countries world wide. The factory produces the following:**

**1,000,000** meters of pipe per day  
**100,000** press fit fittings per day  
**50,000** valves per day



**The quality control is state of the art.**

AQUAFLEX

### What are the advantages?

- Save your body from unnecessary wear and tear
- 80% Less expensive than copper!
- Can be stored safely in a van or boot
- Connections are made using a REMS tool with press tongs (23 ton per square inch per press.)
- Bends are formed using either external or internal bending springs.
- Bends remain in place, making the system quick to install while using less fittings
- Linear expansion rates similar to copper
- The aluminium core is absolutely diffusion tight
- Aquaflex is a tried and tested brand
- Competitively Priced!
- All pipe is 100% oxygen barrier proof
- Flexible
- 50 year manufacturers warranty, only applies when using REMS tools
- Smooth surface area making it fast to work with
- Available in 16mm, 20mm, 25mm, 32mm, 40mm, 50mm, 63mm and 75mm (sizes ex stock up to 75mm)
- Available in Coils of pipe non insulated or pre insulated
- Compression manifolds available to suit with isolation valves
- 16mm Radiator valves and lock shield available to suit
- 15mm x 16mm connections available to connect to standard radiator valves
- Inserts not required
- Hemp, PTFE tape and plumbing pastes not required
- Spanners not required.

**AVAILABLE IN STRAIGHT LENGTHS**

# TERMS AND CONDITIONS

## TERMS AND CONDITIONS OF TRADE

In these terms and conditions ("Terms"), the following words shall have the following meanings:- "The Buyer" shall mean the corporate entity, firm or person seeking to purchase the Goods from the Company;

"The Company" shall mean Aquatechnologie Ltd; T/A Aquatech Heating Solutions whose registered office is at Unit 27, Togher Industrial Estate, Togher, Cork, T12 EY28, Ireland.

"The Contract" shall mean any contract between the Company and the Buyer for the sale and purchase of the Goods, incorporating these Terms; "The Goods" shall mean the goods to be supplied to the Buyer by the Company (including any part or parts of them).

## 1. THE CONTRACT

**1.1** All orders for the Goods, whether by way of telephone, email, fax, post or any other methods, placed by the Buyer are accepted by the Company under these Terms.

**1.2** These Terms exclude any other terms and conditions inconsistent therewith which the Buyer might seek to impose even if such other terms and conditions may be submitted in a later document and/or purport to exclude or supersede any terms and conditions inconsistent with them or may be contained in any offer acceptance or counter offer made by the Buyer.

**1.3** No variation of these Terms is permitted unless expressly accepted by a Director of the Company.

**1.4** No order placed by the Buyer (whether based on a price quoted in the Company's catalogue or otherwise) shall be deemed to be accepted by the Company until the Company or Company's Supplier dispatches the Goods to the Buyer.

**1.5** The Buyer must ensure that the terms of its order and any applicable specification are complete and accurate.

## 2. PRICE

**2.1** The price of the Goods shall be as set out in the Company's current catalogue published as at the date of delivery or deemed delivery, unless otherwise agreed by the Company in writing. All prices are exclusive of VAT and all such amounts shall be paid by the Buyer in addition to the price for the Goods.

**2.2** No additional charge will be made by the Company for carriage of the Goods unless:

**2.2.1** The Buyer has requested particular requirements relating to the carriage of the Goods; and

**2.2.2** Such carriage requirements have been agreed to by the Company

## 3. PAYMENT

**3.1** Payment of all sums payable under these Terms shall be paid in full by the 26th day of the month after invoice. No payment shall be deemed to have been received until the Company has received cleared funds. Time for payment shall be of the essence.

**3.2** The Company reserves the right to charge interest at 2 per cent per annum above the base rate of Bank of Ireland plc from time to time in force on all overdue accounts, such interest being deemed to accrue on a day to day basis from the due date for payment under Clause 3.1 until receipt by the Company of the full amount (including accrued

interest) whether before or after judgment together with any reasonable legal or other recovery costs.

**3.3** The Buyer shall not be entitled to withhold payment of any amount payable to the Company by reason of any dispute or claim by the Buyer and in the case of any shortfall in the delivery, or delivery of damaged goods, shall remain liable to pay the full invoice price of all other goods delivered or available for delivery.

**3.4** The Company reserves the right at any time at its discretion to demand security for payment before continuing with or delivering the Goods in satisfaction of any order notwithstanding any subsisting agreement to provide credit to the Buyer.

**3.5** The Buyer shall reimburse to the Company the entire costs of presenting any cheque or other instrument delivered to it in payment of any sum due by the Buyer.

**3.6** Queries on invoices must be received in writing by the Company within 21 days from the date of invoice.

**3.7** If the Buyer (being a company) has a petition presented for its winding up or appointment of an Administrator or Examiner or passes a resolution for voluntary winding-up otherwise than for the purpose of a bona fide amalgamation or reconstruction or enters a scheme of arrangement or voluntary arrangement or compounds or makes any proposal to or enters into any arrangement with its creditors or has a Receiver or Manager or an Administrative Receiver appointed over all or any part of its assets or (being an individual) has a petition presented for his bankruptcy or becomes bankrupt or insolvent or enters into any arrangement with his creditors or makes or has made an application for an Interim Order in connection with a proposal to Creditors for a voluntary arrangement or commits in either case a material or serious breach of this Contract (and in the case of such a breach being capable of remedy fails to remedy it within 7 days of receiving notice to do so), then without limiting any other right or remedy available to the Company, the Company may cancel the Contract or suspend any further deliveries under the Contract without any liability to the Buyer and all sums owing to the Company on any account shall become due and payable forthwith without requirement for any notice to be given, and further in either case the Buyer's license to sell and use in clause 7.4 shall automatically cease.

**3.8** The Title of the goods does not pass until all items are paid for in full!

## 4. DELIVERY

**4.1** Delivery will be deemed to have been effected when the Goods leave the premises of the Company (or, as the case may be, the premises of the Company's suppliers in circumstances where the Goods are delivered direct from such suppliers to the Buyer).

**4.2** Any dates quoted by the Company for delivery of the Goods are intended to be an estimate and time of delivery is not the essence of the Contract.

**4.3** The Company reserves the right to make delivery by instalments and to tender a separate invoice in respect of each instalment.

**4.4** Any delay in delivery will not entitle the Buyer to terminate or rescind the Contract nor to claim damages unless such delay exceeds 30 days, and therefore unless the delay exceeds such number of days, the Buyer shall be bound to accept delivery and pay for the Goods in full. The same will apply

if delivery is made by instalments (whether by agreement or by the Company exercising its right under Clause 4.3).

**4.5** The Buyer shall either itself or by its duly authorized representative sign the delivery ticket as acknowledgement of delivery provided that on delivery to the address nominated by the Buyer the Company shall be entitled to assume that any signature given is that of the Buyer or such a representative. The Buyer shall notify the Company within 3 working days of the date of delivery of the Goods if the consignment of the Goods delivered is incomplete. Notwithstanding the receipt by the Company of any such notice a clear signature on a carrier's delivery sheet by such representative shall be deemed to signify receipt of the quantity of Goods indicated on the advice sheet.

**4.6** If for any reason the Buyer will not accept delivery of any of the Goods when they are ready for delivery, or the Company is unable to deliver the Goods on time because the Buyer has not provided appropriate instructions, documents, licenses or authorizations:

**4.6.1** Risk in the Goods will pass to the Buyer (including for loss or damage caused by the Company's negligence)

**4.6.2** The Goods will be deemed to be delivered; and

**4.6.3** The Company may store the Goods until delivery whereupon the Buyer will be liable for all related costs and expenses (including without limitation, storage and insurance).

## 5. DESCRIPTION

**5.1** The description of the Goods shall be as set out in the Buyer's order accepted by the Company ("Description").

**5.2** All drawings, descriptive matter, specifications and advertising issued by the Company and any descriptions or illustrations contained in the Company's catalogues or brochures are issued or published for the sole purpose of giving an approximate idea of the Goods described in them. They will not form part of the Contract. The implied terms set out in Sections 13 and 15 of the Sale of Goods Act 1893 (as amended) are hereby excluded to the fullest extent permitted by law.

## 6. INSPECTION

**6.1** The Buyer shall inspect the Goods on delivery and shall within 3 working days of the date of delivery notify the Company in writing of any shortages in quantity or failure to comply with the Description. If the Buyer shall fail to comply with these provisions the Goods shall be conclusively presumed to be in accordance with the Contract and the Buyer shall be deemed to have accepted the Goods.

**6.2** In all cases where the Company receives details of such shortages or failure to comply with the Description in accordance with Clause 6.1, the Company shall be under no liability in respect thereof unless a reasonable opportunity to inspect the Goods is provided to the Company before any use is made thereof or any alteration or modification is made to the Goods by the Buyer.

**6.3** Subject to clauses 6.1 and 6.2, the Company shall make good any of the above defects, and where deemed faulty, as soon as it is reasonably able to do so, but otherwise, except as otherwise provided in these Terms, shall be under no liability whatsoever or howsoever arising for such defects or damage.

## 7. TITLE AND RISK

**7.1** Subject to Clause 4.6, risk in the Goods shall pass to the Buyer at the time of delivery which is determined in accordance with Clause 4.1

**7.2** Title of the Goods sold by the Company to the Buyer shall remain with the Company until the Buyer has paid the price plus VAT and any other agreed charges in full (by way of cash or cleared funds) for those Goods.

**7.3** For the purpose of these Terms all liquidated sums owed by the Buyer to the Company on any account or goods whatsoever shall be deemed to form part of the said price.

**7.4** The Buyer is licensed by the Company to use or to agree to sell the Goods delivered to the Buyer subject to the express conditions that the sale shall be effected in the ordinary course of the Buyer's business at full market value and that the entire proceeds of any sale are held in trust for the Company and are not mixed with other moneys or paid into an overdrawn bank account and shall at all times be identifiable as the Company's money.

**7.5** Until title to the Goods passes to the Buyer in accordance with Clause 7.2:

**7.5.1** The Buyer will hold the Goods and each of them on a fiduciary basis as bailee for the Company;  
**7.5.2** the Goods shall, subject to clause 7.4, be kept separate and distinct from all other property of the Buyer and of third parties and in good and substantial repair and condition and be stored in such a way as to be clearly identifiable as belonging to the Company and the Buyer will not allow any interference with any identification marks or serial number of the Goods;

**7.5.3** without prejudice to any other rights the Company may at any time revoke the license to sell and use contained in clause 7.4 by notice to the Buyer if the Buyer is in default for longer than 14 days in the payment of any sum whatsoever due to the Company whether in respect of the Goods or any other goods supplied at any time by it to the Buyer or if the Company has bona fide doubts as to the solvency of the Buyer;

**7.6** Until such time as title in the Goods passes from the Company to the Buyer, the Buyer shall place any of the Goods in its possession or under its control and unsold at the disposal of the Company and the Company by its servants or agents shall be entitled to enter upon any premises of the Buyer or any premises under the Buyer's control or to which the Buyer has a right of access of the purpose of inspection, repossession and removal or such Goods at any time.

**7.7** The Company shall be entitled to recover payment for the Goods notwithstanding that ownership of any of the Goods have not passed from the Company.

**7.8** The Company shall at any time be entitled to appropriate any payment made by the Buyer in respect of any goods in settlement of such invoices or accounts in respect of such goods as the Company may in its absolute discretion think fit notwithstanding any purported appropriation to the contrary by the Buyer.

## 8. WARRANTIES

**8.1** The Company warrants that it has title to and the unencumbered right to sell the Goods.

**8.2** Subject to Clause 9.2.5, no representation or warranty is given as to the suitability or fitness of the Goods for any or any particular purpose and the Buyer shall satisfy itself in this respect and shall be totally responsible therefore. The implied terms set out in Section 14 of the Sale of Goods Act 1893 (as amended) are hereby excluded to the fullest extent permitted by law.

## 9. LIABILITY

### 9.1 Introduction

**9.1.1** Nothing in this Clause 9 shall be deemed to exclude or restrict the Company's liability for death or personal injury resulting from the Company's negligence or wilful misconduct;

**9.1.2** Each of the sub-clauses in Clause 9 is to be treated as separate and independent and capable of severance.

### 9.2 Exclusion

**9.2.1** Clause 9.2 only covers defects in goods supplied caused by faulty design, manufacture, materials or workmanship. It does not cover defects caused by abnormal use, misuse or neglect by the Buyer;

**9.2.2** The Company agrees that if any defect covered by Clause 9.2.1 is discovered the Company will in its absolute discretion either:-

Repair the Goods at its own expense; or

Replace the Goods; or

Refund the purchase price of the Goods.

**9.2.3** The Buyer cannot claim the benefit of this clause unless:-

The defect is discovered during the period of three months commencing with the date of dispatch; and The Buyer informs the Company of the relevant defect in writing within 3 working days of discovering it.

**9.2.4** The risk of accidental loss whilst the Goods are being returned will be borne by the Buyer.

**9.2.5** Subject as expressly provided in these Terms, no other terms, whether conditions, warranties or in nominate terms, implied by statute or common law, shall form part of this Contract and are excluded to the fullest extent permitted by law. (For the avoidance of doubt, nothing in this clause shall serve to exclude from the Contract any contractual rights which the Buyer may enjoy by virtue of Section 12 of the Sale of Goods Act 1893 (as amended).

### 9.3 Exclusion of consequential loss:

**9.3.1** The Company shall not be liable for any consequential loss or indirect loss, damage and/or expense suffered by the Buyer or any customer of or purchaser from the Buyer (for which the Buyer shall hold the Company fully and effectually indemnified) arising out of a breach by the Company of this Contract or tort or any other way (including loss arising from the Company's negligence). Non-exhaustive illustrations of consequential or indirect loss would be:

**9.3.1.1** Loss of profits

**9.3.1.2** Loss of contracts

**9.3.1.3** Damage to property of the Buyer or anyone else; and

**9.3.1.4** Personal injury to the Buyer or anyone else (except so far as such injury is attributable to the Company's negligence or fraudulent misrepresentation)

## 9.4 Limitation

Without prejudice to any other provision in these Terms in any event the Company's total liability for any one claim or for the total of all claims arising from any one act or default of the Company (whether arising from the Company's negligence or otherwise) shall not exceed the Contract price of the Goods.

## 10. FORCE MAJEURE

The Company shall not be liable for any failure to deliver the goods arising from circumstances outside its reasonable control including without limitation an Act of God, war, riot, explosion, abnormal weather conditions, fire, flood, strikes, lockouts, acts, restrictions, bye laws, prohibitions or measures of any kind on the part of any governmental, parliamentary or local authority, accidents and shortage of materials, labour or manufacturing facilities.

## 11. NOTICES

Any notice to be given hereunder shall be in writing and shall be deemed to have been duly given if sent or delivered to the company at:

**11.1** Unit 27, Togher Industrial Estate, Togher, Cork, T12 EY28, Ireland or such other address as the Company may from time to time notify in writing and

**11.2** The Buyer at the address specified in its trade account application form or such other address as the Buyer may from time to time notify in writing and such notices shall be deemed to have been served, if sent by post, 48 hours after posting or if by telex or facsimile transmission at the time of sending.

## 12. PROPER LAW AND JURISDICTION

The Contract shall be governed by and construed in accordance with Irish law, and the parties hereby agree that all disputes arising in connection with the Contract shall be submitted to the non-exclusive jurisdiction of the Irish Courts.

## 13. HEADINGS

The headings of these Terms are for convenience only and shall have no effect on the interpretation thereof.

## 14. SEVERANCE

If any provision of the Contract shall be void or unenforceable in whole or in part, the remaining provisions and the remainder of the provision affected shall remain in full force and effect.

## 15. ASSIGNMENT

**15.1** The Buyer shall not be entitled to assign the Contract or any part of it without the prior written consent of the Company.

**15.2** The Company may assign the Contract or any part of it to any person, firm or company.

## 16. WAIVER

**16.1** Failure or delay by the Company in enforcing or partially enforcing any provision of the Contract will not be construed as a waiver of any of its rights under the Contract.

**16.2** Any waiver by the Company of any breach of, or any default under, any provision of the Contract by the Buyer will not be deemed a waiver of any subsequent breach or default and will in no way affect the other terms of the Contract.

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HEATING SOLUTIONS



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