
KINGSPAN ENVIRONMENTAL

ESSENTIAL PRODUCT GUIDE

ONLINE @ www.keguide.com

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The Kingspan Environmental Essential Product Guide is a single catalogue featuring all the products and services Kingspan Environmental has to offer.

We not only supply tried and trusted products, we also provide an award winning design consultancy, training courses and focused customer service to ensure our customers get the very best support available.

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BRAND OVERVIEW

WATER MANAGEMENT SOLUTIONS

Our pioneering brands, Klargester, for waste water and storm water attenuation, and Kingspan Water for rainwater harvesting offer a portfolio of proven and ground breaking water management technologies.



RENEWABLE ENERGY SOLUTIONS

Inspired thinking is at the heart of our renewable energy offer. High-performing wind turbines, solar thermal tubes and panels, hot water storage systems and heat pumps capture, store and transform natural energy from the sun and wind into reliable and highly effective heating and cooling for water and buildings.



- Range
- Albion
- Ferham



- Thermomax
- Varisol
- FPW Flat Plate



- Aeromax Plus

ENVIRONMENTAL MANAGEMENT SOLUTIONS

Our high-performance environmental containers are at the forefront of plastics technology while our award-winning telemetry solutions offer affordable level measurement gauges and integrated energy management systems.

As well as remarkable products, we offer world-class consultancy and environmental services, whether it is a Kingspan system or not.



- Watchman



- Parts & Spares

REDUCE YOUR HOMES ENERGY & WATER COSTS



TRAINING COURSES



As a leading manufacturer of renewable energy and water solutions, Kingspan Environmental recognise their responsibility to promote the skills required to design, install and maintain these technologies.

To this end Kingspan Environmental currently operate training centres throughout the UK and Ireland, and on-site training is also available.

For more details or to make a booking contact our training manager:

07733 307 803

COURSES AVAILABLE

- ◀ Solar Thermal Hot Water Systems
- ◀ Air & Ground Source Heat Pumps
- ◀ Water Regulations Certificate
- ◀ Legionella Prevention Certificate
- ◀ Part L Energy Efficiency
- ◀ Rainwater Harvesting
- ◀ Water Management
- ◀ Hot Water Safety & Systems
(Formally Unvented Hot Water)

DESIGN

WE'LL CREATE A SYSTEM FOR YOU OR YOUR CUSTOMER

Our aim is not just to manufacture and supply world-class products but to design total solutions for our customers, featuring and integrating:

- ◀ Renewable Heat
- ◀ Wind Power
- ◀ Water Management
- ◀ Storage Systems
- ◀ Monitoring Devices

Each technology is tailored to the exact specifications of the individual brief and objectives. This means providing world-class design consultancy, engineering expertise and comprehensive advice from initial site visit and assessment to detailed design drawings and concepts, delivery and installation support.

We create a system tailored to the unique specifications of your building and/or business, be it domestic, commercial industrial or agricultural, in any country.

Email: kedesign@kingspan.com

Sales Hotline: 0845 260 0258

Email: sales@kingspansolar.com

Web: www.kingspansolar.co.uk

Design Service available

SOLAR THERMAL TECHNOLOGIES

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SOLAR THERMAL HOT WATER

Solar thermal hot water systems use the sun's energy to heat your domestic hot water, and can provide as much as 70% of your hot water needs over the course of a year. An array of high performance solar tubes on the roof can form a key part of your home energy management. They are included in the Government's proposed Renewable Heat Incentive that will see homeowners rewarded for using renewable heating technology, so you can also save money. There is a choice of systems available depending on your requirements.



We supply the complete solar hot water system

SIMPLE STEPS TO SOLAR HOT WATER

FEATURES

- Generates free hot water.
- Environmentally friendly.
- Reduces carbon footprint.
- Cuts your energy bills up to 60%.
- Works efficiently in all weather conditions.
- MCS approved.

SOLAR COLLECTOR

You need to decide where your solar collector will be positioned on your house. To get the best efficiency, the collector should be installed facing due south at an angle of 30-40°. Vacuum tubes can be rotated to help compensate for less than perfect roof angles in order to maximise energy absorption.

SOLAR COLLECTOR SIZE

It is important that the solar hot water system is sized correctly in relation to the number of occupants in your house to maximize efficiency. There are two typical collector sizes for homes - a 2m² collector for a home with one or two adults or a 3m² collector for one with three to five adults.

CYLINDER

A twin coil hot water storage tank enables energy input from the central heating system to the top half of the tank and energy input from solar system to the bottom half of the tank. We recommend a stainless steel unit for use in a pressurised system and copper for use in an open vented system.

INSTALL WITH CONFIDENCE

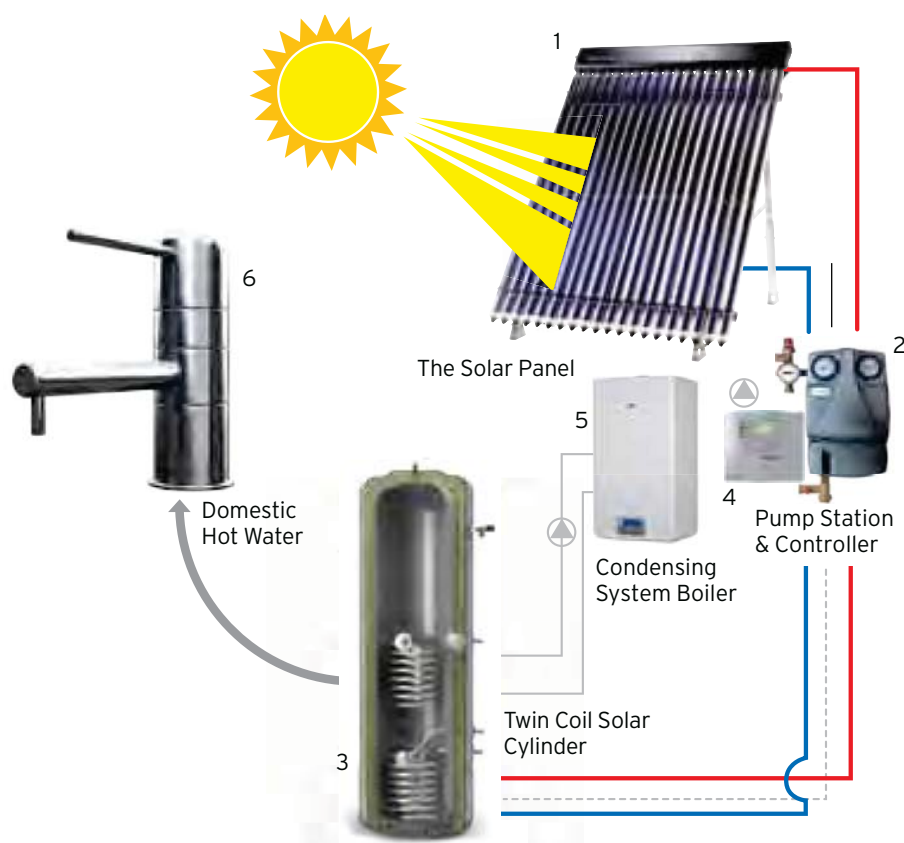
To ensure that you receive the highest standards of conduct, workmanship and customer service, Kingspan has introduced a national network of accredited installers, to bring peace of mind to those looking to install renewable hot water systems. Please visit our website for up-to-date list of KSAI's.

BIG BRAND SAVINGS

ON SOLAR THERMAL PACKS FROM KINGSPAN



Kingspan Environmental have the right to remove this promotion at any time.



HOW DOES SOLAR THERMAL TECHNOLOGY WORK?

1. The solar panels collect energy from the sun which increases temperature of the heat transfer fluid contained within the panels.
2. When the fluid in the panels is hot enough, the pump station circulates the hot fluid around the system.
3. The hot fluid is pumped around the coil at the bottom of the solar cylinder and heats the water that is stored inside.
4. The solar controller enables you to time your hot water, just like a central heating programmer, and measure the amount of energy you have gained from the sun.
5. If the solar panel didn't collect enough energy to heat the hot water to the required temperature, a supplementary heat source (e.g. gas or oil boiler) is required to top up the water temperature.
6. Hot water can then be used through your taps, bath and showers.

THERMOMAX VACUUM TUBES

Kingspan Thermomax is up to 30% more efficient than traditional flat plate panels. The vacuum inside each tube provides perfect insulation and suppresses heat loss by protecting the system from outside influences, which results in optimum performance levels all year round.



DF100 - DIRECT FLOW COLLECTORS

DF100 is high performance Direct Flow collector, providing the perfect solution when the ideal position is not achievable.

DF100 is a 'Wet System' recommended especially for industrial and commercial use and can be installed on facades or flat roofs both horizontally and vertically.

HP400 - HEAT PIPE COLLECTORS

HP400 is highly efficient Heat Pipe collector, suitable for installation when the ideal position on the building is achievable.

HP400 is a 'Dry System' recommended especially for domestic use and ideal for Northern European climates. The dry connection between manifold and tube means tubes can be easily fitted and replaced, without the need to drain down the system.

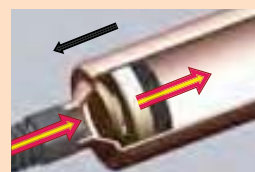
HP400 COLLECTORS CONTAIN A UNIQUE PATENTED TEMPERATURE LIMITATION DEVICE FOR SYSTEM PROTECTION.



The device is open and heat transfer occurs until the condenser reaches 90°C



Snap disks operate and close the device, stopping heat transfer into condenser



Device re-opens as temperature falls below 90°C, reactivating heat transfer

THERMOMAX DF 100 PACKS

		TMAX DF	TMAX DF	TMAX DF
CODE	Component	2 Sq m Pk	3 Sq m Pk	4 Sq m Pk
C0560	TYFOCOR 20LTR ANTIFREEZE	1	1	2
C0586	TMAX DF100-2m ² MANIFOLD	1	-	2
C0587	TMAX DF100-3m ² MANIFOLD	-	1	-
KST0005	TMAX DF100 TUBES 10	2	3	4
C0590	TMAX SLOPING ROOF KIT V	1	1	2
KEK0054	SC400 CONTROLLER	1	1	1
KSP0022	18L VESSEL & 5L TRV KIT	1	-	-
KSP0023	25L VESSEL & 8L TRV KIT	-	1	1
KSP0025	DUAL STREAM PUMP STATION	1	1	1
C0674	INTERCONNECTION KIT (DF)	-	-	1

THERMOMAX HP 400 PACKS

		TMAX HP	TMAX HP	TMAX HP
CODE	Component	2 Sq m Pk	3 Sq m Pk	4 Sq m Pk
C0560	TYFOCOR 20LTR ANTIFREEZE	1	1	2
C0590	TMAX SLOPING ROOF KIT V	1	1	2
KSK0160	TMAX HP400-2m ² MANIFOLD	1	-	2
KSK0161	TMAX HP400-3m ² MANIFOLD	-	1	-
KST0053	TMAX HP400 TUBES 10 Temp Limit 90°C	2	3	4
KEK0054	SC400 CONTROLLER	1	1	1
KSP0008	18L EXPANSION VESSEL KIT	1	1	1
KSP0025	DUAL STREAM PUMP STATION	1	1	1
KSK0172	INTERCONNECTION KIT (HP)	-	-	1

Other packs available. Please contact Sales for more info.

VARISOL VACUUM TUBES

Kingspan Varisol is the first solar thermal vacuum tube collector with no rigid manifold. Its unique award winning design allows vacuum tubes to simply 'click-fit' together to create collectors of varying sizes and offers total flexibility in system design. This means collectors can be sized to meet exact needs of your household and fitted within the space available, e.g. in between windows and sky lights.



COLLECTOR POSITIONS

1. Ideal slope 40°
2. Roof kit angled 40°
3. Elevated 20°
4. Horizontal ideal slope
5. Horizontal façade
6. Flat
7. Vertical façade



VARISOL DF (Direct Flow)

Varisol DF combines Thermomax DF vacuum tubes with a unique modular manifold for increased flexibility in system design and installation, whilst retaining their top quality performance.

Quick and easy to install, Varisol DF is suitable for both domestic, commercial and industrial applications and can be installed on facades or flat roofs both horizontally and vertically.

VARISOL HP90 (Heat Pipe)

The revolutionary new design of Varisol HP90 offers a modern and flexible alternative to the rigid manifold system. All the benefits of 'click-fit' installation combined with Thermomax HP technology make Varisol HP ideal for the domestic market, giving energy savings guaranteed for life.

Quick and easy to install, Varisol HP90 features a unique patented temperature limitation device for system protection.

INSTALLATION COULDN'T BE EASIER

- 1 Insert Varisol Tube
- 2 Rotate down
- 3 Click into place



VARISOL HP PACKS

		Varisol HP	Varisol HP	Varisol HP
CODE	Component	2 Sq m Pk	3 Sq m Pk	4 Sq m Pk
C0560	Tyfocon 20Ltr Antifreeze	1	1	1
KSK0040	Varisol Sloping Roof Kit (20)	1	-	2
KSK0041	Varisol Sloping Roof Kit (30)	-	1	-
KST0078	Varisol HP90 Collector (10)	2	3	4
KEK0054	SC400 Controller	1	1	1
KSP0008	18L Expansion Vessel Kit	1	1	1
KSP0025	Dual Stream Pump Station	1	1	1
KSK0038	Varisol Connection Kit	1	1	1
KSK0045	Varisol Interconnection Kit	-	-	1

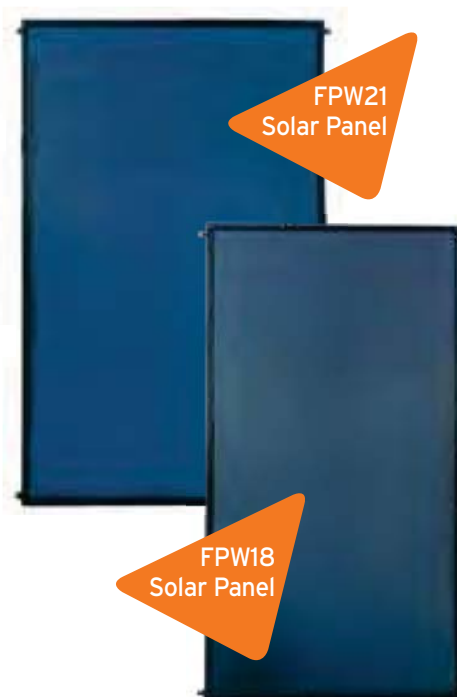
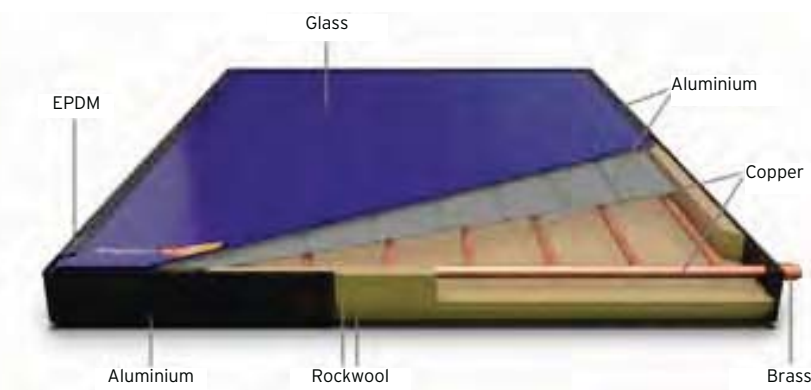
VARISOL DF PACKS

		Varisol DF	Varisol DF	Varisol DF
CODE	Component	2 Sq m Pk	3 Sq m Pk	4 Sq m Pk
KST0027	Box Of Varisol Tubes (10)	2	3	4
KSK0038	Varisol Connection Kit	1	1	1
KSK0040	Sloping Roof Kit (20)	1	-	2
KSK0041	Sloping Roof Kit (30)	-	1	-
KSP0025	Dual Stream Pump Station	1	1	1
KSP0022	DF Vessel Kit 18L EXP 5Ltr TRV	1	1	1
KEK0054	SC400 Controller	1	1	1
C0560	Tyfocon 20Ltr Antifreeze	1	1	2
KSK0045	Varisol Interconnection Kit	-	-	1

Other packs available. Please contact Sales for more info.

KINGSPAN SOLAR FLAT PLATE PANEL

Kingspan Flat plate panels are the most popular solar collectors on the market. They provide a cost-effective solution both domestic and commercial applications and deliver excellent levels of efficiency and performance. A range of fixing brackets is available to suit all types of roof tiles including concrete, slate and clay peg. The panels are robust, hard-wearing and flexible in installation with both 'in-roof' and 'on-roof' options.



'IN-ROOF' PLATES

'In-roof' installations typically take place on new build properties. The solar panel is encased in a cassette unit that is then mounted directly onto the roof battens. The roof is then tiled up to the cassette, not only to provide a weather-tight installation, but also to maintain the integrity of the roof itself.

'ON-ROOF' PLATES

The 'on-roof' option tends to be favoured for use on existing properties, as the solar panel is mounted on top of the existing roof tiles on brackets that penetrate through the roof and are bolted to the rafters to ensure a secure fixing.

FLAT PLATE IN-ROOF PACKS

CODE	Component	FPW18 Panel		FPW21 Panel	
		1 panel Pk flat tiles quantity	1 panel Pk pantiles quantity	1 panel Pk flat tiles quantity	1 panel Pk pantiles quantity
KFP0170	FPW18 Solar Panel	1	1	-	-
KFP0182	FPW18 Single Cassette For Flat Tile	1	-	-	-
KEK0054	SC400 Controller	1	1	1	1
KSK0046	Glycol Solution 10kg	2	2	2	2
KSP0008	18L Expansion Vessel Kit	1	1	1	1
KSP0025	Dual Stream Pump Station	1	1	1	1
KFP0173	FPW18 Single Cassette For Pantile	-	1	-	-
KFP0171	FPW21 Solar Panel	-	-	1	1
KFP0185	FPW21 Single Cassette For flat tile	-	-	1	-
KFP0176	FPW21 Single Cassette For Pantile	-	-	-	1

FLAT PLATE ON-ROOF PACKS

CODE	Component	FPW18 Panel		FPW21 Panel	
		1 panel Pk A-frame quantity	1 panel Pk normal brackets quantity	1 panel Pk A-frame quantity	1 panel Pk normal brackets quantity
KFP0170	FPW18 Solar Panel	1	1	-	-
KEK0054	SC400 Controller	1	1	1	1
KSK0046	Glycol Solution 10kg	2	2	2	2
KSP0008	18L Expansion Vessel Kit	1	1	1	1
KSP0025	Dual Stream Pump Station	1	1	1	1
KFP0024	FPW18 Brackets A-frame	1	-	-	-
KFP0026	FPW18 Brackets Normal	-	1	-	-
KFP0171	FPW21 Solar Panel	-	-	1	1
KFP0014	FPW21 Brackets A-frame	-	-	1	-
KFP0016	FPW21 Brackets Normal	-	-	-	1

FIXING KITS

Fixing kits will need to be ordered with all solar bundle packs

ORDERING CODE	COMPONENT DESCRIPTION
KSK0032	1st Fix Pack Fittings - Kingspan Solar Flat Plate
KSK0030	1st Fix Pack Fittings - Thermomax (Inc Pt1000 & C0673)
KSK0031	2nd Fix Pack Fittings With 22mm Compression Ends - Kingspan Solar Flat Plate And Thermomax



First Fix Kit



Second Fix Kit

ACCESSORIES

ORDERING CODE	COMPONENT DESCRIPTION	USE
KFP0067	Flat plate stop ends 3/4"	F
KFP0022	Washer	U
KFP0080	Union nut 3/4" male	U
KSP0082	Az female union	U
KSP0083	3/4" Male to 22mm stub	U
KSP0085	Dn16 insulated corrugated hose - 10m	U
KSP0086	Dn16 insulated corrugated hose - 15m	U
KSP0087	Dn16 insulated corrugated hose - 20m	U
KSP0186	Dn16 insulated corrugated hose - 50m	U
KSK0047	Press tool kit	U
KSK0049	Handheld press tool	U
KSP0118	Drain cock tee	U
KSK0016	Joint plate roof kit	T
KEK0016	Sensor cable (Pt 1000)	U
KSP0065	Combi solar diverter valve	U
KEK0013	SC300 controller	U
KEK0054	SC400 controller	U
KEK0055	SC500 controller	U
C0599	Thermomax A-frame bracket	T
C0673	Thermomax connection kit	T
C0674	Thermomax interconnection kit (DF)	T
KSK0172	Thermomax interconnection kit (HP)	T
KSK0214	Solar flash twin pack	U
KSP0301	Solar fluid catchment tank 6.05Ltr - plastic (pe)	U
KSK0051	East/west fixing kit	U
KSK0052	East/west pump tee	U
KSK0089	East/west pump & panel kit	U
KSP0043	3 Port valve	U
KSK0213	Fitting tool for trapezoidal roof clamp	U
KSK0178	Bag of four trapezoidal roof clamps	U
KSK0046	Glycol solution 10kg pre-mixed	F
C0560	Tyfocor 20 ltr antifreeze	T/V



Catchment Tanks



Pump Stations



Solar Controller



Toolkit



Glycol



Tyfocor



Solar Combi Diverter Valve



Thermomax A-frame Bracket

(F) Flat Plate (U) Universal (T) Thermomax (V) Varisol

Sales Hotline: 0845 260 0258

Email: info@kingspan-renewables.com

Web: www.kingspan-renewables.co.uk

Design Service available

HEAT PUMPS

Domestic Air Source Heat Pumps
– Aeromax Plus

18

AEROMAX PLUS AIR SOURCE HEAT PUMPS

Our range of **Kingspan Aeromax Plus Heat Pumps** has been designed specifically for use in North European climates. Operational to -20°C , they provide water temperature up to 55°C - 60°C . They work efficiently with both radiators or underfloor heating systems, delivering typical comfort space heating between 35°C and 55°C . With their exceptionally small footprint they are probably the most compact units in today's market.

FEATURES

- Powerful performance with low noise.
- Low running costs.
- MCS certified and SAP Appendix Q listed.
- Qualify for Permitted Development Rights (4 & 6kW units).
- Reduce energy cost and CO_2 emissions by up to 50%.
- Complete package offering.



EVERY AIR SOURCE HEAT PUMP HAS FOUR MAIN PARTS:

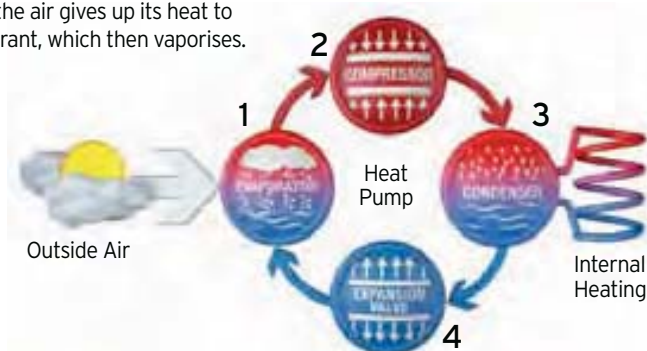
- 1 Evaporator
- 2 Compressor
- 3 Condenser (heat exchanger)
- 4 Expansion Device

1. The evaporator collects heat from the outside air, which is then drawn into the unit by the fan through the evaporator fins and expelled through the front grille. The evaporator has liquid refrigerant passing through it, which is at a considerably lower temperature than the outside air, therefore the air gives up its heat to the refrigerant, which then vaporises.

2. This preheated vapour now travels to the compressor where it is compressed and upgraded to a much higher temperature.

3. The hot vapour now enters the condenser where it is surrounded by water from the heating system. The heat is given up to the cooler water and the now cooler refrigerant returns to its former liquid state but still under high pressure from the compressor.

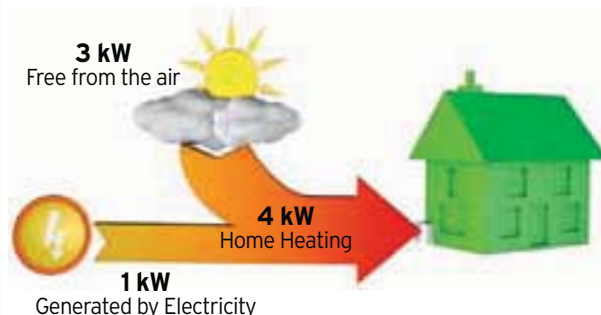
4. This high pressure is then released by passing the liquid through the expansion device and from there it returns to the evaporator and the cycle starts again.



BASIC CONCEPT OF HEAT PUMP TECHNOLOGY

Aeromax Plus Air Source Heat Pumps provide thermodynamic heating by means of a vapour compression cycle. In the same way that a fridge uses refrigerant to extract heat from the inside to keep the food cool, air source heat pump extracts heat from the outside air, and uses it to heat the home through radiators, underfloor system or provide domestic hot water.

Heat pump uses a small amount of energy to move heat from one location to another, for every 1kW of electricity consumed by the heat pump it can produce 4kW of heat energy. This gives an efficiency of up to 400% sometimes stated as a Co-efficient Of Performance (COP) of 4:1.



THE ULTIMATE PACKAGE SOLUTION

AIR SOURCE HEAT PUMPS

ORDERING CODE	COMPONENT DESCRIPTION
KHP0041	Aeromax Plus Air Source Heat Pump 4kW
KHP0038	Aeromax Plus Air Source Heat Pump 6kW
KHP0039	Aeromax Plus Air Source Heat Pump 8kW
KHP0040	Aeromax Plus Air Source Heat Pump 12kW
KHP0042	Aeromax Plus Air Source Heat Pump 15kW



INSTALLATION PACK

To make the installation easier we've pulled together an installers pack containing items required for the installation of the domestic sizes of the Aeromax Plus Air Source Heat Pump range.



Flow setter



Flush & fill ports



Anti vibration pads



Diagnostic indicator



2 x 750mm flexible hoses including 90° elbow pre-insulated

ORDERING CODE	COMPONENT DESCRIPTION
KHP0029	4kW, 6kW & 8kW Installation Pack
KHP0030	12kW Installation Pack
KHP0026	15kW Installation Pack



A Plan diverter valve (heat pump specific)



Programmable room stat



7 day hot water programmer



2 x full bore isolating valve with lever arm



1 x system filter

ORDERING CODE	COMPONENT DESCRIPTION
KHP0023	1 x 25 Litre System Antifreeze Inhibitor - Clear



RECOMMENDED OPTIONAL EXTRAS

To assist in the installation we offer a wide range of accessories.

ORDERING CODE	COMPONENT DESCRIPTION
KHP0013	Wallbracket 90kg (fits 4kW, 6kW & 8kW units)
KHP0014	Wallbracket 140kg (fits 12kW & 15kW units)
KHP0016	Condensate tray for 4kW, 6kW & 8kW units
KHP0017	Condensate tray for 12kW & 15kW units
KHP0011	Guard for 4kW, 6kW & 8kW units
KHP0012	Guard for 12kW & 15kW units
KHP0008	Aeromax Plus advanced programmable controller
KHP0009	Weather sensor



Protective cage



Advanced programmable controller



Wall mounted bracket & condensate tray



Weather sensor

AEROMAX PLUS AIR SOURCE HEAT PUMP PACKAGE

ORDERING GUIDE

Each pack consists of Aeromax Plus heat pump, installation pack and antifreeze. Then simply add the Aerocyl cylinder for the complete package solution.

4 KW - HEAT PUMP PACK

ORDERING CODE	COMPONENT DESCRIPTION
KHP0041	Aeromax Plus Air Source Heat Pump 4kW
KHP0029	Installation Pack
KHP0023	1 x 25 litre system antifreeze inhibitor - Clear

6 KW - HEAT PUMP PACK

ORDERING CODE	COMPONENT DESCRIPTION
KHP0038	Aeromax Plus Air Source Heat Pump 6kW
KHP0029	Installation Pack
KHP0023	1 x 25 litre system antifreeze inhibitor - Clear

8 KW - HEAT PUMP PACK

ORDERING CODE	COMPONENT DESCRIPTION
KHP0039	Aeromax Plus Air Source Heat Pump 8kW
KHP0029	Installation Pack
KHP0023	1 x 25 litre system antifreeze inhibitor - Clear

Now just add your Aerocyl cylinder from Aerocyl section
(See page 36)



12 KW - HEAT PUMP PACK

ORDERING CODE	COMPONENT DESCRIPTION
KHP0040	Aeromax Plus Air Source Heat Pump 12kW
KHP0030	Installation Pack
KHP0023	1 x 25 litre system antifreeze inhibitor - Clear

15 KW - HEAT PUMP PACK

ORDERING CODE	COMPONENT DESCRIPTION
KHP0042	Aeromax Plus Air Source Heat Pump 15kW
KHP0026	Installation Pack
KHP0023	1 x 25 litre system antifreeze inhibitor - Clear

Now just add your Aerocyl cylinder from Aerocyl section
(See page 36)



THE ULTIMATE SOLAR & AIR SOURCE HEAT PUMP PACKAGE



Accredited
Installer Network



Design
Service



Training
Centre



Simple
Installation



Install
with Confidence



Service
Team



Sales Hotline: 0845 260 0258

Email: sales@kingspanhws.com

Web: www.kingspanhws.com

Design Service available

CYLINDERS & TANKS

Hot Water Cylinders

– Range	24
– Albion	34

Cold Water Tanks

– Ferham	42
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RANGE TRIBUNE HE S/STEEL UNVENTED CYLINDERS

RANGE

Tribune HE cylinders, manufactured from 'Duplex' stainless steel, offer the benefits of mains pressure hot water - powerful showers and fast filling baths, making them particularly suitable for use in properties with multiple bathrooms. They are extremely flexible in terms of siting and will furnish powerful mains pressure hot water to multiple points around the home. Fast reheat times and exceptionally low heat loss are just another of the benefits of these cylinders.

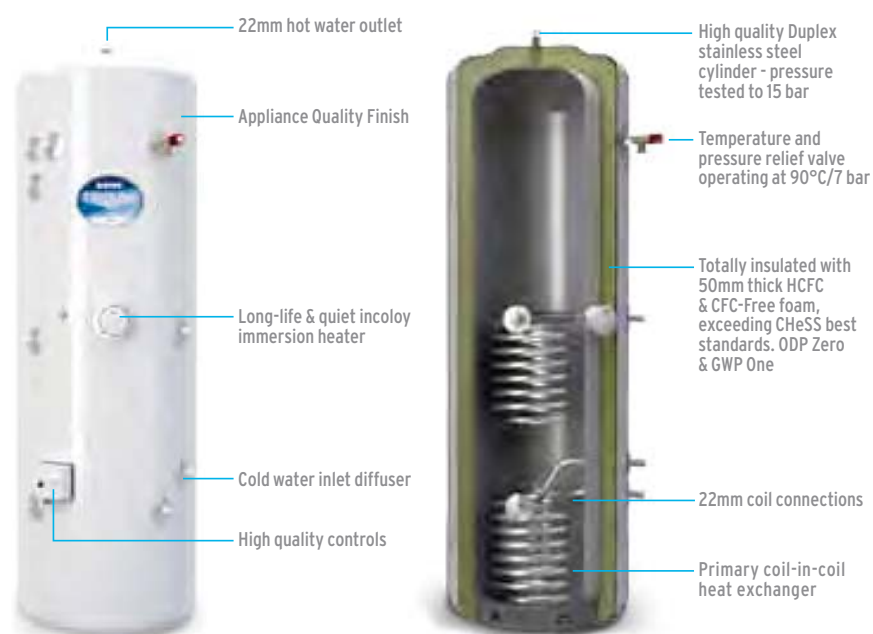
Slimline (reduced diameter) cylinders, as well as pre-plumbed models are also available. The range also includes solar units to use with renewable energy sources.

FITTINGS



FEATURES

- Duplex stainless steel for ultimate peace of mind.
- Superior corrosion resistance.
- Fully transferable 25-year guarantee.
- Low standing heat loss.
- High flow rate controls.
- Low running costs.
- Fast reheat and high insulation values.
- Environmentally friendly foam lagging.
- A complete package - just add pipework.



RANGE TRIBUNE - A CYLINDER FOR LIFE!

We combine the highest manufacturing standards with proven high grade 'Duplex' stainless steel, tried and tested valves, control sets and thermostats for top quality product inside and out.

DOMESTIC SELECTION GUIDE

These recommendations are based on the guidelines in BS 6700. Guidance should be sought for unusual applications, e.g. high flow rate showers, large baths etc.

HOT WATER DEMAND	BEDROOMS	INDIRECT	DIRECT
		UNITS	UNITS
1 Standard Bath	Bedsit/1 Bed	60/90	150
or Shower	2-3 Bed	120	180
	3-4 Bed	150	210
	2-3 Bed	120	180
1 Standard Bath	3-4 Bed	150	210
	2-3 Bed	150	210
	3-4 Bed	150	210
1 Bath and En-suite	4-5 Bed	180	250
	2-3 Bed	180	210
	3-4 Bed	180	210
2 Standard Baths	4-5 Bed	210	250
	3-4 Bed	250	300
	4-5 Bed	250	300
3 Bathrooms	5-6 Bed	300	300
	3-4 Bed	300	300

STEP UP TO POWERFUL HOT WATER



RANGE TRIBUNE HE S/STEEL UNVENTED CYLINDERS

RANGE

STANDARD CYLINDERS



TRIBUNE DIRECT

The **Tribune HE Direct model** is designed to heat water with electricity via 3 kW Long Life Incoloy immersion heater, which can be used in conjunction with 'low tariff electricity'. It can then be installed in all electric buildings and properties off the mains gas supply.

Direct units are suitable mainly for domestic use. Wide range of sizes available enables to meet various hot water demands and suit individual applications, from heating a single shower or bath, to providing enough hot water for up to three bathrooms.



TRIBUNE INDIRECT

The **Tribune HE Indirect model** is designed to heat water via specifically designed coil-in-coil heat exchanger with conventional gas, oil or electric boiler. It also has an immersion heater fitted for a back-up heating.

Indirect units are suitable for both domestic and commercial applications. Wide range of sizes available enables to meet various hot water demands from heating a single shower to providing enough hot water for sports pavilions or students houses.

SOLAR CYLINDERS



TRIBUNE SOLAR DIRECT

The **Tribune HE Direct (Single Coil) Solar cylinder** has been designed specifically with solar applications in mind. Featuring a purpose-designed solar coil, which allows maximum heat transfer of solar energy into the stored water, it is an efficient and environmentally friendly way of providing Domestic Hot Water.

When solar input does not fully meet the heating and hot water requirements, e.g. during winter months or on exceptionally cloudy and rainy day, the unit has two electric immersion heaters to meet the additional load. It is then suitable for use in areas that are not on the National Gas Grid and in all-electric buildings.



TRIBUNE SOLAR INDIRECT

The **Tribune HE Indirect (Twin Coil) Solar cylinder** has been designed specifically with solar applications in mind. This cylinder features a purpose-designed solar coil, which allows maximum heat transfer of solar energy into the stored water. It is suitable for use with wide range of solar systems and are efficient and environmentally friendly way of providing Domestic Hot Water.

Where Solar input does not fully meet the heating and hot water requirements, the cylinder uses input from the householders' traditional heat source of gas, oil or electric boiler to top up the temperature of stored water.

STANDARD CYLINDERS

DIRECT ORDERING CODE	INDIRECT ORDERING CODE	Capacity (Ltrs)	Height (mm)	Diameter (mm)
TD90	TI90	190	718	550
TD120	TI120	120	906	550
TD150	TI150	150	1093	550
TD180	TI180	180	1281	550
TD210	TI210	210	1469	550
TD250	TI250	250	1719	550
TD300	TI300	300	2032	550

SOLAR CYLINDERS

DIRECT ORDERING CODE	INDIRECT ORDERING CODE	Capacity (Ltrs)	Height (mm)	Diameter (mm)
TSS150	TT150	150	1093	550
TSS180	TT180	180	1281	550
TSS210	TT210	210	1469	550
TSS250	TT250	250	1719	550
TSS300	TT300	300	2032	550

RANGE TRIBUNE HE PRE-PLUMBED CYLINDERS



Tribune HE Pre-plumbed cylinders are designed to significantly reduce installation time (up to 70%) and increase the quality and integrity of the installation, which also results in an elimination of costly call-backs. What is more, these cylinders aid with Part P (electrical wiring) as an installer doesn't need an electrician on site.

They are available in a standard indirect format as well as indirect solar for use with a solar thermal input as a primary source of heating.



TRIBUNE HE PRE-PLUMBED CYLINDERS SINGLE ZONE HEATING

Tribune HE Pre-Plumbed Single Zone units are factory assembled and both pre-plumbed and pre-wired with 230V central heating controls, a pump, 2 x two port valves, an automatic bypass and a balancing valve. All units are also supplied with programmer, room stat and both central heating and hot water expansion vessel pack.



TRIBUNE HE PRE-PLUMBED CYLINDERS TWIN ZONE HEATING

Tribune HE Pre-Plumbed Twin Zone units are factory assembled and both pre-plumbed and pre-wired with all components featured on the Single Zone unit. In addition, Twin zone models come with an extra two port valve for underfloor heating and additional programmable room thermostat.

PRE-PLUMBED CYLINDERS

INDIRECT SINGLE ZONE ORDERING CODE	INDIRECT SOLAR SINGLE ZONE ORDERING CODE	INDIRECT TWIN ZONE ORDERING CODE	INDIRECT SOLAR TWIN ZONE ORDERING CODE	Capacity (Ltrs)	Height (mm)	Diameter (mm)
TI120P4	-	TI120PT4	-	120	906	550
TI150P4	-	TI150PT4	-	150	1093	550
TI180P4	TT180P4	TI180PT4	TT180PT4	180	1281	550
TI210P4	TT210P4	TI210PT4	TT210PT4	210	1469	550
TI250P4	TT250P4	TI250PT4	TT250PT4	250	1719	550
TI300P4	TT300P4	TI300PT4	TT300PT4	300	2032	550

FEATURES

- 7-day programmer and room thermostat with timed DHW control.
- Separate central heating and hot water zones.
- No maintenance three speed circulating pump.
- Automatic bypass valve for system efficiency.
- Load balancing valve for indirect coil efficiency.
- Plug-in electrical connections for all controls.

RANGE TRIBUNE HE PRE-PLUMBED CYLINDER CONTROLS

RANGE

TP9000

Supplied with all pre-plumbed models

- The TP9000 advanced controller now acts as programmer and room thermostat in a single unit.
- Reduced installation time.
- Fully compliant with Part L Building Regulations.
- This acts as a 'load compensator' and 'delayed start' device ensuring the boiler's 'ON' time is reduced to a minimum.
- These additional features score in SAP software by reducing both energy cost and carbon emissions.

TP5000Si

Supplied with twin zoned models

- Only Twin Zone models have built in 2nd heating zone valve, fully wired & plumbed.
- The additional TP5000 Si room thermostat provides programmable time and temperature control for the 2nd zone.
- Individual zones - allows flexible time programming and freedom to choose different temperatures at different times of the day.
- Additional SAP software benefits of 'Twin Zone' heating.
- Twin zone heating is compulsory in homes over 150 sq metres as per the Domestic Heating Compliance Guide.

TP5000Si

TP9000

RANGE TRIBUNE HE S/STEEL SLIMLINE CYLINDERS

The new family of **Tribune HE Slimline** cylinders have a nominal diameter of only 478mm. This reduced cylinder diameter means that the units can be installed in older buildings, where space is often restricted, so they can benefit from mains pressure hot water and enjoy modern-style showers and aerated mixer taps for the first time.



TRIBUNE HE SLIMLINE DIRECT

The **Tribune HE Direct Slimline unvented cylinder** has been designed to heat water with electricity via 3 kW Long Life Incoloy immersion heater, which can be used in conjunction with 'low tariff electricity'. The unit features all the endurance and performance characteristics of the standard Tribune direct cylinders but thanks to its smaller diameter it can be used in applications where standard model would simply not fit the space available.



SLIMLINE INDIRECT

The **Tribune HE Indirect Slimline unvented cylinder** has been designed for use with traditional boiler (gas, oil or electric). It also has an electric immersion heater fitted for a back-up heating.

Retaining all features and benefits of the standard Tribune indirect cylinders, thanks to its smaller diameter it can be used in wider range of applications where space is limited.

DIRECT ORDERING CODE	INDIRECT ORDERING CODE	Capacity (Ltrs)	Height (mm)	Diameter (mm)
TDS60	TIS60	60	673	478
TDS90	TIS90	90	1048	478
TDS120	TIS120	120	1236	478
TDS150	TIS150	150	1424	478
TDS180	TIS180	180	1647	478
TDS210	TIS210	210	1987	478

RANGE TRIBUNE HE ECOCYL S/STEEL UNVENTED CYLINDERS



The new eco-friendly family of cylinders, **Tribune Ecocyl**, has been designed to push the boundaries on heat loss and efficiency in performance. It features increased levels of insulation which results in lower heat loss from the stored water. This will assist developers further in the SAP calculations and Building Regulations compliance without any additional work or labour costs on site. The running costs will also be lower as stored water stays hot for longer so the boiler cycling 'on' and 'off' is kept to a minimum.



ECOCYL DIRECT

Ecocyl Direct has been designed to heat water with electricity via 3 kW Long Life Incoloy immersion heater, which can be used in conjunction with 'low tariff electricity'. It can then be installed in all electric buildings and properties off the mains gas supply.



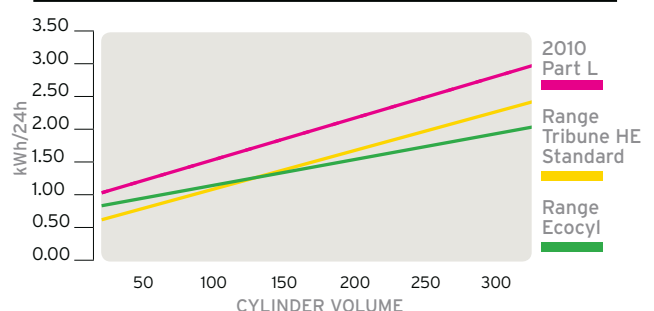
ECOCYL INDIRECT

The **Ecocyl Indirect** model has been designed to heat water via specifically designed coil-in-coil heat exchanger with conventional gas, oil or electric boiler. It also has an electric immersion heater fitted for a back-up heating.

ECOCYL UNVENTED CYLINDERS

DIRECT ORDERING CODE	INDIRECT ORDERING CODE	Capacity (Ltrs)	Diameter (mm)	Height (mm)	Heat Loss kWh/24h
TIS90ECO	TDS90ECO	90	550	1093	0.89
TIS120ECO	TDS120ECO	120	550	1281	0.96
TIS150ECO	TDS150ECO	150	550	1469	1.06
TIS180ECO	TDS180ECO	180	550	1719	1.19
TIS0210ECO	TDS210ECO	210	550	2032	1.36

HEAT LOSS COMPARISON CHART



RANGE STAINLESS STEEL VENTED CYLINDERS

RANGE

Range Stainless Vented and Supercal-SV units are high performance hot water cylinders featuring high recovery heat exchangers designed to reheat fast and retain the heat for long periods. Manufactured from Duplex stainless steel they feature an exceptional resistance to all forms of corrosion. They are direct equivalents to traditional copper vented cylinders.

RANGE SUPERCAL-SV

Range Supercal-SV are available in direct and indirect format. They feature environmentally friendly (CFC and HCFC-free) polyurethane foam lagging for low standing heat loss and are Part L1b Building Regulations compliant. Range Supercal-SV are covered by a 12-year guarantee against faulty materials or manufacture.

DIRECT ORDERING CODE	INDIRECT ORDERING CODE	Nominal Size (mm)	Actual Size (unlagged) (mm)	Capacity (Ltrs)
RSD004	RSN001	900x450	779x453	120
RSD005	RSN002	1050x450	966x453	150
RSD006	RSN003	1200x450	1154x453	180
RSD007	RSN004	1500x450	1342x453	210
RSD008	RSN005	1800x450	1592x453	250



RANGE STAINLESS VENTED

Range Stainless Vented are available in direct, indirect and twin coil models. They are encased in zintec corrosion proofed steel outer casing with durable oven-hardened white paint finish. Twin coil units can be used simultaneously with two boilers to achieve faster reheat times. They can also be used with renewable energy sources, such as solar thermal panels.



DIRECT & INDIRECT

DIRECT ORDERING CODE	INDIRECT ORDERING CODE	Capacity (Ltrs)	Height (mm)	Diameter (mm)
SI90	SD90	90	718	550
SI120	SD120	120	906	550
SI150	SD150	150	1093	550
SI180	SD180	180	1281	550
SI210	SD210	210	1469	550
SI250	SD250	250	1719	550
SI300	SD300	300	2032	550



TWIN COIL

ORDERING CODE	Capacity (Ltrs)	Height (mm)	Diameter (mm)
ST150	150	1093	550
ST180	180	1281	550
ST210	210	1469	550
ST250	250	1719	550
ST300	300	2032	550

Please note: Other sizes available on request. Call sales for more information.

RANGE COPPER HOT WATER CYLINDERS

RANGE

Range Cylinders manufacture copper cylinders and combination units in over 400 different sizes, types and styles. They are designed to heat up quickly and to retain their heat for long periods, offering a good economical system for domestic applications. Suitable for use in open vented hot water systems, they are available in three grades to suit working heads between 10 and 25m.

The product range includes cylinders and combination units in Direct and Indirect versions, manufactured also to Maxistore specification. Solar models to use with alternative energy sources are also available as well as thermal stores and complete plumbing units - Kernel.

**MANY
MORE
MODELS
AVAILABLE**

RANGE DIRECT



ORDERING CODE	Capacity (Ltrs)	Height (mm)	Diameter (mm)
RD0528	98	900	400
RD0141	116	1050	400
RD0277	86	675	450
RD0018	98	750	450
RD0128	109	825	450
RD0465	120	900	450
RD0305	144	1050	450
RD0097	166	1200	450
RD0374	210	1500	450
RD0231	200	1200	500
RD0359	255	1500	500

HERCAL INDIRECT



ORDERING CODE	Capacity (Ltrs)	Height (mm)	Diameter (mm)
RN0475	96	900	400
RN0256	114	1050	400
RN0022	84	675	450
RN0582	95	750	450
RN0285	106	825	450
RN0620	117	900	450
RN0082	140	1050	450
RN0444	162	1200	450
RN0357	206	1500	450
RN0381	190	1200	500
RN0084	245	1500	500

FORTIC



DIRECT F1 SUPER SEVEN ORDERING CODE	DIRECT F1 ORDERING CODE	INDIRECT F3 ORDERING CODE	Height (mm)	Diameter (mm)	Capacity HOT(Ltrs)	Capacity COLD (Ltrs)
	RC0257	RC0473	900	400	65	15
	RC0405	RC0325	900	450	85	20
	RC0106	RC0445	1075	450	115	20
RC0511	RC0541	RC0028	1200	450	115	40
		RC0531	1300	450	130	40
RC0005	RC0201	RC0012	1400	450	144	40
RC0147	RC0053	RC0004	1850	450	210	40

SUPER SEVEN DIRECT



ORDERING CODE	Capacity (Ltrs)	Height (mm)	Diameter (mm)
RD0014	120	900	450
RD0561	144	1050	450
RD0371	166	1200	450
RD0088	210	1500	450

SUPERCAL



ORDERING CODE	Capacity (Ltrs)	Height (mm)	Diameter (mm)
RN0400	96	900	400
RN0038	114	1050	400
RN0246	95	750	450
RN0548	117	900	450
RN0591	140	1050	450
RN0558	162	1200	450
RN0568	206	1500	450
RN0642	190	1200	500
RN0164	245	1500	500
RN0580	280	1200	600

RANGE COPPER HOT WATER CYLINDERS

RANGE



SOLARMAX

ORDERING CODE	Capacity (Ltrs)	Height (mm)	Diameter (mm)
RN0513	131	1200	400
RN0706	160	1200	450
RN0255	166	1500	400
RN0266	180	1350	450
RN0447	206	1500	450
RN0402	250	1800	450
RN0323	300	1800	500



KERNEL PLUMBING UNIT

ORDERING CODE	Capacity (Ltrs)	Height (mm)	Diameter (mm)
DIRECT			
RP0320	120	900	450
RP0769	144	1050	450
RP0812	210	1070	525
INDIRECT			
RP0338	117	900	450
RP0779	140	1050	450
RP0283	206	1070	525

RANGE COPPER FLOWMAX THERMAL STORES

**MANY
MORE
MODELS
AVAILABLE**

Flowmax is a thermal storage system, able to supply balanced mains pressure hot water with good flow rates to all terminal outlets whilst simultaneously providing a rapid response to space heating demands.

Flowmax combines the advantage of mains pressure hot water with the safety of traditional open vent storage in one versatile system. The units are supplied as a complete thermal storage system and are simple and easy to install.

A range of models are available to suit requirements of each individual application. Flowmax electric units are heated by two immersion heaters and provide hot water only. Boiler models are heated by gas or oil and in addition to hot water can also provide heat directly to space heating. Sealed primary system models are also available. They allow the radiators to be positioned above the cylinder.



FLOWMAX (By Capacity)

FLOWMAX ELECTRIC MODEL COMBI UNIT ORDERING CODE	FLOWMAX BOILER MODEL COMBI UNIT ORDERING CODE	FLOWMAX INDIRECT SEALED SYSTEM MODEL COMBI UNIT ORDERING CODE	Height (mm)	Diameter (mm)	Capacity (Ltrs)
RT0875	RT0880	RT0884	1240	450	140
RT0876	RT0881	RT0885	1400	450	160
RT0717	RT0711	RT0714	1550	450	180
RT0718	RT0712	RT0715	1700	450	210
RT0719	RT0713	RT0716	1995	450	250

KWIKCYL 24

**GUARANTEED NEXT
DAY DELIVERY OF ANY
COPPER CYLINDER**

IT'S THIS SIMPLE

- 1** Simply fill in the fax back form ticking cylinder type boxes and sketching boss positions etc.
- 2** Fax the form to us on the freephone/fax number:
0800 169 3618
before 1:00pm
- 3** Wait for your guaranteed delivery
NEXT WORKING DAY!



RANGE

Albion

FREEFONE/FREEFAX
0800 169 3618

ALBION ULTRASTEEL S/STEEL UNVENTED CYLINDERS

Albion
Exceeding the Standard

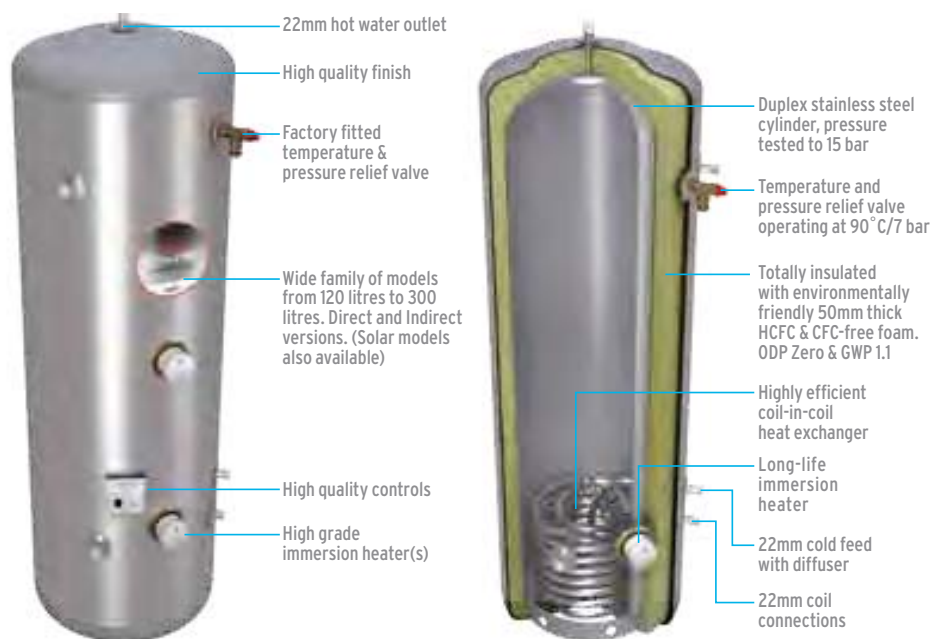
Albion Ultrasteel unvented cylinders are manufactured from Duplex stainless steel, featuring superior corrosion resistance. They offer high flow rates for powerful showers and fast filling baths. As a result they provide mains pressure hot water around the home, which makes them suitable for use in buildings with multiple bathrooms. They offer fast reheat times and minimal heat loss from the stored water. The range comprises of Direct and Indirect models in a variety of sizes, including solar units to use with renewable energy sources. They are all supplied as a complete package, which includes all components required to complete the installation.

FITTINGS



FEATURES

- Duplex stainless steel for ultimate peace of mind.
- 25-year guarantee on stainless shell inner container.
- High flow rate controls - ideal for multiple bathrooms and powerful showers.
- Fast reheat and high insulation values resulting in high efficiency.
- A complete package - just add pipework.
- Direct and Indirect models.
- 6 sizes: 120-300 litres.
- Solar models also available.
- All components carry a 2 year guarantee.



QUALITY INSIDE AND OUT

We've combined the highest manufacturing standards with proven high grade 'Duplex' stainless steel, tried and tested valves, control sets and thermostats for top quality product inside and out.

DOMESTIC SELECTION GUIDE

These recommendations are based on the guidelines in BS 6700. Guidance should be sought for unusual applications, e.g. high flow rate showers, large baths etc.

HOT WATER DEMAND	BEDROOMS	INDIRECT	DIRECT
		UNITS	UNITS
1 Standard Bath or Shower	Bedsit/1 Bed	120	150
	2-3 Bed	120	180
	3-4 Bed	150	210
1 Standard Bath	2-3 Bed	120	180
	3-4 Bed	150	210
1 Bath and En-suite	2-3 Bed	150	210
	3-4 Bed	150	210
	4-5 Bed	180	250
2 Standard Baths	2-3 Bed	180	210
	3-4 Bed	180	210
	4-5 Bed	210	250
3 Bathrooms	3-4 Bed	250	300
	4-5 Bed	250	300
	5-6 Bed	300	300



ULTRASTEEL DIRECT CYLINDER

The **Albion Ultrasteel Direct** model is designed to heat water with electricity via 3 kW Long Life Incoloy immersion heater, which can be used in conjunction with 'low tariff electricity'.

Direct units are suitable mainly for domestic use. Wide range of sizes available enables to meet various hot water demands and suit individual applications, from heating a single shower or bath, to providing enough hot water for up to three bathrooms.



ULTRASTEEL INDIRECT CYLINDER

The **Albion Ultrasteel Indirect** model is designed to heat water via specifically designed coil-in-coil heat exchanger with conventional gas, oil or electric boiler. It also has an immersion heater fitted for back-up water heating.

Indirect units are suitable for both domestic and commercial applications. Wide range of sizes available enables to meet various hot water demands from heating a single shower to providing enough hot water for sports pavilions or students houses.



ULTRASTEEL DIRECT SOLAR CYLINDER

The **Ultrasteel Direct (Single Coil) Solar** cylinder has been designed specifically with solar applications in. Featuring a purpose-designed solar coil, which allows maximum heat transfer of solar energy into the stored water, it is an efficient and environmentally friendly way of providing Domestic Hot Water.

When solar input does not fully meet the heating and hot water requirements, e.g. during winter months or on exceptionally cloudy and rainy day, the unit has two electric immersion heaters to meet the additional load. It is then suitable for use in areas that are not on the National Gas Grid and in all-electric buildings.



ULTRASTEEL INDIRECT SOLAR CYLINDER

The **Ultrasteel Indirect (Twin Coil) Solar** cylinder has been designed specifically with solar applications in mind. This cylinder features a purpose-designed solar coil, which allows maximum heat transfer of solar energy into the stored water. It is suitable for use with wide range of solar systems and are efficient and environmentally friendly way of providing domestic hot water.

Where Solar input does not fully meet the heating and hot water requirements, the cylinder uses input from the householders' traditional heat source of gas, oil or electric boiler to top up the temperature of stored water.

ALBION ULTRASTEEL UNVENTED CYLINDERS

DIRECT ORDERING CODE	INDIRECT ORDERING CODE	DIRECT SOLAR ORDERING CODE	INDIRECT SOLAR ORDERING CODE	Capacity (Ltrs)	Diameter (mm)	Height (mm)
AUD120	AUI120	-	-	120	550	906
AUD150	AUI150	-	-	150	550	1093
AUD180	AUI180	AUSD180	AUSI180	180	550	1281
AUD210	AUI210	AUSD210	AUSI210	210	550	1469
AUD250	AUI250	AUSD250	AUSI250	250	550	1719
AUD300	AUI300	AUSD300	AUSI300	300	550	2032

AEROCYL UNVENTED HOT WATER CYLINDER FOR HEAT PUMP AND SOLAR INPUT

Albion
Exceeding the Standard

Albion Aerocyl and Aerocyl Plus are the new unvented hot water storage systems that have been designed specifically to be installed in conjunction with a heat pump only or a solar thermal system and additional input from a heat pump. Fast flow rates, quick recovery coils and the use of an external expansion vessel to reduce maintenance are just a few of the features of Aerocyl family.

Manufactured from high grade copper or 'Duplex' stainless steel for excellent corrosion resistance, Aerocyl cylinders also feature energy efficient and environmentally friendly foam insulation for low standing heat loss.

Aerocyl cylinders can be linked to most heat pump and solar thermal systems available on the market and will provide you with both domestic hot water and space heating (through traditional radiators or underfloor heating).

FITTINGS



Expansion Vessel



Acetal tundish



Incoloy long life
3 kW immersion
heater



Temperature and
pressure relief
valve



Dual thermostat



High flow rate
inlet control set



Two port valve

FEATURES

- Mains pressure hot water providing powerful showers.
- The cylinders high flow rates are ideal for multiple bathrooms allowing baths to fill very quickly.
- Fast reheat and high efficiency makes hot water always available.
- Very well insulated resulting in low heat loss.
- Economical to run.
- 5 sizes: From 150-300 litres.
- Available in high grade copper or Duplex stainless steel.



MONOVALENT HEATING SYSTEM

In monovalent system both space heating and hot water are provided by only one source of heating, i.e. a heat pump. In this case a single coil (heat pump only) Aerocyl or Aerocyl Plus will be used.

This system is ideal for new build, well insulated properties or retrofitting into highly insulated existing dwellings with low temperature space heating requirements.



BIVALENT AND INTEGRATED SYSTEMS

A bivalent heating system is one in which the heating is supplied by two different types of heat sources, i.e. a heat pump and a solar thermal system. In such systems a twin coil (heat pump and solar input) Aerocyl or Aerocyl Plus will be installed.

This system is ideally suited for retrofitting into existing properties as it allows householder's traditional gas, oil or electric boiler to be retained for back up or additional heating.





AEROCYL & AEROCYL PLUS HEAT PUMP ONLY CYLINDERS

Heat Pump Only (single coil) cylinders have been specifically designed for use in conjunction with a heat pump as the main source of energy. Featuring a purpose-designed coil, which allows maximum heat transfer of renewable energy into the stored water, the cylinders are suitable for use with a wide range of heat pumps available in the UK and are the perfect partners for the Aeromax Plus Air Source Heat Pumps.

Where the input from a heat pump is not sufficient to heat the water to desired temperature, an electric immersion heater can be used to top it up.



AEROCYL & AEROCYL PLUS HEAT PUMP AND SOLAR INPUT CYLINDERS

Heat Pump and Solar Input (twin coil) cylinders have been designed for use with solar thermal applications complimenting the heat pump. Featuring a purpose-designed solar coil allowing maximum heat transfer of solar energy into the stored water, the cylinders are suitable for use with a wide range of solar systems and are an efficient and environmentally friendly way of providing hot water.

They are designed to accept heat input from a solar thermal system as a primary source of heat. Where this input does not fully meet the desired temperature, a guaranteed quantity of water can be heated to an acceptable temperature by the heat pump and/or immersion heater. Connection to any other source of heat, e.g. traditional boiler, is not acceptable.

AEROCYL AND AEROCYL PLUS HEAT PUMP (Single Coil)

COPPER ORDERING CODE	STAINLESS STEEL ORDERING CODE	Capacity (Ltrs)	Diameter (mm)	Height (mm)
AAU150C	HP150	150	550	1128
AAU180C	HP180	180	550	1322
AAU210C	HP210	210	550	1515
AAU250C	HP250	250	550	1772
AAU300C	HP300	300	550	2096

AEROCYL AND AEROCYL PLUS HEAT PUMP AND SOLAR (Twin Coil)

COPPER ORDERING CODE	STAINLESS STEEL ORDERING CODE	Capacity (Ltrs)	Diameter (mm)	Height (mm)
AAUS180C	HPS180	180	550	1322
AAUS210C	HPS210	210	550	1515
AAUS250C	HPS250	250	550	1772
AAUS300C	HPS300	300	550	2096

ALBION COPPER HOT WATER CYLINDERS



Albion Water Heaters, part of Kingspan Environmental, manufacture copper cylinders and thermal stores for domestic hot water storage in a variety of sizes and patterns. The cylinders are specially designed for use in traditional open vented hot water systems. They are designed to heat up quickly and to retain their heat for long periods. Albion copper cylinders are available in various combinations of connections to suit individual requirements. Range of products includes Centurion Eco and Superduty HE Eco - indirect twin coil cylinders designed for use with renewable energy sources, such as solar.

The cylinders are available with 35mm of environmentally friendly foam lagging as standard and are Part L1b compliant, therefore suitable for replacement only. On request, most of the cylinders can be supplied with 50mm thick insulation. These units are then suitable for fitting into both new build and existing properties.



BRITISH STANDARD DIRECT

ORDERING CODE	Height (mm)	Diameter (mm)	Capacity (Ltrs)
AD0201	900	400	98
AD0054	1050	400	116
AD0028	675	450	86
AD0004	750	450	98
AD0021	825	450	109
AD0153	900	450	120
AD0350	1050	450	144
AD0103	1200	450	166
AD0316	1500	500	255



BRITISH STANDARD INDIRECT

ORDERING CODE	Height (mm)	Diameter (mm)	Capacity (Ltrs)
AN0171	900	400	96
AN0191	1050	400	114
AN0082	675	450	84
AN0180	750	450	95
AN0107	825	450	106
AN0043	900	450	117
AN0127	1050	450	140
AN0228	1200	450	162
AN0134	1500	500	245



BRITISH STANDARD TWIN COIL CYLINDERS*

ORDERING CODE	Height (mm)	Diameter (mm)	Capacity (Ltrs)
AN0377	1050	400	112
AN0295	750	450	92
AN0355	900	450	114
AN0287	1050	450	136
AN0073	1200	450	158
AN0070	1500	500	235

*Not suitable for solar



SUPERDUTY MULTICOIL CYLINDERS

ORDERING CODE	Height (mm)	Diameter (mm)	Capacity (Ltrs)
AN0253	600	350	45
AN0226	750	400	80
AN0430	900	450	120
AN0236	1050	450	140
AN0365	1200	450	160
AN0389	1350	450	180
AN0282	1500	450	210

Please note: Other sizes available on request. Call sales for more information.

MAXISTORE DIRECT AND INDIRECT COMBI CYLINDERS



ORDERING CODE	Height (mm)	Diameter (mm)	Capacity (Ltrs)	
			HOT	COLD
DIRECT				
AC0162	1200	450	120	40
AC0313	1400	450	144	40
AC0093	1600	450	160	40
AC0213	1850	450	210	40
INDIRECT				
AC0351	1200	450	120	40
AC0055	1400	450	144	40

DIRECT AND INDIRECT COMBI UNITS



ORDERING CODE	Height (mm)	Diameter (mm)	Capacity (Ltrs)	
			HOT	COLD
DIRECT				
AC0416	900	400	65	15
AC0106	900	450	85	20
AC0250	1050	450	115	20
AC0219	1200	450	120	40
AC0205	1400	450	144	40
AC0394	1600	450	160	40
AC0249	1850	450	210	40
INDIRECT				
AC0123	900	400	65	15
AC0300	900	450	85	20
AC0090	1050	450	115	20
AC0052	1200	450	120	40
AC0021	1400	450	144	40
AC0396	1600	450	160	40
AC0417	1850	450	210	40

MAXISTORE DIRECT AND INDIRECT CYLINDERS



ORDERING CODE	Height (mm)	Diameter (mm)	Capacity (Ltrs)
DIRECT			
AD0084	900	450	120
AD0187	1050	450	144
AD0042	1500	450	210
INDIRECT			
AN0259	900	450	117
AN0369	1050	450	140
AN0793	1500	450	206

CENTURION ECO CYLINDERS



ORDERING CODE	Height (mm)	Diameter (mm)	Capacity (Ltrs)
AN0128	1200	400	135
AN0178	1500	400	170
AN0003	1050	450	140
AN0312	1200	450	160
AN0285	1350	450	180
AN0167	1500	450	210
AN0378	1800	450	245
AN0077	1200	500	200
AN0164	1350	500	230
AN0307	1500	500	250

IC10 INTEGRATED COMBI UNITS



ORDERING CODE	Height (mm)	Diameter (mm)	Capacity (Ltrs)	
			HOT	COLD*
AC0329	1125	450	85	20
AC0802	1319	450	115	20
AC0163	1480	450	140	20
AC0803	1738	450	140	40

SUPERDUTY HE ECO CYLINDERS



ORDERING CODE	Height (mm)	Diameter (mm)	Capacity (Ltrs)
AN0344	1200	400	135
AN0023	1500	400	170
AN0092	1050	450	140
AN0008	1200	450	160
AN0016	1350	450	180
AN0317	1500	450	210
AN0222	1800	450	245
AN0437	1200	500	200
AN0185	1350	500	230
AN0118	1500	500	250

Please note: Other sizes available on request. Call sales for more information.

*Refers to each cistern

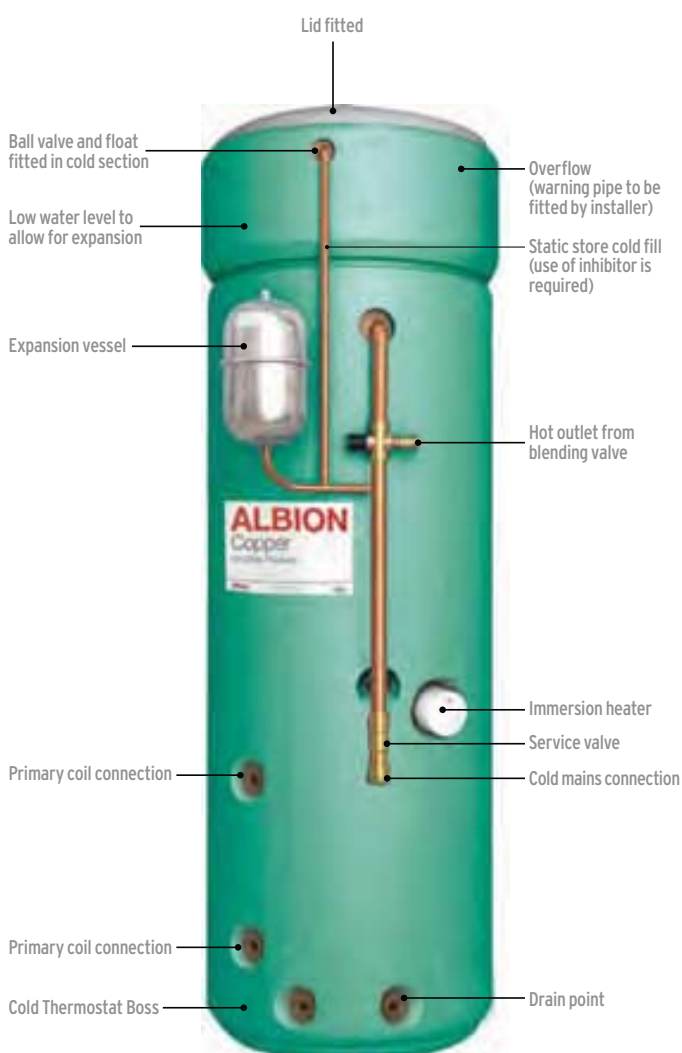
ALBION COPPER MAINSFLOW THERMAL STORE

Albion
Exceeding the Standard

Mainsflow is a quick and easy to install thermal storage system that combines the advantages of mains pressure hot water with the safety of traditional open vent storage.

Mainsflow Contractor can be used to provide interior space heating and hot water at a controlled temperature of up to 55°C with flow rates of up to 30 litres per minute. It can be linked to a traditional boiler or alternative energy sources, e.g. solar or solid fuel.

Mainsflow Electric Contractor is specifically designed for properties, where a gas or oil supply is not available. It is the ideal choice for flats, apartments and all-electric buildings.



MAINSFLOW ELECTRIC

ORDERING CODE	Height (mm)	Diameter (mm)	Capacity (Ltrs)
AT0804	1240	450	140
AT0805	1400	450	160
AT0717	1550	450	180
AT0718	1700	450	210
AT0719	1995	450	250



MAINSFLOW CONTRACTOR INDIRECT COMBI

ORDERING CODE	Height (mm)	Diameter (mm)	Capacity (Ltrs)
AT0821	1240	450	140
AT0822	1400	450	160
AT0714	1550	450	180
AT0715	1700	450	210
AT0716	1995	450	250



MAINSFLOW CONTRACTOR DIRECT COMBI

ORDERING CODE	Height (mm)	Diameter (mm)	Capacity (Ltrs)
AT0825	1240	450	140
AT0826	1400	450	160
AT0711	1550	450	180
AT0712	1700	450	210
AT0713	1995	450	250



MAINSFLOW CONTRACTOR DIRECT

ORDERING CODE	Height (mm)	Diameter (mm)	Capacity (Ltrs)
AT0823	1050	450	140
AT0824	1200	450	160
AT0769	1350	450	180
AT0770	1500	450	210
AT0771	1800	450	250



MAINSFLOW CONTRACTOR INDIRECT

ORDERING CODE	Height (mm)	Diameter (mm)	Capacity (Ltrs)
AT0807	1050	450	140
AT0808	1200	450	160
AT0772	1350	450	180
AT0773	1500	450	210
AT0774	1800	450	250

FEATURES

- Mains fed hot water throughout the home.
- No tanks in the loft.
- Flow rate more than double most combination boilers.
- Hot water temperature of 55°C.
- Mains pressure showering without a pump.

ALBION STAINLESS VENTED CYLINDERS

Albion Stainless Vented are high performance hot water cylinders featuring high recovery heat exchangers designed to reheat fast and retain the heat for long periods. Manufactured from 'Duplex' stainless steel they feature an exceptional resistance to all forms of corrosion.

Albion Stainless Steel Vented are available in direct and indirect format. They feature environmentally friendly foam lagging for low standing heat loss. The cylinders are Part L1b Building Regulations compliant and are direct equivalents to traditional copper vented cylinders.



STAINLESS DIRECT VENTED CYLINDER

ORDERING CODE	Nominal Size (mm)	Actual Size (unlagged) (mm)	Capacity (Ltrs)
ASD001	750x450	669x453	100
ASD002	900x450	779x453	120
ASD003	1050x450	966x453	150
ASD004	1200x450	1154x453	180
ASD005	1500x450	1342x453	210
ASD006	1800x450	1592x453	250



STAINLESS INDIRECT VENTED CYLINDER

ORDERING CODE	Nominal Size (mm)	Actual Size (unlagged) (mm)	Capacity (Ltrs)
ASN007	750x450	669x453	100
ASN008	900x450	779x453	120
ASN009	1050x450	966x453	150
ASN010	1200x450	1154x453	180
ASN011	1500x450	1342x453	210
ASN012	1800x450	1592x453	250

FERHAM COLD WATER TANKS



Ferham Cold Water Tanks represent the most comprehensive and robust range of cisterns available in the UK. Designed with built-in strengthening ribs making them virtually indestructible, they are available in a wide range of storage sizes.

The minimum product standard is a KIWA approval with the 'K' range kitemarked to BS4213:2004.

The range is available with the option of purchasing all items separately or as one combined Byelaw Kit. Also available is the option of the Total Tank Kit including all components for the complete installation.

OPEN TANK RECTANGULAR STACKABLE (Kitemarked to BS4213:2004)

					
CODE: KR4	CODE: K15R	CODE: K20R	CODE: K25R	CODE: K40R	CODE: K50R
Capacity 18 L/ 4 Gals	Capacity 68 L/ 15 Gals	Capacity 91 L/ 20 Gals	Capacity 114 L/ 25 Gals	Capacity 182 L/ 40 Gals	Capacity 227 L/ 50 Gals
Length 442 mm Width 296 mm Height 305 mm	Length 600 mm Width 425 mm Height 425 mm	Length 665 mm Width 490 mm Height 510 mm	Length 736 mm Width 584 mm Height 533 mm	Length 940 mm Width 610 mm Height 590 mm	Length 1155 mm Width 635 mm Height 600 mm

OPEN TANK RECTANGULAR STACKABLE

					
CODE: PC4R	CODE: PC15R	CODE: PC20R	CODE: PC25R	CODE: PC40R	CODE: PC50R
Capacity 18 L/ 4 Gals	Capacity 68 L/ 15 Gals	Capacity 91 L/ 20 Gals	Capacity 114 L/ 25 Gals	Capacity 182 L/ 40 Gals	Capacity 227 L/ 50 Gals
Length 442 mm Width 296 mm Height 305 mm	Length 600 mm Width 425 mm Height 425 mm	Length 665 mm Width 490 mm Height 510 mm	Length 736 mm Width 584 mm Height 533 mm	Length 940 mm Width 610 mm Height 590 mm	Length 1155 mm Width 635 mm Height 600 mm

SPECIALIST SIZES

					
CODE: FCR100/70	CODE: FCR150/100	CODE: FCGR9	CODE: FCGR10	CODE: FCGR11	CODE: FCGR12
Capacity 350 L/ 70 Gals	Capacity 455 L/ 100 Gals	Capacity 41 L/ 9 Gals	Capacity 45 L/ 10 Gals	Capacity 50 L/ 11 Gals	Capacity 54 L/ 12 Gals
Length 1290 mm Width 755 mm Height 647 mm	Length 1480 mm Width 838 mm Height 698 mm	Length 635 mm Width 432 mm Height 381 mm	Length 521 mm Width 381 mm Height 457 mm	Length 470 mm Width 470 mm Height 470 mm	Length 610 mm Width 305 mm Height 508 mm

ENCLOSED RANGE (All feature integral lids)

**CODE: FCGR25**

Capacity 114 L/
25 Gals
Length 685 mm
Width 508 mm
Height 572 mm

**CODE: FCGR40**

Capacity 182 L/
40 Gals
Length 762 mm
Width 610 mm
Height 660 mm

**CODE: FCGR50**

Capacity 218 L/
48 Gals
Length 965 mm
Width 635 mm
Height 610 mm

**CODE: FCR175**

Capacity 795 L/
175 Gals
Length 1207 mm
Width 1207 mm
Height 876 mm

**CODE: FCGR20SQ**

Capacity 91 L/
20 Gals
Length 508 mm
Width 508 mm
Height 508 mm

OPEN TOP CIRCULAR

**CODE: PC25C**

Capacity 114 L/
25 Gals
Diameter 686 mm
Height 533 mm

**CODE: PC50C**

Capacity 227 L/
50 Gals
Diameter 838 mm
Height 610 mm

**CODE: AX50**

Capacity 227 L/
50 Gals
Diameter 838 mm
Height 625 mm

**CODE: PC100C**

Capacity 455 L/
100 Gals
Diameter 1041 mm
Height 787 mm

LOW LEVEL COFFIN TANKS

**CODE: LT25**

Capacity 114 L/
25 Gals
Length 1120 mm
Width 490 mm
Height 395 mm

**CODE: LT40**

Capacity 182 L/
40 Gals
Length 1562 mm
Width 457 mm
Height 495 mm

**CODE: LT50**

Capacity 227 L/
50 Gals
Length 1420 mm
Width 530 mm
Height 490 mm

**CODE: LT100**

Capacity 455 L/
100 Gals
Length 1790 mm
Width 644 mm
Height 590 mm

**CODE: FCGR15**

Capacity 68 L/
15 Gals
Length 660 mm
Width 483 mm
Height 457 mm

**CODE: FCGR18**

Capacity 82 L/
18 Gals
Length 635 mm
Width 508 mm
Height 508 mm

**CODE: FCGR21**

Capacity 82 L/
18 Gals
Length 635 mm
Width 406 mm
Height 406 mm

**CODE: FCGR34**

Capacity 136 L/
30 Gals
Length 635 mm
Width 635 mm
Height 610 mm

ACCESSORIES LIST FOR ALL TANKS

- Lid.
- 60mm fibreglass filled lagging jackets and ties.
- Ball valve backing plate.
- Byelaw 30 fittings kit.
- Byelaw 60 fittings kit.
- Total tank kits.

**TTK**

TOTAL TANK KIT ACCESSORIES LIST

- Lid.
- Part 2 ball valve & 4½" float.
- Ball valve backing plate.
- 22mm compression tank connector.
- Byelaw 30 fittings kit.
- 15mm x ½" angled service valve.
- Insulation jacket and ties.



Sales Hotline:

028 3836 4444

Email:

enquiry@kingspanwater.com

Web:

www.kingspanwater.com

Parts & Spares Available 24/7:

www.kingspanservice.com

Design Service available

RAINWATER HARVESTING AND WATER STORAGE

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RAINTRAP - BELOW GROUND RAINWATER STORAGE & DELIVERY SYSTEM

A cost-effective rainwater system designed to make garden watering simple

The **RainTrap system** comprises of a filter, an underground storage tank and a pump. Rainwater runs down the roof and into the guttering and downpipes in the normal way before passing through the filter, which removes any leaves or debris. Rainwater is stored in the underground tank from which it is pumped at a constant pressure to a garden sprinkler or hose as required.

The RainTrap has many advantages over traditional garden waterbutts. In addition to being able to store far larger quantities of water, it removes the need to carry water around and does not flood when full, since the excess water exits via a soakaway or surface water drain.



FEATURES

- Easy to install.
- Inexpensive.
- Simple on / off operation.
- Suitable for existing and new homes.
- Automatic rainwater diversion when tank reaches full capacity.
- Available in a variety of sizes from 2,800-4,600 litres.
- Internal self-cleaning leaf filter.
- Designed and manufactured in the UK.

USES

- Garden watering.
- Horticultural sprinkling.
- Small vehicle washing.

APPLICATIONS

- Domestic.
- Horticulture.
- Garden centres Features.

SYSTEM CONTENT

- Pump power switch.
- Pumped Water to required application, e.g. garden hose, power washer, sprinkler system.
- Rainwater Inlet (110ml).
- Submersible Pump.
- Waste water / overflow outlet (110ml).
- Leaf Filter.
- Safety manhole cover.

DOMESTIC RAINTRAP

ORDERING CODE	Capacity (Ltrs)	Diameter (mm)	Height (Base to outlet) (mm)
RT2800	2800	1905	1565
RT3800	3800	2070	1795
RT4600	4600	2080	2035

AQUABANK

An economical rainwater harvesting system for single and multi-residential applications



TYPICAL AREAS OF APPLICATION

Residential developments and social housing schemes

AquaBank is a range of simplified rainwater harvesting systems controlled by a pump, suitable for either direct or gravity fed applications. Operation of the system does not require a control panel, display panel or depth sensor.

FEATURES

- Simplified system design for rapid installation.
- Quick-start set-up procedure.
- 'Kit in a box' of key components.
- Delivered to site on single pallet.
- Easy conversion to gravity system with header tank.
- Minimal energy use in operation.
- Designed in accordance with BS 8515.



SYSTEM OF PARTS (Direct or Gravity)

- Intelligent pump
- Pump filter
- 3m supply hose
- In-line filter
- Solenoid*
- Tundish*

*Direct system only

DIRECT SYSTEM

ORDERING CODE	Capacity (Ltrs)
AQB012DKSW	1200
AQB028DKSW	2800
AQB038DKSW	3800
AQB046DKSW	4600
AQB060DKSW	6000

GRAVITY SYSTEM

ORDERING CODE	Capacity (Ltrs)
AQB012GKSW	1200
AQB028GKSW	2800
AQB038GKSW	3800
AQB046GKSW	4600
AQB060GKSW	6000



HEADER TANK (to complete your system)

- Pre-assembled
- Optional fitment
- Top-up float*
- Shut-off valve
- Bag of fixings
- Manuals

*Direct system only

ORDERING CODE	Capacity (Ltrs)
RWHT054	50
HTD0100	100
HTD0150	150

DOMESTIC ENVIREAU RAINWATER HARVESTING

Fully Integrated Rainwater Harvesting Systems for homes

The KingspanWater **Domestic Envireau Rainwater Harvesting system** has been designed as a low cost installation for self-build projects and residential developments. It works by taking the rain from your roof gutters, filtering out leaves and debris and storing the water in an underground tank. This is then pumped into the house to be used for non-potable applications such as toilet flushing, washing machines and garden use. If the tank runs empty, the system automatically switches to mains supply.



ENVIREAU GRAVITY SYSTEM

The **Envireau Gravity System** is ideal for domestic applications which use an elevated header tank to store filtered water after the main tank. It has a major advantage in that in the event of a power failure on site (or the rain stocks running dry) the system will automatically switch to mains water supply to ensure a continuity of service. The water from the header tank will flow by gravity to the serviced appliances. The system will always draw from the rainwater supply first.

GRAVITY SYSTEM

ORDERING CODE	Roof Size (Rec.) (m ²)	Diameter (mm)	Height (mm)	Length (mm)	Inlet & Outlet Invert (mm)
ENVG060KSW	60	1350	2200	1700	500-800
ENVG100KSW	100	1700	2443	2000	500-900
ENVG150KSW	150	1800	2543	2400	500-900
ENVG200KSW	200	2070	2793	2400	500-900



ENVIREAU DIRECT SYSTEM

The **Envireau Direct System** is used where it is impractical to have a header tank for example in homes that have converted attic spaces and no room for a header tank. Therefore the filtered rainwater is pumped direct from the holding tank to the various appliances. The main advantage of this system is that rainwater is delivered to the appliances at mains pressure or higher.

DIRECT SYSTEM

ORDERING CODE	Roof Size (Rec.) (m ²)	Diameter (mm)	Height (mm)	Length (mm)	Inlet & Outlet Invert (mm)
ENVD060KSW	60	1350	2200	1700	500-800
ENVD100KSW	100	1700	2443	2000	500-900
ENVD150KSW	150	1800	2543	2400	500-900
ENVD200KSW	200	2070	2793	2400	500-900

USES FOR BOTH SYSTEMS

- WC and urinal flushing
- Irrigation and landscape watering
- Garden watering
- Vehicle washing
- Domestic laundry



FULL SYSTEM COMPONENTS

THE ENVIREAU CAN BE CONFIGURED AS A DIRECT OR GRAVITY SYSTEM

- 1 KingspanWater Polyethylene Underground Storage Tank suitable for the 60m² to 200m² roof areas. Suitable for pea shingle back fill in dry site conditions. (Note: for larger roof area suitable tanks are available).
- 2 Internal Self Cleaning Rainwater Filter.
- 3 Stainless Steel Multi-stage Submersible Pump with fixed filter and 50m Cable Length are fixed on all units.
- 4 Envireau Control and Display Panel (controls the stopping and starting of the pump).
- 5 WaveGuide Depth Sensor (which measures the depth of water and relays the information back to the main control panel). This activates the mains water supply when required and disables the pump when water levels in the tank are running low (for Direct only).
- 6 Manhole cover.



OPTIONAL - HEADER TANK FOR GRAVITY SYSTEM

Header Tank

ORDERING CODE	Capacity (Ltrs)
RWHT054	50
HTD0100	100
HTD0150	150

DOMESTIC RAINSTORE WATERBUTTS

Rainwater harvesting isn't just for new build projects. Systems can just as easily be installed into existing homes. In short, if you have got a roof, you can harvest rainwater! Thousands of homeowners already harvest rainwater by connecting a water butt to their gutter's downpipe. The rainwater that is captured is naturally clean, soft with a near neutral PH content, not to mention free from the chemical treatments found in mains tap water. Plants love it.

WATERBUTT ACCESSORIES

RAINSTORE CONNECTOR KIT

The RainStore Connector Kit includes 2 tank connectors and a 500mm long connecting hose. Also available with a 32mm diameter connecting hose.

RAINSTORE DIVERTER KIT

The RainStore Diverter Kit is designed to prevent overfilling and it fits all standard 65mm square or 68mm.

RSF80 - COMBINED FILTER, DIVERTER AND CONNECTION KIT

Overflow function suitable for downpipes with diameter 68mm to 110mm and also all square downpipes from 65mm to 75mm.



CODE: RSP700

Capacity	270 Ltrs
Length	1550 mm
Height	978 mm
Depth	650 mm



CODE: RSP1000

Capacity	2100 Ltrs
Diameter	1050 mm
Height	1400 mm



Both RSP700 and RSP1000 garden irrigation tanks come complete with Hoselock Pump and connections.



CODE: RS280

Capacity	280 Ltrs
Diameter	660 mm
Height	848 mm



CODE: RS333CR

Capacity	333 Ltrs
Diameter	600 mm
Height	1635 mm

(Also available in green)



CODE: RS700

Capacity	700 Ltrs
Length	1550 mm
Height	978 mm
Depth	650 mm

Diverter Kit supplied as standard only with the Grand Range

RAINSTORE HOUSE

Retrofit rainwater harvesting system for domestic properties

FEATURES

- Simplified system design for rapid installation.
- Quick-start set-up procedure.
- 'Kit in a box' of key components.
- Delivered to site on single pallet.
- Minimal energy use in operation.
- Designed in accordance with BS 8515.



RainStore House is a simplified rainwater harvesting system controlled by a pump, suitable for direct feed applications. Operation of the system does not require a control panel, display panel or depth sensor.



ORDERING CODE: RSH090

Capacity	1000 Ltrs/
Width	1060 mm
Height	1470 mm

DOMESTIC RAINSTORE WATER BUTTS

PALLET PACKS
AVAILABLE



200 LITRE WATERBUTTS

RS200P2: PALLET QTY. 10
RS200P5: PALLET QTY. 30

190 LITRE WATERBUTTS

RS190P2: PALLET QTY. 10
RS190P5: PALLET QTY. 30

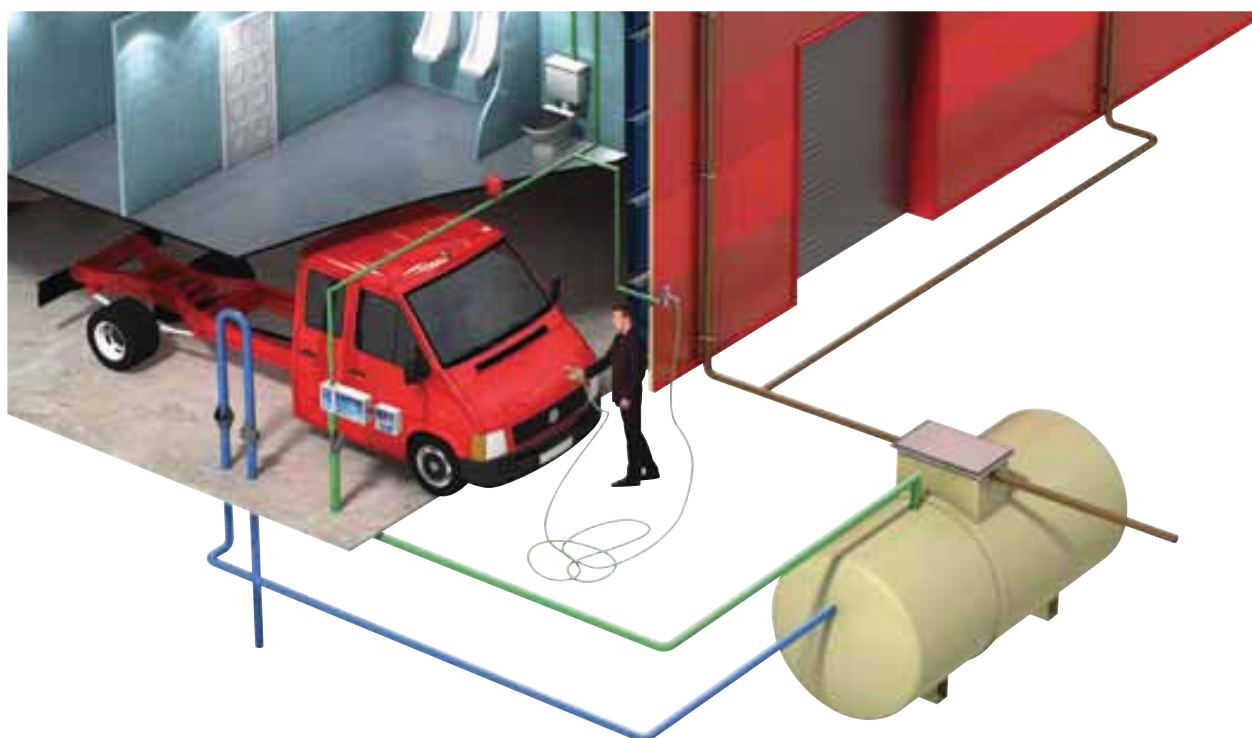
100 LITRE WATERBUTTS

RS100P1: PALLET QTY. 10

Kingspan Water Domestic Rainstore Waterbutt (inc. Tap & Lid)
with Rainstore Waterbutt Stand & Diverter

COMMERCIAL ENVIREAU RAINWATER HARVESTING

Fully integrated rainwater harvesting system for commercial premises



FEATURES

- Capacities from 6,000 to 79,000 litres within a single tank.
- Multiple tanks can be joined to cater for larger volumes.
- Can be installed under trafficked areas (with concrete support).
- Complete packaged units delivered directly to site.

COMMERCIAL ENVIREAU (SINGLE & TWIN PUMP SYSTEM)

The most common and unobtrusive water storage option is to locate the harvested rain below ground. Kingspan have been designing and manufacturing integrated rainwater systems for over a decade.

What we have developed is the **Kingspan Envireau** system. Easy to install, simple to maintain, automatic in operation; Envireau delivers a dependable supply of harvested rainwater. The system permits totally flexible scope for component selection in order for Envireau to be tailored to each building and water application.

Tanks are carefully sized and selected to take into consideration factors such as roof water yield, projected water consumption and ground work criteria such as prevailing water table, soil conditions and requirements for trafficked access.

Filters and pumps are likewise selected to match the system specifications and performance criteria, to minimise maintenance and to ensure the water is kept at an optimum level of clarity and supply pressure.

SINGLE PUMP ORDERING CODE	TWIN PUMP ORDERING CODE	Roof Size (m ²)	Capacity (Ltrs)	Diameter (vessel) (m)
ENV0200SKSW	ENV0200TKSW	200	6000	1.4
ENV0275SKSW	ENV0275TKSW	275	8000	1.8
ENV0350SKSW	ENV0350TKSW	350	10000	1.8
ENV0485SKSW	ENV0485TKSW	485	14000	1.4
ENV0625SKSW	ENV0625TKSW	625	18000	2.6
ENV0765SKSW	ENV0765TKSW	765	22000	2.6
ENV0900SKSW	ENV0900TKSW	900	26000	2.6
ENV1040SKSW	ENV1040TKSW	1040	30000	2.6
ENV1320SKSW	ENV1320TKSW	1320	38000	2.6
ENV1460SKSW	ENV1460TKSW	1460	42000	2.6
ENV1735SKSW	ENV1735TKSW	1735	50000	2.6
ENV2050SKSW	ENV2050TKSW	2050	59000	2.6
ENV2325SKSW	ENV2325TKSW	2325	67,000	2.6
ENV2745SKSW	ENV2745TKSW	2745	79000	2.6

SYSTEM OPTIONS AND SUPPORT



REMOTELY VIEW AND LOG YOUR SYSTEM'S OPERATIONAL DATA

- Real-time information is on hand, including amount of rainwater captured, mains & harvested water consumed, tank levels, and water temperature.
- This scope of data can be logged over specific periods and is compatible with (BMS) Building Management Systems and associated alarm systems.
- The data can be portable too - providing remote monitoring of data and remote download capabilities via any web browser onto tablets or laptops.

MEET OUR STAFF LOCAL TO YOU

KingspanWater has a team of Area Sales Managers located across UK and Ireland. On hand to offer experience and knowledge of product, they provide guidance on component selection, design calculations and projected cost savings. For larger systems or unusual applications, our qualified engineers can work directly with your own project team.

Need Help?

**We advise you to contact
the Technical Team:**

Tel: 028 3836 4477

Email: enquiry@kingspanwater.com

COMMERCIAL RAINSTORE

Above ground storage

When you need a retrofitable large scale rainwater harvesting solution, the above ground **KingspanWater RainStore systems** are the best option available on the market. The free standing tanks require no specialist installation and come in sizes that will really make a difference to metered properties and areas prone to water restrictions in summer months.

APPLICATIONS

- Vehicle washing
- Washdowns
- Industrial processes
- Agricultural or horticultural irrigation



RAINSTORE STANDARD PACKAGE INCLUDES

- Tank(s)
- Integrated Leaf Filter
- Calmed Inlet
- Siphon Overflow
- Rainwater Inlet from roof
- 12" BSP Outlet
- Mains top up valve

FEATURES

- Simple roof area sizing criteria.
- Plug and play systems.
- Facility to link additional tanks as required.
- Tough and durable rotomoulded construction.
- UV protected.

STANDARD RAINSTORE

The above ground **Standard Rainstore** rainwater storage tanks can be easily fitted to existing guttering of a building or incorporated in to new build plans. We provide a plug and play system that suits the level of storage you need to use. Unlike most other rainwater harvesting kits available on the market we believe in keeping it simple with an all encompassing Plug and Play Package.

STANDARD ORDERING CODE	ADVANCED ORDERING CODE	Rec. Roof Size (m ²)	Diameter (mm)	Height (mm)	No. of Tanks	Outlet	Capacity (Ltrs)
RSS0450KSW	RSS0450KSW	450	2035	2265	1	2" BSP Male	5000
RSS0900KSW	RSS0900KSW	900	2630	2500	1	2" BSP Male	10000
RSS1800KS	RSS1800KSW	1800	2630	2500	2	2" BSP Male	20000
RSS2700KSW	RSS2700KSW	2700	2630	2500	3	2" BSP Male	30000

OPTIONAL EXTRAS

RainStore Submersible Pump Kit
CODE: RSSKITS



RainStore Pump Set Kit
CODE: RSSKITP



UV Disinfection System





ADVANCED RAINSTORE

The **Advanced Rainstore** has all the features of the Standard but with the additional benefit of being able to monitor its functions. KingspanWater's smart control makes the process of setting up the system simple and fast. The control panel also offers a multitude of monitoring functions so that management and fault-reporting (via the LCD display) is easy to do.

CONTROL PANEL

The intelligent control panel automatically self-configures the system with a set-up wizard providing installers with a step-by-step guide through the whole process.

DISPLAY PANEL

The LCD display panel gives building managers real-time operating information about the system, including an accurate measure of the amount and temperature of the water in the tank, the pump pressure, and fault reporting.



HEADER TANK
(Gravity System Only)



STEPS TO SELECTING YOUR SYSTEM

1 ROOF AREA

Determine the usable surface area on your building's roof

2 STORAGE

Select the size of the storage tank to cater for your requirements

3 HEADER TANK

Select your header tank to manage the water dispersion

4 OPTIONS

Choose your system options and maintenance packages

POTABLE & NON-POTABLE WATER TANKS

Water storage for commercial and agricultural applications

Every **KingspanWater Potable and Non-Potable water storage tank** has been engineered to exceed the most demanding technical and regulatory requirements, providing the best water storage solution on the market. Backed by a 10 year warranty (conditions apply)* your KingspanWater storage tanks will be an investment you can benefit from for many years.



POTABLE WATER TANKS

Specifically designed to store water for emergency human consumption or animal drinking, the KingspanWater potable water tanks are fully recyclable and meet UK Water Regulatory requirements. They must be installed on a firm, solid flat base and be fully supported.

				
CODE: V1300WP	CODE: V2500WP	CODE: V3600WP	CODE: V5000WP	CODE: V10000WP
Capacity 1300 Ltrs/ 285 Gals	Capacity 2500 Ltrs/ 550 Gals	Capacity 3600 Ltrs/ 800 Gals	Capacity 5000 Ltrs/ 1100 Gals	Capacity 10000 Ltrs/ 2200 Gals
Outlet 2" BSP Male	Outlet 2" BSP Male	Outlet 2" BSP Male	Outlet 2" BSP Male	Outlet 2" BSP Male
Diameter 1210 mm	Diameter 1635 mm	Diameter 1885 mm	Diameter 2035 mm	Diameter 2630 mm
Height 1415 mm	Height 1450 mm	Height 1855 mm	Height 2265 mm	Height 2500 mm

NON-POTABLE WATER TANKS

Designed as a basic water storage tank for non-drinking (not intended for human consumption) use such as vehicle washing, irrigations and washdowns. Must be installed on a firm, solid flat base and be fully supported.

				
CODE: V1300W	CODE: V2500W	CODE: V3600W	CODE: V5000W	CODE: V10000W
Capacity 1300 Ltrs/ 285 Gals	Capacity 2500 Ltrs/ 550 Gals	Capacity 3600 Ltrs/ 800 Gals	Capacity 5000 Ltrs/ 1100 Gals	Capacity 10000 Ltrs/ 2200 Gals
Outlet 2" BSP Male	Outlet 2" BSP Male	Outlet 2" BSP Male	Outlet 2" BSP Male	Outlet 2" BSP Male
Diameter 1210 mm	Diameter 1635 mm	Diameter 1885 mm	Diameter 2035 mm	Diameter 2630 mm
Height 1415 mm	Height 1450 mm	Height 1855 mm	Height 2265 mm	Height 2500 mm

APPLICATIONS OF POTABLE TANK*

- Water storage for domestic, agricultural or commercial premises with onsite borehole or well.
- Static above ground installations only.
- Animal drinking.
- Vehicle washing.
- Emergency human consumption.

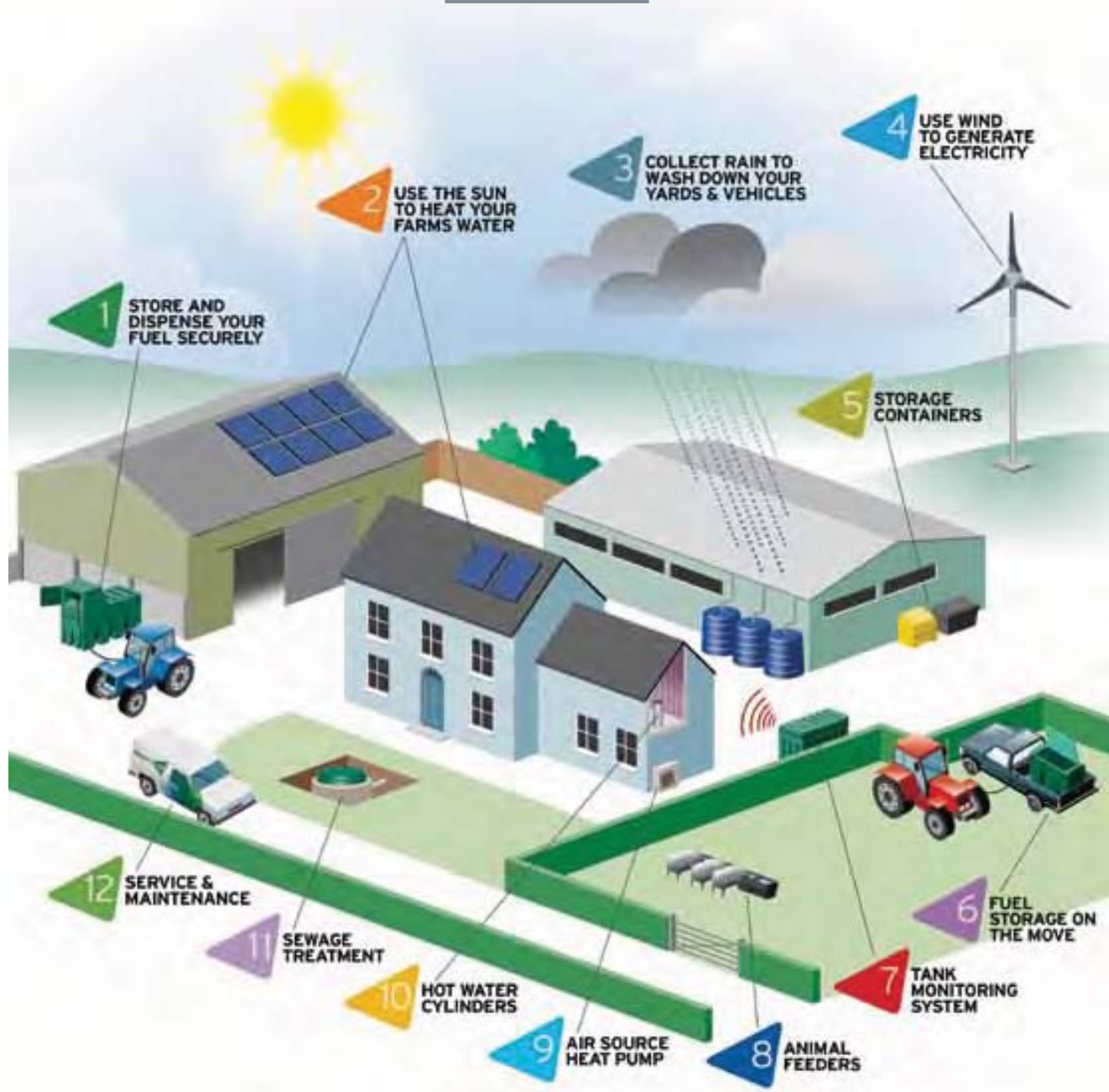
*Please note: these applications apply to potable tanks only.

POTABLE & NON- POTABLE TANKS SUPPLIED WITH:

- 2" BSP male outlets fitted as standard which can be connected into copper, pex, hydrocare etc.
- 16" hinged access point to allow easy access for fitting of ballcocks, floats and extra outlets.
- UV Stabilised material.



SUSTAINABLE WATER & ENERGY SOLUTIONS FOR FARMS



Sales Hotline: 028 3836 4413/4415

Email: sales@sensor-systems.com

Web: www.sensor-systems.com

TELEMETRY

Watchman Monitoring
– Watchman

60

WATCHMAN MONITORING

At **Kingspan Sensor** we design and manufacture an award-winning range of specialist telemetry enabled equipment for level measurement and reporting of fuel, water, materials and cold storage.



WATCHMAN®

CODE: **003963**

Uses a transmitter on top of the tank and ultrasonic level measurement techniques to measure, continually, the level of oil in a tank.



WATCHMAN®
ALARM

CODE: **004030**

The revolutionary electronic measuring gauge which will set off an alarm at the receiver in the house when there is a dramatic drop in oil levels.

FEATURES

- Alarm feature (WatchmanAlarm product only).
- One model fits all.
- Quick and easy to install.
- Suitable for steel or plastic tanks.
- 12 months replacement guarantee.
- Lower power consumption.
- 200 metre transmitter to receiver gauge.
- Measures tanks up to 3 metres in height.
- Option of an audible setting sending out a buzzing tone when oil levels run low.



HOW DOES IT WORK

- 1 The transmitter sits on top of the tank and using ultrasonic level measurement techniques, constantly measures the level of oil in the tank.
- 2 It then transmits that information to the receiver which is plugged into an electric wall socket, located in a convenient place within the house.
- 3 The height of the liquid is displayed on a LCD screen on the receiver. The householder can monitor the level of oil in their tank from inside their home.
- 4 When the level of oil in the tank gets below 10%, the fuel dispensing pump symbol appears, and an option of a buzzing tone, indicating to the householder that it is time to order some more oil.
- 5 In the event of the oil level in the tank dropping at a rate that is not common for a domestic oil tank (more than 1.5cm a minute) the receiver will emit an audible alarm (WatchmanAlarm product only).

We are full members of the LP Gas Association, ALGED, FPS and Oftec. Our products have been approved by such organisations as BASEEFA and BABT (Green Dot) and we are ISO9002 and UKAS Quality Management approved.



WATCHMAN®
ANYWHERE

Kingspan Sensor
Systems

Telemetry

MONITOR YOUR HEATING OIL LEVELS WHEREVER YOU ARE



Powered by Kingspan Sensor Systems

Sales Hotline: 028 3836 4444

Email: sales@titanenv.com

Web: www.titanenv.com

OIL FUEL & LUBRICANTS STORAGE TANKS

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AdBlue Storage & Dispensing Tanks	69

ECOSAFE BUNDED OIL TANKS

The Complete Integrally Bunded Oil Storage System

The **Kingspan Titan EcoSafe range** of bunded oil tanks offer specifications that exceed current regulations. Manufactured in various sizes and styles (horizontal and vertical) to suit all spaces these are the most advanced range of bunded oil tanks available in the UK & Ireland. All tanks are also OFCERT certified and manufactured to ISO standards*.



ONE YEAR GUARANTEE
ON EQUIPMENT



CODE: ES1000

Capacity 1000 Ltrs/
220 Gals
Length 2150 mm
Width 690 mm
Height 1500 mm



CODE: ESLP1200

Capacity 1200 Ltrs/
260 Gals
Length 940 mm
Width 1540 mm
Height 1090 mm



CODE: ES1225

Capacity 1225 Ltrs/
270 Gals
Length 2050 mm
Width 900 mm
Height 1525 mm



CODE: ES1300

Capacity 1300 Ltrs/
285 Gals
Length 1920 mm
Width 1230 mm
Height 1300 mm



CODE: ESV1300

Capacity 1300 Ltrs/
285 Gals
Diameter 1550 mm
Height 1485 mm



CODE: ES1800

Capacity 1800 Ltrs/
400 Gals
Length 2370 mm
Width 1300 mm
Height 1355 mm



CODE: ES2500

Capacity 2500 Ltrs/
550 Gals
Length 2450 mm
Width 1425 mm
Height 1495 mm



CODE: ESV2500

Capacity 2500 Ltrs/
550 Gals
Diameter 2000 mm
Height 1490 mm



CODE: ES3500

Capacity 3500 Ltrs/
775 Gals
Diameter 2180 mm
Height 1940 mm



CODE: ESSL4000

Capacity 4000 Ltrs/
880 Gals
Length 3170 mm
Width 1200 mm
Height 2340 mm



CODE: ES5000

Capacity 5000 Ltrs/
1100 Gals
Diameter 2250 mm
Height 2400 mm



CODE: ES9000*

Capacity 9000 Ltrs/
1980 Gals
Diameter 2460 mm
Height 2950 mm



CODE: ESV10000*

Capacity 10000 Ltrs/
2200 Gals
Diameter 2800 mm
Height 2950 mm
(Plastic inner/steel outer)

FEATURES

- Low maintenance, no rust / no painting.
- Alarm & monitors the level of oil.
- Top Outlet and Bottom Outlet Option.
- SpillStop Overfill device fitted as standard.
- OFCERT approved.

WATCHMANALARM TANK PACK

for Ecosafe ranges

All Ecosafe tanks come complete with a WatchmanAlarm tank pack. Greatly reduces installation time

Tank Pack consists of:

1. WatchmanAlarm Transmitter
2. WatchmanAlarm Receiver
3. PTFE Tape
4. Heldite
5. Heldite Applicator
6. Gate Valve and Filter



Suitable for the storage of kerosene (C1/C2), fuel oil (A2), and gas oil/diesel, as defined in BSEN2869, including up to 7% biofuel to BSEN14214. *OFCERT approval pending.

BIG BRAND SAVINGS

ON SELECTED TITAN OIL TANKS



ES1000

EcoSafe 1000 Litre
Bunded Tank



ES1225

EcoSafe 1225 Litre
Bunded Tank



ES1300

EcoSafe 1300 Litre
Bunded Tank



ES2500

EcoSafe 2500 Litre
Bunded Tank

All tanks supplied with
Watchman Alarm Tank Pack.



Competitive prices on premium products.
Giving you the leading edge.

Please note: Not to be used in conjunction with any other promotion or contract.
All Oil Tanks come supplied with a Watchman Alarm Tank Pack.



TALKING TITAN SINGLE SKIN OIL TANKS

Complete with Remote Sensor Capability - reduces the possibility of running out of oil

The **Kingspan Titan range of single skin heating oil tanks** are specifically designed to suit domestic applications where bunding is not a legal requirement. They can be supplied in a number of various sizes and styles to suit all spaces. All tanks are also OFCERT certified and manufactured to ISO standards. Kingspan Titan do recommend a bunded oil tank where possible to prevent groundwater pollution.



CODE: LP1200TT

Capacity 1200 Ltrs/
260 Gals
Length 1785 mm
Width 1350 mm
Height 950mm



CODE: R1000TT

Capacity 1000 Ltrs/
220 Gals
Length 1880 mm
Width 590 mm
Height 1350 mm



CODE: R1225TT

Capacity 1225 Ltrs/
270 Gals
Length 1785 mm
Width 750 mm
Height 1385 mm



CODE: H1300TT

Capacity 1300 Ltrs/
285 Gals
Length 1700 mm
Width 1050 mm
Height 1150 mm



CODE: H1800TT

Capacity 1800 Ltrs/
400 Gals
Length 2170 mm
Width 1125 mm
Height 1170 mm



CODE: H2500TT

Capacity 2500 Ltrs/
5500 Gals
Length 2265 mm
Width 1250 mm
Height 1320 mm



CODE: V1300TT

Capacity 1300 Ltrs/
285 Gals
Diameter 1200 mm
Height 1415 mm



CODE: V2500TT

Capacity 2500 Ltrs/
550 Gals
Diameter 1650 mm
Height 1420 mm

WATCHMAN® TANK PACK

for Talking Titan ranges

FEATURES

- Low maintenance, no rust / no painting.
- Monitors the level of oil.
- Top Outlet and Bottom Outlet Option.
- OFCERT approved.

All Talking Titan and FuelMaster tanks come complete with a Watchman® tank pack. Greatly reduces installation time

Tank Pack consists of:

1. Watchman® Transmitter
2. Watchman® Receiver
3. PTFE Tape
4. Heldite
5. Heldite Applicator
6. Gate Valve and Filter



Please note: Standard tanks can be supplied without the remote oil level monitor upon request but Titan recommend customers fit the all-inclusive Talking Titan tank version. Suitable for the storage of kerosene (C1/C2), fuel oil (A2), and gas oil/diesel, as defined in BSEN2869, including up to 7% biofuel to BSEN14214. OFCERT approval pending.

FUELMASTER STORAGE & DISPENSING TANKS

Secure Fuel Storage & Dispensing Systems for Agricultural & Commercial Applications

The **Kingspan Titan FuelMaster** range is specifically designed for fuel dispensing and fuel protection. Whether you are in the commercial or agricultural industry, the static bunded FuelMaster ensures you meet all stringent fuel storage regulations.



NEW



CODE: FMSL1225*

Capacity 1225 Ltrs/
270 Gals
Length 2050 mm
Width 900 mm
Height 1970 mm



CODE: FM1300

Capacity 1300 Ltrs/
285 Gals
Length 1920 mm
Width 1230 mm
Height 1785 mm



CODE: FM2500

Capacity 2500 Ltrs/
550 Gals
Length 2450 mm
Width 1425 mm
Height 1660 mm



CODE: FM3500

Capacity 3500 Ltrs/
755 Gals
Length 2800 mm
Width 2180 mm
Height 1940 mm

NEW



CODE: FMSL4000*

Capacity 4000 Ltrs/
880 Gals
Length 3900 mm
Width 1200 mm
Height 2340 mm



CODE: FMV5000

Capacity 5000 Ltrs/
1100 Gals
Length 2885 mm
Width 2250 mm
Height 2400 mm



CODE: FMV9000

Capacity 9000 Ltrs/
1980 Gals
Length 3250 mm
Width 2450 mm
Height 2950 mm



CODE: FMV10000*

Capacity 10000 Ltrs/
2200 Gals
Length 3485 mm
Width 2755 mm
Height 2825 mm



ONE YEAR GUARANTEE
ON EQUIPMENT

Please note: Suitable for Agricultural Fuel Oil (Class A2) and Gas/Oil/ Diesel (Class D). Manufactured to ISO standards, they are tested and licensed by OFCERT to confirm that it complies with OFST100 and the requirements of the Control of Pollution Regulations.

FEATURES

- Watchman oil tank monitoring.
- 10 micron particulate / water filter (optional).
- SpillStop Overfill device fitted as standard.
- Fitted light inside dispensing cabinet.
- Pump which dispenses at 56 litres per minute as standard.
- Optional extras available.
- OFCERT Approved.

*Approval pending.

OPTIONAL EXTRA - WATCHMAN PROFESSIONAL PLUS TANK MONITORING SYSTEM

For FuelMaster ranges (Comes standard with FMV9000)

The Watchman® Professional Plus is now being offered as a unique optional extra on all the Titan FuelMaster products. The Watchman® Professional Plus is a bespoke design to control, monitor and accommodate the efficient storage and dispensing of fuel.



LITRES SCREEN



FLOW RATE SCREEN



LOW LEVEL SCREEN



TRUCKMASTER

Portable Fuel Dispensing Systems - UN Certification (ADR)*

Light and portable the ADR approved **Kingspan Titan TruckMaster** range are portable fuel tanks for storing and dispensing of diesel fuels. They are the perfect diesel storage and dispensing solutions for farmers, facility managers and construction workers alike. They are easily transported by a forklift and can simply strap onto the back of a truck enabling on-site refueling, saving time and money.



FEATURES

- UN approved IBC suitable for transport of fuels.
- Designed to fit between the wheel arches of a crewcab vehicle, but can a flat bed truck or trailer.
- Easily lifted when full, by forklift or four lifting eyes.
- Little fuel surge with unique internal baffle wall.
- Necessary fittings are stored neatly under the lockable lid.
- Optional extras available.



CODE: TM430

Capacity	430 Ltrs/ 95 Gals
Top Length	1156 mm
Base Length	980 mm
Width	842 mm
Height	860 mm



TM430 Equipment



CODE: TM900

Capacity	900 Ltrs/ 198 Gals
Top Length	1400 mm
Base Length	1100 mm
Width	1000 mm
Height	1200 mm



TM900 Equipment



Lockable Lid

***UN approved:** IBC suitable for the transport of diesel fuels. Certified under the ADR regulations (International Carriage of Dangerous Goods by Road).

WASTE OIL TANKS

Waste Oil needs to be stored in a safe and secure oil tank container. The **Kingspan Titan Waste Oil Tanks** are designed to ensure that industrial and commercial properties comply with the Control of Pollution (Oil Storage) Regulations and site Health and Safety regulations.

FEATURES

- Moulded from high quality, impact and UV resistant polyethylene.
- Bundman leak detection system fitted as standard.
- WatchmanSonic oil level monitor - Optional Extra.



CODE: BOW200

Capacity 200 Ltrs/
44 Gals
Length 760 mm
Width 760 mm
Height 1255 mm



CODE: BOW600

Capacity 600 Ltrs/
130 Gals
Length 1440 mm
Width 860 mm
Height 1350 mm



CODE: BOW650

Capacity 650 Ltrs/
143 Gals
Diameter 1050 mm
Height 1500 mm



CODE: BOW1300

Capacity 1300 Ltrs/
285 Gals
Length 1835 mm
Width 1265 mm
Height 1310 mm



CODE: BOW2500

Capacity 2500 Ltrs/
550 Gals
Length 2450 mm
Width 1425 mm
Height 1465 mm

ADBLUE STORAGE

Kingspan Titan provides a range of easy to handle above ground **AdBlue** storage and dispensing tanks. With **AdBlue** requirements tanks are designed to answer the needs of commercial companies as well as public depots with truck fleets. The chemical characteristics of AdBlue require special storage and handling equipment and have the highest material demands in tank design and construction.



**OPTIONAL
EXTRA**
**WATCHMAN
PROFESSIONAL
PLUS**
tank monitoring
system



CODE: BMH2500

Capacity 2500 Ltrs/
550 Gals
Length 2460 mm
Width 1430 mm
Height 1850 mm



CODE: BMSL4000*

Capacity 4000 Ltrs/
880 Gals
Overall Length 3900 mm
Width 1200 mm
Height 2340 mm



CODE: BMV5000

Capacity 5000 Ltrs/
1100 Gals
Overall Length 2700 mm
Width 2230 mm
Height 2380 mm



CODE: BMV9000

Capacity 9000 Ltrs/
1980 Gals
Length 3580 mm
Width 2460 mm
Height 2950 mm

FEATURES

- Equipped with Dispenser.
- Leakage & Level Sensor.
- More cost effective than IBC's or drums.
- Estimated 2 years payback.
- Tank cooling fans and cabinet heating options available.

*OFCERT approval pending. All materials have been tested and certified to ISO and CEFIC standards.

Sales Hotline: 028 3836 4444

Email: sales@titanenv.com

Web: www.titanenv.com

SOLID FUEL, GRIT, RECYCLING & AGRI CONTAINERS

Coal Bunkers	72
Grit Bins	72
Storage Bunkers	73
Outdoor Recycling	73
Agricultural	74

COAL BUNKERS

Designed for the storage of coal, slack, wood and peat briquettes.

FEATURES

- Manufactured from medium density UV resistant polyethylene.
- Suitable for outdoor or indoor use.
- Strong and robust.
- High impact strength.
- Cannot rust or rot.
- Top and bottom opening for easy access.
- Available in black or green.



CODE: BO 150

Capacity	150 Kg
Length	850 mm
Width	600 mm
Height	770 mm



CODE: BO 300

Capacity	300 Kg
Length	950 mm
Width	880 mm
Height	970 mm



CODE: BO 600

Capacity	600 Kg
Length	1190 mm
Width	970 mm
Height	1140 mm

GRIT BINS

Designed with the suitability and endurance required for public locations, these containers are primarily for the storage of salt and sand, for using in icy weather to keep paths and driveways slip free, but are also suitable for grain and garden equipment.

FEATURES

- Moulded in impact and UV resistant MDPE to give an exceptionally strong construction.
- Rust, rot and weather resistant.
- Vandal resistant double skin lid which makes it ideal for public locations.
- May be fitted with hasp and staple.
- Highly visible yellow.
- Requires no assembly.



CODE: GB 200

Capacity	200 Kg
Length	790 mm
Width	480 mm
Height	790 mm

CODE: GB 400

Capacity	400 Kg
Length	1020 mm
Width	610 mm
Height	1020 mm

MAXI BUNKER



FEATURES

These bunkers were primarily designed to provide an attractive and secure display for a forecourt, but have evolved into a multi-functional storage container.

- Moulded in impact and UV resistant MDPE to give an exceptionally strong, long life construction.
- Rust, rot and weather resistant.
- Fully retractable roof for exposing products.
- Wide choice of colours.
- Requires no assembly and is easy to access for filling and emptying.

- Each MAXI bunker is supplied with a padlock.
- Suitable for forecourt location - storing pre-packed products such as wood, coal, charcoal or pet food.
- Can also be used as a bund for storage of chemicals.

* (Please make enquiry with sales office before purchasing).

CODE: FCBM

Capacity	30x25 kg Bags
Length	1920 mm
Width	1060 mm
Height	1000 mm



MAXI STORE



FEATURES

The Maxi Store is a compact container, suitable for a variety of storage needs, anything from domestic and agricultural to commercial whether indoor or outdoor.

- Lid is lockable ensuring contents are securely stored (lock not included).
- Moulded in impact and UV resistant MDPE to give an exceptionally strong, long life construction.
- Rot, rust and weather resistant.
- Available in black as standard. Other colours are available on request.

- Black polyethylene divider included for separating contents.
- Suitable for secure holding of paint etc, pet food, toys, bags of wood or small garden equipment.

CODE: MAXISTORE

Length	1140 mm
Width	540 mm
Height	670 mm



OUTDOOR RECYCLING BINS

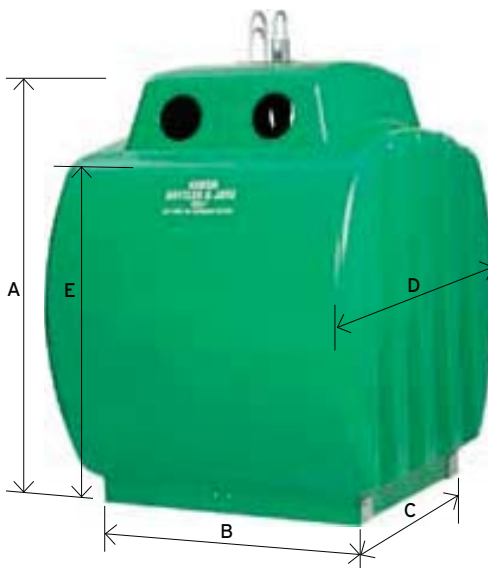
The Kingspan Titan range of recycling containers such as bottle and paper banks continue to be in increasing demand as regulations and environmental awareness drive the way we live. A vast range of colours are available to suit individual requirements.

FEATURES

Labelling - As standard, the type of Maxibank (glass, aluminium or paper) may be moulded permanently into the banks.

Emptying - The Maxibank is easily emptied using the standard 2 hook crane mechanism.

Design - The unique space saving design allows them to be placed close together on site, leaving no awkward corners. The surface is resistant to graffiti and easily cleaned if necessary. No painting or maintenance is required.



MAXIBANK (Bottle Bank)

CODE: MAXI NEW

A	1670 mm
B	1085 mm
C	1100 mm
D	1610 mm
E	1430 mm
Capacity Fillpoint	2.2 m ³
Capacity Brimful	2.5 m ³

AGRICULTURAL PRODUCTS



CATTLE DRINKERS

The Kingspan Titan range of tough cattle drinkers represents the best products of their kind available in the market. Simple and economical, these cattle drinkers come in a wide variety of sizes.



12GAL DRINKER

CODE: D40

Capacity	54 Ltrs 12 Gals
Length	680 mm
Width	440 mm
Height	353 mm
Sludge Outlet	N/A



15GAL DRINKER

CODE: D15

Capacity	65 Ltrs 15 Gals
Length	1010 mm
Width	440 mm
Height	340 mm
Sludge Outlet	N/A



120GAL DRINKER

CODE: D120R

Capacity	545 Ltrs 120 Gals
Length	2200 mm
Width	800 mm
Height	560 mm
Sludge Outlet	1 1/2" (x 2)



170GAL DRINKER

CODE: D170R

Capacity	770 Ltrs 170 Gals
Diameter	1575 mm
Height	660 mm
Sludge Outlet	1 1/2"



400GAL DRINKER

CODE: D400C

Capacity	1800 Ltrs 400 Gals
Diameter	2060 mm
Height	810 mm
Sludge Outlet	1 1/2"

SHEEP DIP TUB

Features

- Rotationally moulded from top quality medium density polyethylene.
- Ultraviolet stabilised for protection against sunlight.
- Extremely durable.
- Excellent impact strength, lightweight and easily transported.



SHEEP DIP TUB

Capacity	1136 Ltrs 250 Gals
Length	2735 mm
Width	950 mm
Height	1225 mm

Kingspan **TITAN**

STOCK UP NOW AND
**GET READY
FOR WINTER**
WITH **TITAN** FUEL ESSENTIALS

(Don't forget to check your oil tank too!)



Safely store your coal, grit salt or wood,
and securely monitor your heating oil.

Call Sales Hotline:

028 3836 4444

Email: sales@titanenv.com

Sales Hotline:

01296 633033

Email:

info@klargester.com

Web:

www.klargester.com

Parts & Spares Available 24/7:

www.kingspanservice.com

WASTEWATER SOLUTIONS

Sewage Treatment Systems	78
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Cesspools	88
Grease Traps	89

SEWAGE TREATMENT SYSTEMS

For the collection and treatment of domestic sewage



A **sewage treatment system** provides a high performance solution to sewage disposal needs for domestic dwellings without access to mains drainage.

BIODISC

Klargester BioDisc®. It is ideal for locations where discharge is to sub-surface irrigation, or to a suitable watercourse where approved by the Regulator, and where a septic tank will not meet the required standards.

Central to the operation of each Klargester BioDisc® is the Rotating Biological Contactor (RBC), which supports a biologically active film or biomass on to which aerobic micro-organisms, naturally found in sewage, become established. Natural breakdown of sewage can then occur as described below.



FREE DELIVERY



Free delivery on ALL Klargester products

BREAKDOWN PROCESS

1. Primary settlement where solids are settled out and retained.
2. Biozone where suspended solids are broken down by micro-organisms.
3. Second stage of treatment in Biozone.
4. Final settlement where solids are settled out.
5. RBC - Retaining Biological Contractor plastic media supported by a steel shaft slowly rotated by a low energy motor.

COMPLY WITH BUILDING REGULATIONS

- Specialist site assessment recommended prior to site installation of any wastewater system.
- Klargester offer 50 years experience.

For a **FREE** site visit call:
01296 633 033

FEATURES

- Certified to European Standard EN12566.
- Utilises Rotating Biological Contactor technology.
- Low running costs.
- Recognised for its process performance.
- Assured performance or 8mg/l BOD, 13mg/l SS and 4mg/l ammonia.
- Delivers 95% pollution removal.
- 10 Year warranty options available when purchased with a service and maintenance plan.

Unit Size	Single House		Multiple Houses	
	BA**	BA-X**	BB**	BC
Population Equivalent	1 House, Up to 4 bedrooms	1 House, Up to 7 bedrooms	2 Houses, Up to 8 bedrooms	3 Houses, Up to 12 bedrooms
Overall Diameter / Width (mm)	1995	1995	1995	2450
Standard Drain Invert Inlet (mm)	750*	750*	750*	600†
Standard Outlet (mm)	835	835	835	685
Depth From Invert To Base (mm)	1400	1400	1400	1820
Pipework Diameter (mm)	110	110	110	110
Sludge Storage Period (Approx)	12 months	12 months	12 months	12 months
Standard Power Supply (mm)	Single Phase	Single Phase	Single Phase	Single Phase
Motor Rating (mm)	50W	50W	50W	75W
Weight (Tonnes) Standard Units (mm)	0.388	0.418	0.418	0.650

Applications which include waste disposal units will require special sizing. Please consult Klargester.

* Optional invert depths of 450mm and 1250mm are available.

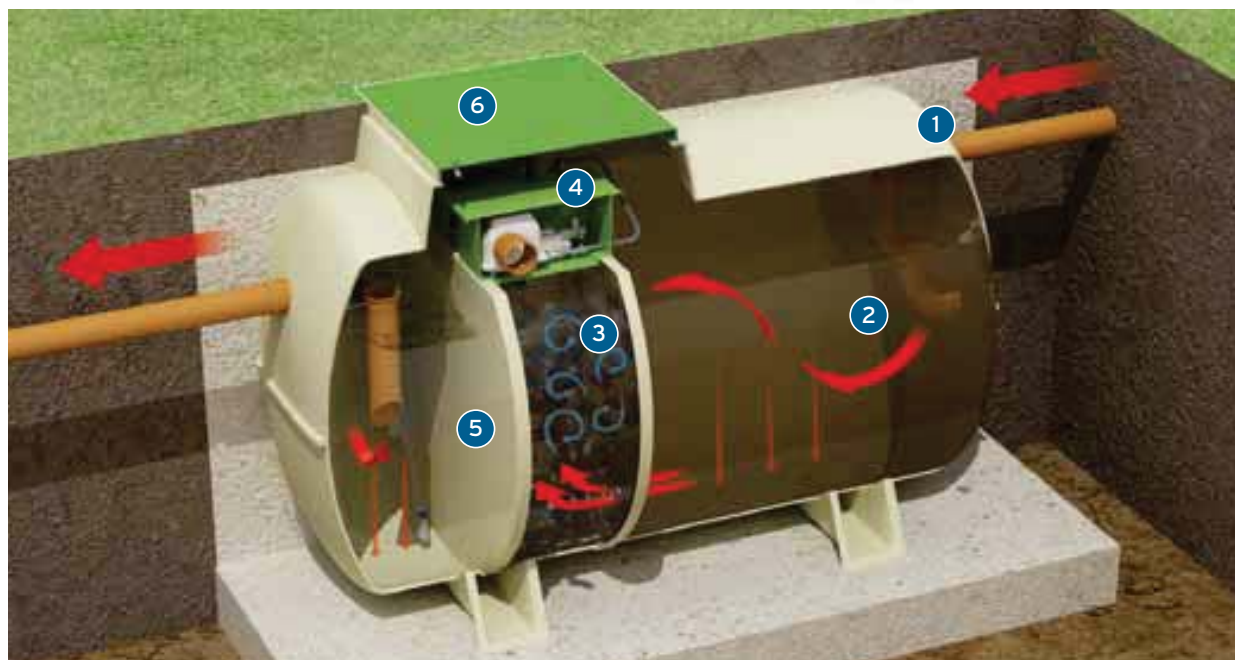
† Optional invert depth of 1100mm is available.

** Optional integral pump available in BA, BA-X and BB models.

BIOSAFE

The best designs are the simplest. So if you require trouble free sewage treatment, you're sure to be impressed with the Biosafe.

Fluidised, fixed-film biozones are used as the operating process, resulting in a cleaner, quieter and more efficient treatment plant.



KEY

1. Inlet
2. Primary settlement tank
3. Biozone treatment process
4. Easy access for desludging
5. Final settlement tank
6. Cover

COMPLY WITH BUILDING REGULATIONS

- Specialist site assessment recommended prior to site installation of any wastewater system.
- Klargester offer 50 years experience.

For a **FREE** site visit call:
01296 633 033

FEATURES

- Unobtrusive below ground installation.
- Suitability for varying invert levels.
- Excellent durability.
- Low profile results in shallow depth excavation.
- Simple maintenance with easy desludging.
- Pumped discharge option available.
- Compliant with BS EN-12566 Part 3.
- Proven standards of discharge - 20mg/l BOD, 30mg/l S.S. and 10mg/l ammonia in domestic applications.

Unit Inlet Invert Ref. (mm)	Outlet (mm)	Overall Length (mm)	Overall Length (inc. feet) (mm)	Ducting Invert (mm)	Ducting Invert (mm)	Overall Diameter (mm)
450	550	2720	1727	300	270	1530
750	850	2720	2027	600	570	1530
1000	1100	2720	2277	800	820	1530

SEWAGE TREATMENT SYSTEMS

For the collection and treatment of domestic sewage

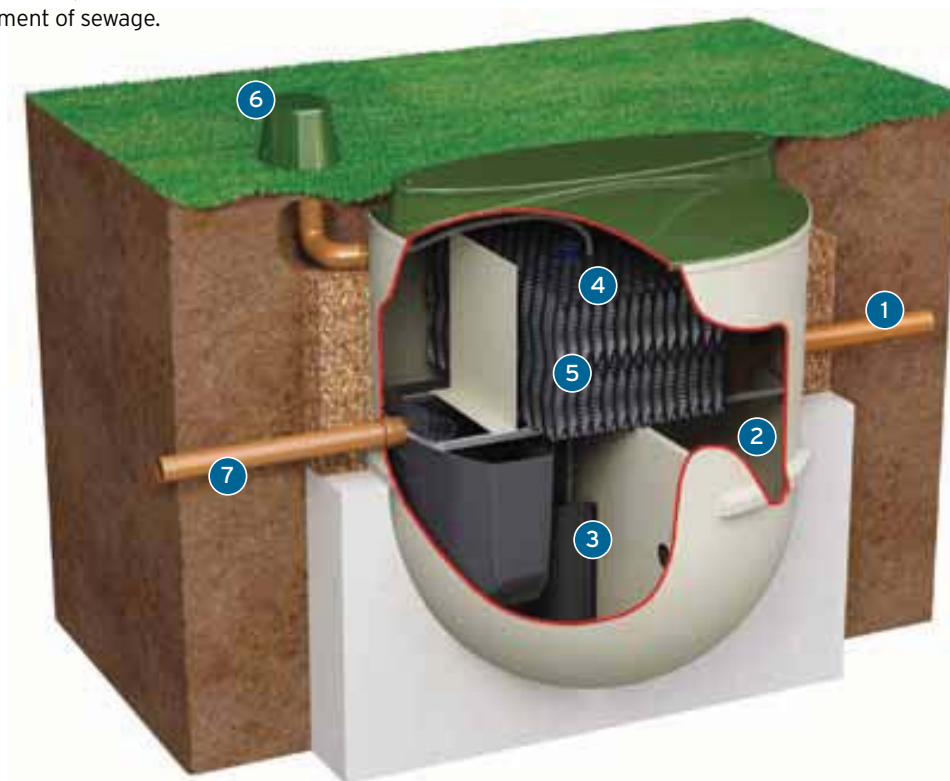


BIOTEC

Klargester Biotec sewage treatment systems are ideal for single houses and employ the well proven aerobic biological process for the treatment of sewage.

FEATURES

- Certified to European Standard EN12566.
- Superior performance rating.
- Subject to consent and site conditions, the plant can discharge directly to a watercourse.
- No mechanical or electrical components within the plant - low running and maintenance costs.
- Low level visibility with a lockable child-proof pedestrian duty cover - safe for children and pets.
- Controlled ventilation - minimises risk of odour nuisance.
- Package options to all requirements and needs.
- Easy to install and maintain with annual desludging.
- Manufactured under the procedures of ISO 9001 (Quality Management).



KEY

1. Inlet
2. Primary settlement
3. Air lift
4. Distributor
5. Media
6. Blower
7. Outlet

COMPLY WITH BUILDING REGULATIONS

- Specialist site assessment recommended prior to site installation of any wastewater system.
- Klargester offer 50 years experience.

For a **FREE** site visit call:
01296 633 033

	Daily Flow (m ³ /day)	BOD Load (kg/day))	Weight Empty (kg)	Outside Diameter (m)	Depth (m)	Inlet Invert (m)	Inlet Invert to Base (m)	Outlet Invert (m)	Motor Rating (watts)
Biotec™-1	1.2	0.36	195	1.9	2.2	1.0*	1.2	1.100	60
Biotec™-1 IPS	1.2	0.36	220	1.9	2.2	1.0*	1.2	0.605	60
Biotec™-2	2.4	0.72	217	1.9	2.7	1.0*	1.7	1.100	60
Biotec™-2 IPS	2.4	0.72	260	1.9	2.7	1.0*	1.7	0.605	60
Biotec™-3	3.6	1.10	445	2.7	2.6	1.0*	1.6	1.100	150
Biotec™-3 IPS	3.6	1.10	471	2.7	2.6	1.0*	1.6	0.605	150
Biotec™-4	5.0	1.50	470	2.7	2.6	1.0*	1.6	1.100	150
Biotec™-4 IPS	5.0	1.50	495	2.7	2.6	1.0*	1.6	0.655	150

* There are two depths of inlet in the range 1.0m and 1.5m. For further assistance and advice on selecting the appropriate Biotec™ system please contact Klargester Technical Sales on 01296 633000 who will be pleased to help. We can arrange for one of our local Area Managers to visit your site to advise on model selection and legislation. We can also recommend specialist installers if requested. This advice service is supplied free of charge.

REED BEDS

Natural Filtration Process



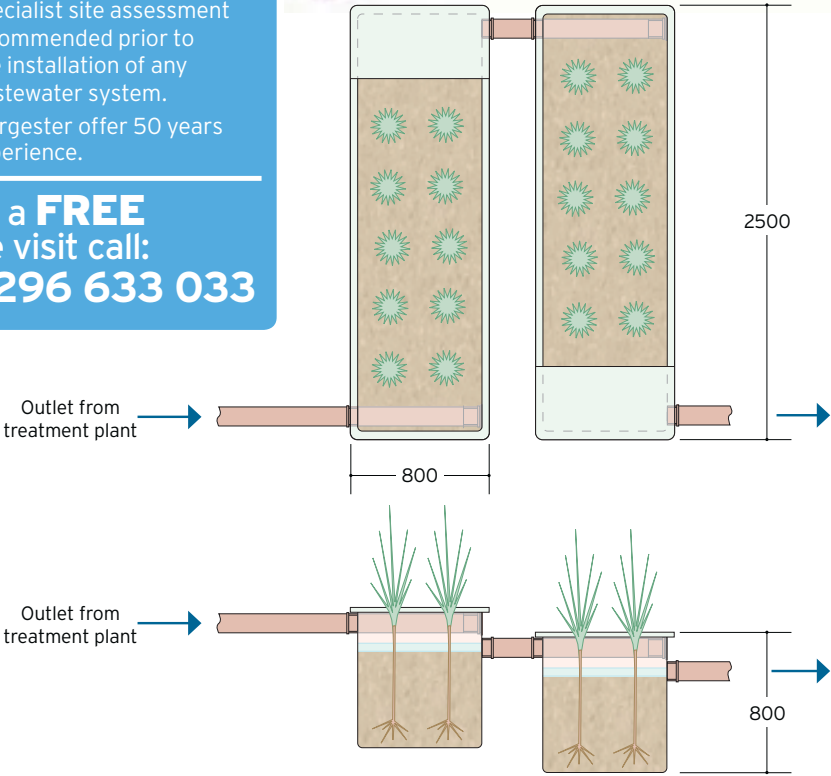
A **reed bed** is a filtration process used in conjunction with a Klargester sewage treatment system to further enhance the quality of the effluent migrating into a drainage field or surrounding watercourse.



COMPLY WITH BUILDING REGULATIONS

- Specialist site assessment recommended prior to site installation of any wastewater system.
- Klargester offer 50 years experience.

For a **FREE** site visit call: **01296 633 033**



FEATURES

- Tertiary treatment for new applications with tight discharge consents.
- Satisfies new building regulations.
- Improved effluent quality for existing works.
- Very low maintenance.
- Aesthetically pleasing and environmentally friendly.
- Easy to install and maintain.
- Effluent discharge is typically improved by at least 50% providing reduced BOD and suspended solids.

ORDERING CODE	Population Equivalent	Length (mm)	Width (mm)	Depth (mm)	No. Required	Outlet Size (mm)
HRB006	6	2500	800	800	2	110
HRB012	12	2500	800	800	4	110

SEPTIC TANKS

For the collection and settlement of domestic sewage



A **septic tank** provides a traditional solution to sewage disposal needs for domestic dwellings without access to mains drainage.

Basic septic tanks only partially treat sewage and discharge effluent of low quality. Many authorities in the UK prohibit their use. In all instances a sewage treatment system should be considered as the first option. Septic tanks may be installed, subject to consent, in applications where:

- Soil is of suitable porosity.
- Installation complies with Building Regulations (Approved Document H).
- The installation will not contaminate any ditch, stream or other watercourse.



FEATURES

- Performance tested to EN-12566 (Part 1) requirements.
- Made from composite GRP - strong, light, chemically resistant and watertight.

ALPHA SEPTIC TANK

Largest Alpha tanks provide a reliable and economic solution for homes not connected to mains drainage.

The Alpha septic tank comes in three sizes and is suitable for individual domestic dwellings up to a large family house.

ORDERING CODE	Capacity (Ltrs)	No. People (150 Ltrs/head/day)	Width (mm)	Variable Inlet Level (mm)
STS02810	2800	5	1905	1565
STS03810	3800	12	2070	1795
STS04610	4600	17	2080	2035



BETA+ SEPTIC TANK

The squat design of the Beta+ means a shallow excavation and reduced excavation time. High structural strength means concrete backfill is only required on 'wet sites'.

Beta+ septic tanks are available in two sizes suitable for various applications.

ORDERING CODE	Capacity (Ltrs)	No. People (150l/head/day)	Width (mm)	Variable Inlet Level (mm)
STP030K	3000	6	1700	900 - 500
STP041K	4100	14	1940	900 - 500

FEATURES

- Manufactured from robust, impact resistant, high quality polyethylene.
- Strong, easy to move and simple to install.
- Wide neck for easy access for annual desludging.
- Extension neck available to allow for deeper installation on difficult sites.
- Performance tested to EN-12566 (Part 1) requirements.

SIGMA SHALLOW DIG SEPTIC TANK

The Sigma shallow dig septic tank is designed to reduce both installation time and cost.

The range is available in various sizes suitable for properties with dig height restrictions.



FEATURES

- Robust and simple to install.
- Less excavation costs, less soil disposal and less backfill material.
- Made from composite GRP - strong, light, chemically resistant and watertight.
- EN-12566 Part 1 approved and 99.7% efficient.

ORDERING CODE	Capacity (Ltrs)	No. People (150 Ltrs/head/day)	Diameter (mm)	Diameter (mm)	Standard Invert Height (mm)
STH028	2800	5	1225	2955	500
STH038	3800	12	1225	3895	500
STH057	5700	24	1425	4275	500
STH071	7150	34	1920	3225	500
STH091	9150	47	1920	3960	500

PUMPSTOR

Complete wastewater and surface water pumping solutions



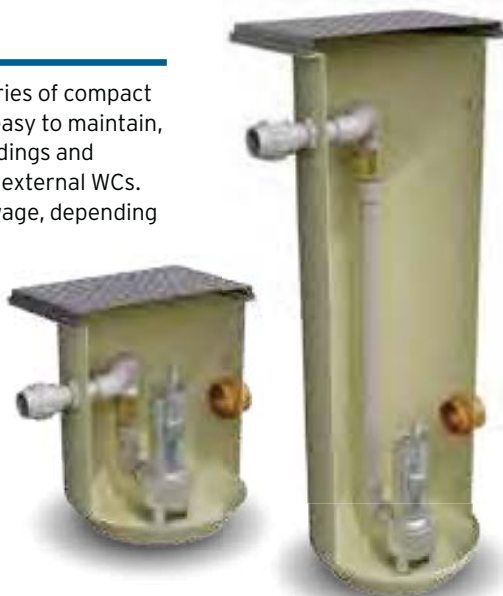
From basements to caravans, extensions to courtyards. If your property isn't connected to the sewer, or if it's below the sewer line, our pump systems will take care of all your water, sewage and effluent. They can be used in properties both on and off the mains.

PUMPSTOR COMPACT PUMP SYSTEMS

Our proven range now includes a series of compact pump systems. Quick to install and easy to maintain, they're the ideal solution for outbuildings and extensions, cellars, pool houses and external WCs. They can be used for effluent or sewage, depending on the pump, distance and height.

FEATURES

- Non-return valves and outlet pipe compression coupling as standard.
- 3 pump options; effluent low head, effluent high head and sewage vortex.
- Service and maintenance plans available to prolong the life of the pump systems.
- Complete pre-fabricated solution ready for installation.
- Fully automatic.



COMPLY WITH BUILDING REGULATIONS

- Specialist site assessment recommended prior to site installation of any wastewater system.
- Klargest offer 50 years experience.

For a **FREE** site visit call:
01296 633 033

Chamber Size	Capacity (Ltrs)	Tank Material	Control Panel	Alarm	Pump Type
610 x 700	200	GRP	N/A	Optional	Single
560 x 1650	400	GRP	N/A	Optional	Single

PUMPSTOR DOMESTIC & DOMESTIC+

Our domestic pumping stations are ideal for homes or properties with up to 13 people.

Quick and simple to install, they require minimal maintenance. They come with single or twin pumps, and are suitable for sewage, surface water and effluent. Appropriate for 24 Hour storage requirements.

DOMESTIC

Chamber Size	Capacity (Ltrs)	Tank Material	Control Panel	Alarm	Pump Type
900 x 2080	1,250	GRP	Included	Optional	Single/Twin
560 x 1650	1,600	GRP	Included	Optional	Single/Twin

DOMESTIC+

Chamber Size	Capacity (Ltrs)	Tank Material	Control Panel	Alarm	Pump Type (mm)
1000 x 2000	1450	Polyethylene	Included	Standard	Single/Twin
1000 x 2500	2200	Polyethylene	Included	Standard	Single/Twin



Domestic

Domestic+

SEPARATORS

A Range of Fuel/Oil Separators



Surface water drains normally discharge to a watercourse or indirectly into underground waters (groundwater) via a soakaway. Contamination of surface water by oil, chemicals or suspended solids can cause these discharges to have a serious impact on the receiving water.

Where run-off is draining from relatively low risk areas such as car-parks and non-operational areas, a source control approach, such as permeable surfaces or infiltration trenches, may offer a suitable means of treatment, removing the need for a separator. Oil separators are installed on surface water drainage systems to protect receiving waters from pollution by oil, which may be present due to minor leaks from vehicles and plant, from accidental spillage.

Effluent from industrial processes and vehicle washing should normally be discharged to the foul sewer (subject to the approval of the sewerage undertaker) for further treatment at a municipal treatment works.

FULL RETENTION SEPARATORS

Full retention separators treat the full flow that can be delivered by the drainage system, which is normally equivalent to the flow generated by a rainfall intensity of 65mm/hr.

On large sites, some short term flooding may be an acceptable means of limiting the flow rate and hence the size of full retention systems.



FEATURES

- Fitted inlet / outlet connections.
- Vent points within necks.
- Maintenance from ground level.
- Oil alarm probe tube optional extra.
- GRP or PE on model construction dependent.
- Certified to EN 858-12 and PPG3
- Designed for easy installation.

ORDERING CODE	Flow (l/s)	Drainage Area (m ²) PPG-3 (0.018)	Storage Capacity (Ltrs)		Length (mm)	Diameter (mm)	Base Inlet Invert (mm)	Base to Outlet Invert (mm)	Min. Inlet Inlet (mm)	Standard Pipework Diameter (mm)
			Silt	Oil						
NSFP003	3	170	300	30	1700	1350	1420	1345	500	160
NSFP006	6	335	600	60	1700	1350	1420	1345	500	160
NSFA010	10	555	1000	100	2610	1225	1050	1000	500	200
NSFA015	15	835	1500	150	3910	1225	1050	1000	500	200
NSFA020	20	1115	2000	200	3200	2010	1810	1760	1000	315
NSFA030	30	1670	3,000	300	3915	2010	1810	1760	1000	315
NSFA040	40	2225	4000	400	4640	2010	1810	1760	1000	315
NSFA050	50	2780	5000	500	5425	2010	1810	1760	1000	315
NSFA065	65	3610	6500	650	6850	2010	1810	1760	1000	315
NSFA080	80	4445	8000	800	5744	2820	2500	2450	1000	300
NSFA100	100	5560	10000	1000	6200	2820	2500	2450	1000	400
NSFA125	125	6945	12500	1250	7365	2820	2500	2450	1000	450
NSFA150	150	8335	15000	1500	8675	2820	2550	2450	1000	525
NSFA175	175	9725	17500	1750	9975	2820	2550	2450	1000	525
NSFA200	200	11110	20000	2000	11280	2820	2550	2450	1000	600

■ Rotomoulded chamber construction ■ GRP chamber construction

SEPARATORS

A Range of Fuel/Oil Separators



BYPASS SEPARATORS

Bypass separators fully treat all flows generated by rainfall rates of up to 6.5mm/hr. This covers over 99% of all rainfall events. Flows above this rate are allowed to bypass the separator.

These separators are used when it is considered an acceptable risk not to provide full treatment for high flows, for example where the risk of a large spillage and heavy rainfall occurring at the same time is small.



ORDERING CODE	Flow (l/s)	Peak Flow Rate (l/s)	Drainage Area (m ²)	Storage Capacity (Ltrs)		Length (mm)	Diameter (mm)	Access Shaft Diameter (mm)	Base Inlet Invert (mm)	Base to Outlet Invert (mm)	Standard Fall Across (mm)	Min Inlet Invert (mm)	Standard Pipework Diameter (mm)
				Silt	Oil								
NSBP003	3	30	1670	300	45	1700	1350	600	1420	1320	100	500	160
NSBP004	4.5	45	2500	450	60	1700	1350	600	1420	1320	100	500	160
NSBP006	6	60	3335	600	90	1700	1350	600	1420	1320	100	500	160
NSBE010	10	100	5560	1000	150	2069	1220	750	1450	1350	100	700	315
NSBE015	15	150	8335	1500	225	2947	1220	750	1450	1350	100	700	315
NSBE020	20	200	11111	2000	300	3893	1220	750	1450	1350	100	700	375
NSBE025	25	250	13890	2500	375	3575	1420	750	1680	1580	100	700	375
NSBE030	30	300	16670	3000	450	4265	1420	750	1680	1580	100	700	450
NSBD036	36	360	20000	3600	540	3915	2012	600	2110	2010	100	1000	525
NSBD055	55	550	30560	5500	825	5085	2820	600	2310	2060	250	1500	750
NSBD072	72	720	40000	7200	1080	5820	2820	600	2310	2060	250	1500	750
NSBD084	84	840	46670	8400	1260	6200	2820	600	2310	2010	300	1500	750
NSBD096	96	960	53340	9600	1440	7375	2820	600	2310	2010	300	1500	825
NSBD110	110	1100	61110	11000	1650	7925	2820	600	2360	2010	350	1500	825
NSBD130	130	1300	72225	13000	1950	8725	2820	600	2360	2010	350	1500	825

Rotomoulded chamber construction
 GRP chamber construction

*Some units have more than one access shaft - diameter of largest shown.

FORECOURT SEPARATORS

Forecourt separators are full retention separators specified to retain on site the maximum spillage likely to occur on a petrol filling station. They are required for both safety and environmental reasons and will treat spillages occurring during vehicle refuelling and road tanker delivery. The size of the separator is increased in order to retain the possible loss of the contents of one compartment of a road tanker, which may be up to 7,600 litres.



Enviro-ceptor Class	Backfill Type	Total Capacity (Ltrs)	Drainage Area (m ²)	Peak Flow Rate (l/s)	Length (mm)	Diameter (mm)	Access Shaft Diameter (mm)	Base Inlet Invert (mm)	Base to Outlet Invert (mm)	Std. Fall Across Unit (mm)	Min. Inlet Invert (mm)	Standard Pipework Diameter (mm)	Empty Weight (kg)
I	Concrete	10000	720	15	3915	2020	600	2180	2130	50	600	160	620
II	Concrete	10000	720	15	3915	2020	600	2180	2130	50	600	160	620

WASHDOWN AND SILT

This unit can be used in areas such as car wash and other cleaning facilities that discharge directly into a foul drain, which feeds to a municipal treatment facility.

If emulsifiers are present the discharge must not be allowed to enter an NS Class I or Class II unit.



ORDERING CODE	Total Capacity (Ltrs)	Max. Rec. Silt (Ltrs)	Max. Flow Rate (l/s)	Length (mm)	Diameter (mm)	Access Shaft Diameter (mm)	Base Inlet Invert (mm)	Base to Outlet Invert (mm)	Standard Fall Across Unit (mm)	Min. Inlet Inlet (mm)	Standard Pipework Diameter (mm)	Approx. Empty (kg)
W1/010	1000	500	3	1123	1225	460	1150	1100	50	500	160	60
W1/020	2000	1000	5	2074	1225	460	1150	1100	50	500	160	120
W1/030	3000	1500	8	2952	1225	460	1150	1100	50	500	160	150
W1/040	4000	2000	11	3898	1225	460	1150	1100	50	500	160	180
W1/060	6000	3000	16	4530	1440	600	1360	1310	50	500	160	320
W1/080	8000	4000	22	3200	2020	600	2005	1955	50	500	160	585
W1/100	10000	5000	27	3915	2020	600	2005	1955	50	500	160	680
W1/120	12000	6000	33	4640	2020	600	2005	1955	50	500	160	770
W1/150	15000	7500	41	5435	2075	600	1940	1890	50	500	160	965
W1/190	19000	9500	52	6865	2075	600	1940	1890	50	500	160	1200

BELOW GROUND WATER STORAGE TANKS AND CESSPOOLS

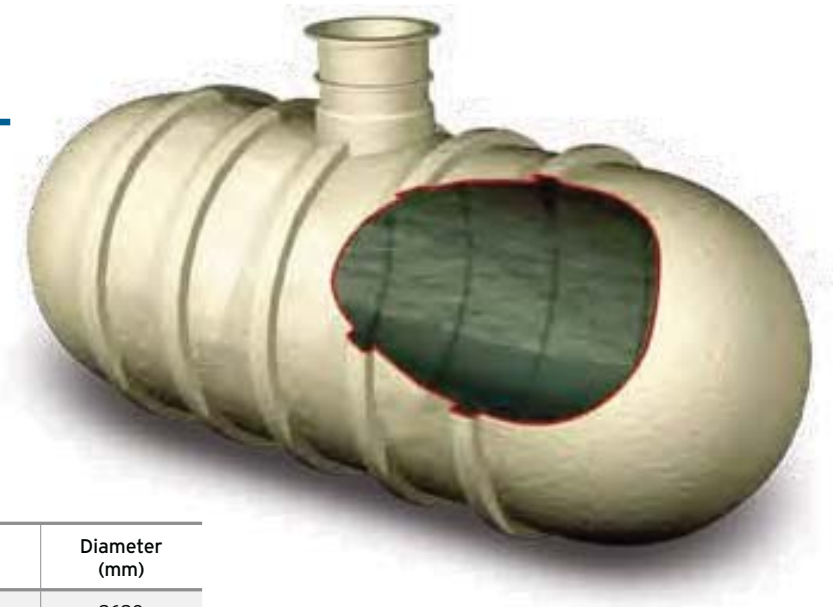
For Effective Collection and Containment



Klargester **below ground storage tanks** provide a reliable solution for the collection and retention of sewage (cesspool), surface water, veterinary / animal waste, firefighting reservoirs and rainwater harvesting reservoirs.

KLARGESTER BELOW GROUND STORAGE TANKS

- Designed in accordance with BS6297.
- Easy installation.
- High level alarm option.
- Lockable manhole cover.



Nominal Litres	Capacity (Gallons)	Length (mm)	Diameter (mm)
18,000	3960	4317	2620
22,000	4889	5073	2620
26,000	5720	5837	2620
34,000	7480	7376	2620
46,000	10,120	9684	2620
54,000	11,880	11,222	2620
59,000	12,968	11,991	2620
63,000	13,860	12,760	2620
71,000	15,620	14,295	2620
79,000	17,380	15,833	2620

GREASE & SILT TRAPS

For The Removal of Fats and Grease from Wastewater



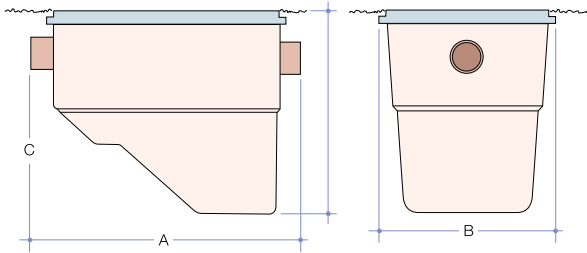
Klargester Grease Traps: An effective and hygienic method of separating fat and grease from wastewater flow. Grease traps are designed for small restaurants, public houses and canteens.

KLARGESTER GREASE TRAPS

- Greatly reduce incidents of blocked drains from catering establishments.
- Improve the performance of septic tanks and field drains.
- Prevent contamination of small sewage treatment plants.



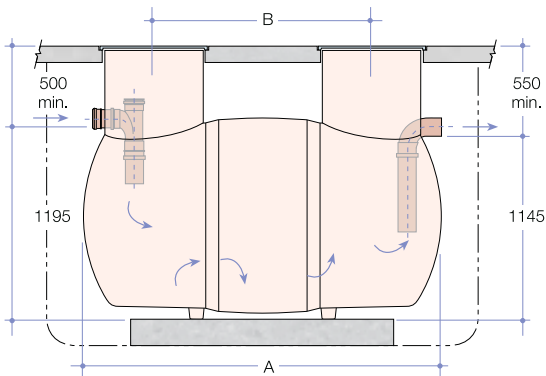
Model No.	Grease Capacity (Gallons)	Length (mm)	Width (mm)	Height (mm)	Weight Empty/Full (kgs)
2	23	3960	4317	2620	50/475
4	45	4889	5073	2620	120/1410



GREASE SEPARATOR

- For applications such as larger restaurants, hotels, etc. where a grease separator should be considered to give additional volume.

Separator Model	Dimensions		Working Capacity	Approx. Weight		Fall Across Unit
	A	B		Empty	Full	
G2B020	2210	1340	2000 litres	100kg	2200kg	50
G2B030	3060	2190	3000 litres	130kg	3180kg	50
G2B040	3910	3040	4000 litres	160kg	4160kg	50



MAXIMISE

YOUR BUSINESSES ENERGY AND WATER EFFICIENCY



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OFFER A RANGE OF
**COMPREHENSIVE
COMMERCIAL
SOLUTIONS**
FOR EVERY PROJECT



Whether you are involved in water management projects or a housing development, large commercial build, school, caravan park or nursing home, we have a range of solutions for you.

- ◀ Commercial Sewage Treatment Systems
- ◀ Oil / Water Separators
- ◀ Pump Systems
- ◀ Stormwater Attenuation
- ◀ Rainwater Harvesting

To help you find the right system for your project, our specialist specification team will carry out a **FREE** site assessment, supported by system design.

Delivery is efficient and installation is guaranteed by our Accredited Installers.

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01296 633 033

Sales Hotline: 0844 846 0500

Email: info@kingspanenvservice.com

Web: www.kingspanenvservice.com

SERVICES, PARTS & SPARES

Service Plans	94
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Parts and Spares	95
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DOMESTIC SERVICE PLANS

Whether you have a septic tank, sewage treatment plant, rainwater harvesting system, pump station, fuel tank, solar thermal tubes, hot water cylinders or heat pump systems we offer various service plans that you can offer your customers, giving them peace of mind they will operate and function 24/7 with the minimum amount of hassle.

OUR SERVICE PLANS ON OFFER

We offer gold, silver and bronze packaged plans for domestic applications that are also entrusted by building owners, managers, facility engineers and businesses to repair and maintain their energy and water systems of all makes and models. We believe in preventative maintenance and by monitoring a systems performance any problems can be identified before they might go wrong.

OTHER SERVICES WE OFFER

- Planned Maintenance and Breakdown Repair.
- Activation or Commissioning of new Kingspan Systems.
- Parts & Spares.
- Dedicated Account Management and Technical Assistance.
- Desludging, CCTV Drain Inspections, Drain Clearance/Jetting.
- Sampling & Grease Management.

WHAT OUR SERVICE PLANS OFFER YOU

	 Gold	 Silver	 Bronze	Non-Contracted
Replacement parts	FREE*	10% off	Normal price	Normal price
Call out charge	FREE*	50% off	50% off	Normal price
Additional labour	FREE*	Yes	Normal price	
Priority site attendance for call outs	Yes	Yes	Yes	No
Routine maintenance visits	Yes	Yes	Yes	No
Reduced tankering/desludge	Yes	Yes	No	No
Technical support	Yes	Yes	Yes	No

* Replacement for fair wear and tear only. Regional variations apply.

BENEFITS OF OUR UNIQUE SERVICE PLANS

- Competitive service rates.
- Easy pay direct debit option.
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- Reduced labour charges for call-outs.
- Keep compliant in accordance with Environment Agency guidelines and in-line with manufacturer's guidelines.
- Qualified Mechanical and Electrical factory trained Engineers with British Water Accreditation.
- Competitive bundled service plans to accommodate more than one product.
- Personalised account management.
- Experience less breakdowns with regular servicing.

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Our parts and spares are
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your local merchant".

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- ▶ Rainwater Harvesting
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This in-house availability means you receive a genuine part quickly and backed with expert advice if required for our full range of products.

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Email: sales@titanenv.com
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Web: www.klargester.com

KINGSPAN SERVICES

Sales Hotline: 0844 846 0500
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KINGSPAN ENVIRONMENTAL SALES OFFICE LOCATIONS

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Rainwater Harvesting,
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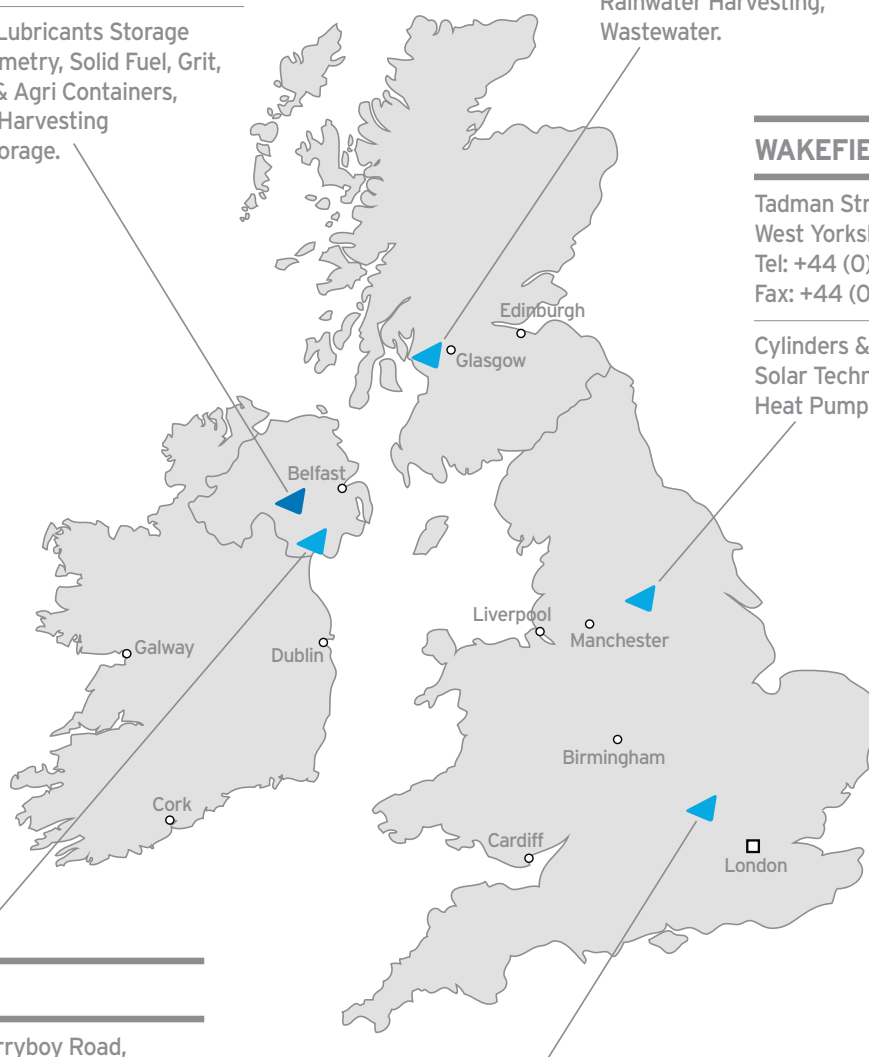
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Fax: +44 (0) 28 3026 0046

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