



Quotation for the supply of Rainwater Harvesting Equipment

Client:

Sarah Gook

Site Reference:

Lancaster Cottage

Prepared by:

Tim Chantrell

tim.chantrell@rainwaterharvesting.co.uk

01733 405119

Our reference : TC122568

Date of proposal : 28/07/2025



Your Proposal

Thank you for your continued interest in Rainwater Harvesting and as requested please find the following information regarding our proposed system for Lancaster Cottage.

Listed in this proposal is a Direct Feed Rainwater Harvesting System with a 5000 and 7500 litre Below Ground Tank.

All the systems are supplied with a pedestrian shaft and lid for the below ground tanks. If the tank were to be placed below a driveway then these items would need to be upgraded to driveable versions.

Mechanical off-loading of the tanks is preferred but as long as there are 3 or 4 bodies on site at the time of delivery then off-loading should not present to many issues.

Rainwater Harvesting Limited is a private family owned company, our strong service ethos has been built on many years of experience and this is reflected in our ability to offer both simple to install rainwater harvesting systems and mix and match components to provide bespoke solutions reflecting clients needs. At our 100,000sq ft warehouse in Peterborough we hold over 3000 stock items, we are the largest stockholder of the Shallow Dig Rewatec tanks in the UK and we regularly despatch to site complete rainwater harvesting systems within 5-7 days of order.

Generally, a rainwater harvesting system is simple in concept however the differences in design and performance vary greatly from supplier to supplier, the fact that we manufacture as well as supply enables us to help you specify the right system for your project at an aggressive price, we also provide full technical support on all our products.

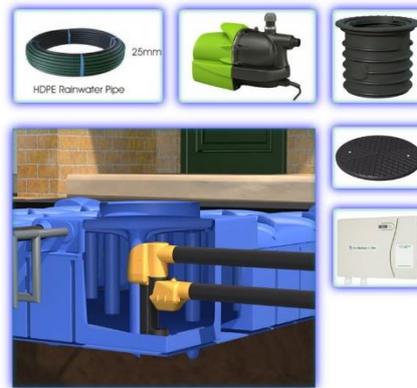
We would welcome the opportunity of supplying your rainwater harvesting system and I can easily be contacted either by phone or email as shown on the previous page



Components and Prices – Supply Only

Option 1

Product Code : **RWH-5099FL-DUK2.**
5000 Litre Shallow Dig Direct Feed System



Components

Product Code	Description	Qty
RWFT5000	F-LINE 5000L TANK	1
RWDS0062	F-LINE TANK 635mm EXTENSION SHAFT - VS60	1
RWDS0066	F-LINE TANK WALK ON LID	1
RWH-RV01	RAINVANTAGE FILTER KIT INC SIPHON & OVERFLOW	1
RWH-HYD04	HYDROFORCE SERIES 4 PUMP / INC STRAINER	1
RWH-HDPE25/25	25mm HDPE RAINWATER PIPE - 25m ROLL	1
RWH-BUB03	RAIN BACKUP IN A BOX / SD	1
RWH-PKFLINE-STD	FLINE INSTALLATION PACK STANDARD / INC LABELS & 90° ELBOW	1

Price : £2,735.00 (£3,282.00 Inc. VAT)

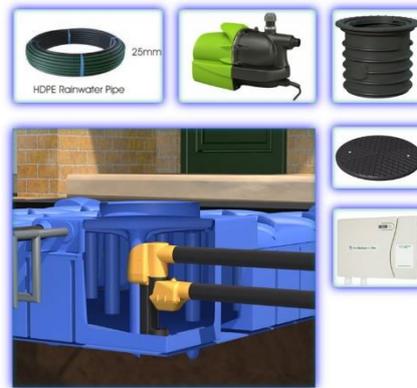
UK delivery is included in the price (Highlands and islands extra)



Components and Prices – Supply Only

Option 2

Product Code : **RWH-7599FL-DUK2.**
7500 Litre Shallow Dig Direct Feed System



Components

Product Code	Description	Qty
RWFT7500	F-LINE 7500L TANK	1
RWDS0062	F-LINE TANK 635mm EXTENSION SHAFT - VS60	1
RWDS0066	F-LINE TANK WALK ON LID	1
RWH-RV01	RAINVANTAGE FILTER KIT INC SIPHON & OVERFLOW	1
RWH-HYD04	HYDROFORCE SERIES 4 PUMP / INC STRAINER	1
RWH-HDPE25/25	25mm HDPE RAINWATER PIPE - 25m ROLL	1
RWH-BUB03	RAIN BACKUP IN A BOX / SD	1
RWH-PKFLINE-STD	FLINE INSTALLATION PACK STANDARD / INC LABELS & 90° ELBOW	1

Price : £3,160.00 (£3,792.00 Inc. VAT)

UK delivery is included in the price (Highlands and islands extra)



Mains backup and rainwater management

Direct feed with simple, 12v automatic float switch & solenoid valve for mains water backup

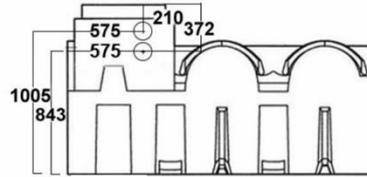
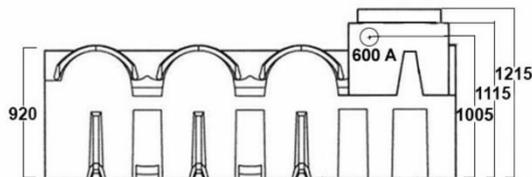
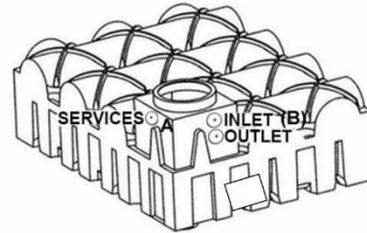
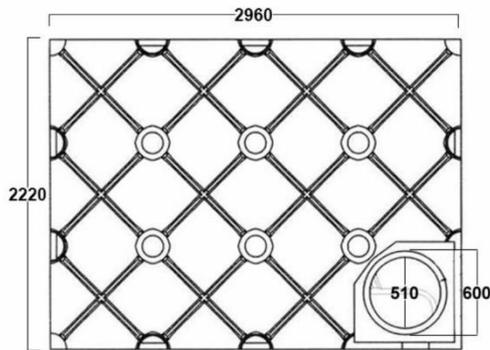
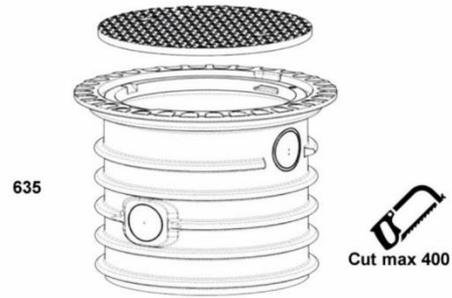
Most often used on a direct feed system, the automatic electrically-actuated solenoid valve (or tap) admits some mains water into the rainwater storage tank as a simple means of maintaining water flow to toilets and washing machine fed by a rainwater harvesting system. This method is sometimes referred to as a trickle-feed mains backup.

- a) Filtered rainwater flows as normal to the tank
- b) The home is plumbed with a separate pipe network for toilets and washing machine.
- c) When there is rainwater in the tank the pump supplies rain water to the toilets and washing machine. The principle is the same whether the pump is indoors or submerged in the tank.
- d) The pump is a pressure sensitive type or fitted with a pressure-sensitive switch which turns off when water is not being used in the house.



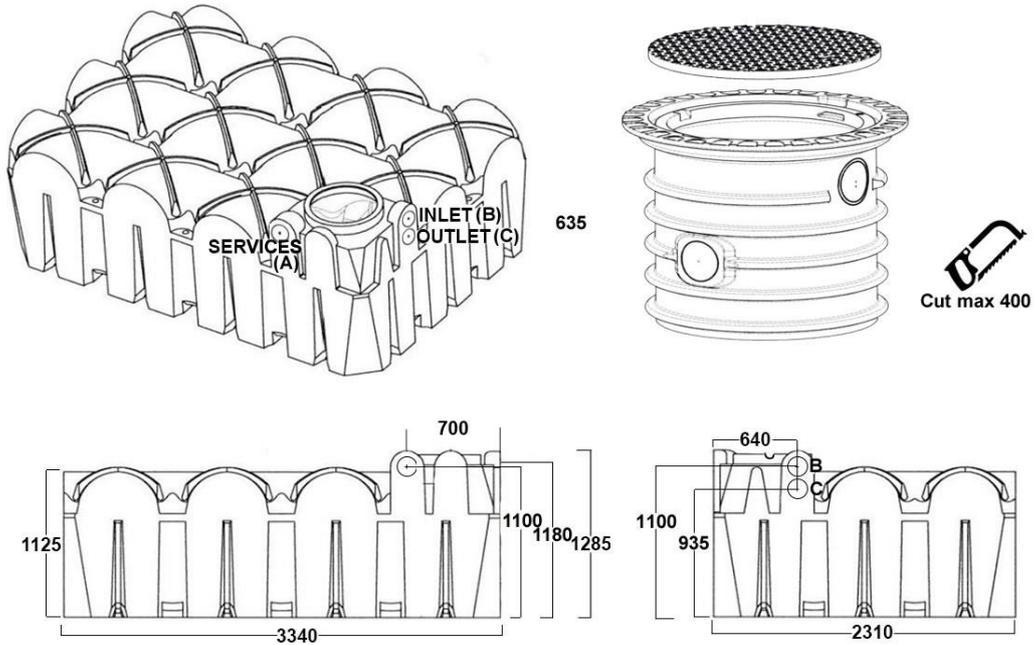
- e) When the tank is nearly empty a float switch turns ON a mains-powered solenoid valve which allows some mains water to flow into the rainwater tank.
- f) The provision of a "Air Gap" is a regulation requirement. This i) provides a visible warning of water flow if the valve sticks open and ii) prevents any possibility of rain water flowing into the mains (drinking) water. After a few moments the floating switch turns the solenoid valve OFF.
- g) Although this simple mains backup can be criticised by some for admitting mains water back into the rainwater tank, it should be pointed out that the tank remains largely empty and can receive new rain water from a downpour at any time.
- h) This is sometimes referred to as "trickle feed" because the tank does not get filled up with water; the level is simply lifted to the level (about 10 cms) where the inlet of the pump can draw water when next called upon.
- i) There is no risk of rainwater being drawn into the mains water supply so there is no risk of breaching building regulations in this respect.
- j) To ease the installation of a variety of components and rather complex wiring, RainWaterHarvesting.co.uk introduced in early 2009 the Rain Backup in a Box® which replaced the higgly piggle of components with a single wall mounted unit, one 12v electric plug to a wall socket, mains water input and a pipe to the underground storage tank. This is supplied as a default with "standard" DUK-2 kits.

5000L F-Line





7500L F-Line





F-Line Flat Tank shallow dig underground tank



Why buy this tank?

- The F-Line is a high quality, rotationally moulded, one piece rainwater tank that can be installed without the need for concrete, thereby minimising installation costs and supported by our long term 25 year tank guarantee.
- Minimal installation depth
- Easy and quick to install
- Small excavation pit and little earth excavation preserves your garden
- Ideal for installation in new or existing properties
- Can be installed in ground water up to tank shoulder
- Easy to install

The F-line flat tank can be installed into much higher water tables than a standard round tank. If you don't know what your water table will be like in the winter, you're safer to install a flat tank. The F-Line tanks are flat and the installation depth is up to 60% less than other rainwater tanks. The excavation can be up to 70% less, meaning little earth excavation, easy handling and less cost for you! The small excavation pit is easily filled in and your garden will look just like it did before.



The **Series 4** water pump from HydroForce Pumps Ltd.

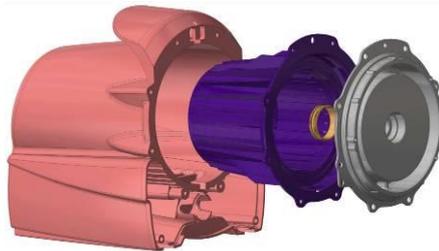


The Series 4 pump has been engineered by HydroForce Pumps Ltd in Peterborough to respond to the demand for the highest quality pump for use underwater in rainwater harvesting tanks. Using the most rugged components it has been exhaustively tested for trouble-free running. The pump features a self-controlling pressure switch and dry run protection. It is suitable for total immersion in rainwater or it can be externally connected to the tank above ground. The Series 4 will

deliver up to 3.5 bar (household pressure is around 2.5-4.0 bar). If connected to a hose or tap, the pump will automatically start to pump water when the tap or hose is turned on. The pump delivers over 2500 litres per hour using a 1" connector and runs at 230v AC delivered by a 5 metre cable.

Specifications

- Submersible: for underwater use in a rainwater tank, or can be used above ground
- Extended two year guarantee
- Nominal pump pressure at outlet 3.5 bar
- Max head 35 metres
- Pressure-sensitive (demand) pump: turns itself off until there is demand for water
- Dry-run Protection: when no water is detected for 8 seconds, the pump is turned off in order to protect the motor and pump from burning out. Automatic reset after a period of 30 minutes.
- Radial flow centrifugal roto-dynamic pump with no reciprocating parts



- **New:** Alloy bulkhead, pressure release gap and twin chamber design prevents ingress of water to motor, electrical components and to bearing oil.

- **New:** Double bearing seal prevents egress of bearing oil.

- **New:** Alloy bulkhead dissipates motor heat to water in the second chamber.

- **New:** Logic processors in Series 4 printed circuit board prevent other pump anomalies

and permit factory programming of reset timings.

- **New:** Each pump is tested before leaving our factory. Factory measurements are on record for each individual pump. No user-serviceable parts
- Electricity consumption 800 watts at 230 Volts AC 50 Hz (requires 10 or 13 amp fuse and RCD mains socket). Connection cable 10m H07RN-F.
- Dimensions L 565 W 185 H 260 mm, weight 12 kg



Recommended Rainwater Pipe

Rainwater Pipe in HDPE (High Density Polyethylene) for rainwater use as recommended by Water Authorities is available as an option for all tanks and systems. Black with 4 green stripes and available in both 25mm and 32mm diameter. High quality HDPE.

RainWater Harvesting Limited has worked with the UK Rainwater Harvesting Association and listened to WRAS and several of the water companies, to bring to the market the pipe marked with four green stripes. The identification helps maintenance staff and the end user, after installation, to know which pipes on site carry rainwater (which is non-potable in the UK Building Regs). We stock the following two sizes preferred by contractors fitting rainwater systems.



25mm diameter,
flexible, in 25 or 50m coils
Product ID: RWH-HDPE25/25

Ship weight of one 25m coil: 4.3 kg



32mm diameter,
flexible, in 25 or 50m coils
Product ID: RWH-HDPE32/25

Ship weight of one 25m coil: 5.5 kg

Other sizes available upon request

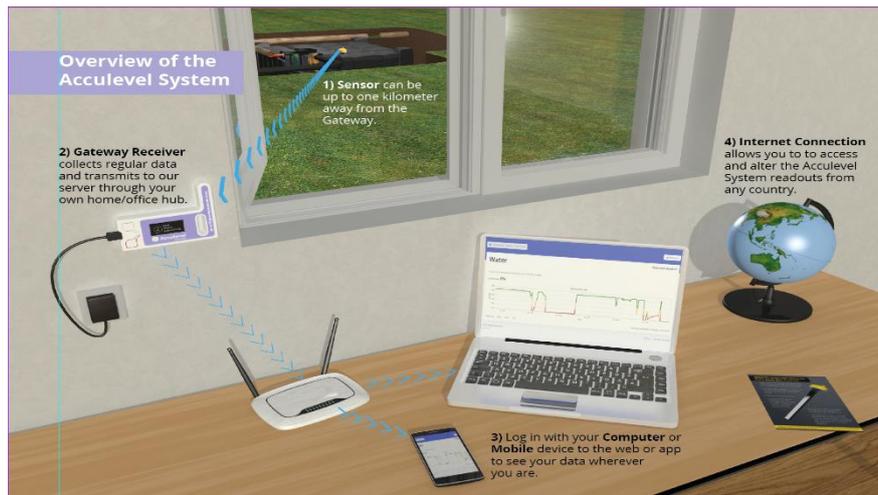




Rain Acculevel Rainwater Level Sensor

Wireless Tank Level Sensor for the F-Line Tank

Add to your system for
£149.00 ex VAT



The Rain Acculevel will accurately measure the water level in your rainwater tank giving readings that you can view on a PC or smart device. Using the latest wireless technology it works on tanks below or above ground and over long distances.

The level is measured every 15 minutes enabling you to build up a history of your water use.

Once placed in your water tank the Rain Acculevel sends signals to a small receiver called a Gateway. The gateway sends the data via your home hub to your own on-line account at tanklevels.co.uk

The Acculevel is powered by a long life battery (up to five years) and the Gateway via USB port or plug.

The Acculevel will work anywhere as long as the Gateway is within signal distance of your a home hub (or router).





Why Choose Us?

There are many types of rainwater harvesting systems on the market. It is crucial to pick the correct system because once the system is in it becomes expensive to fix any problems thereafter!

We may not be the cheapest on the market but below are some reasons why so many customers have chosen Rainwater Harvesting Limited to supply their systems :

- Family business
- Over 18 years industry experience
- **WRAS Approved Systems** so no problems with the water inspectors on site
- Experts in the field of Rainwater Harvesting
- Not just box shifters, we manufacturer our own systems, filter, pump etc in the UK
- Full technical support – we really do know all about the systems we supply
- Probably the largest supplier of RWH systems for the domestic market in the UK
- Pre Sales advice to make sure you get the most appropriate system for your project
- Experienced in supplying single dwellings to large multi home developments
- Fully stocked, delivery usually with 5-7 days of order in most cases with our own drivers
- Complete systems supplied so no nasty surprises on site
- Shallow dig tanks which come with the filter, overflow siphon etc factory fitted for ease of install
- 4.8 Excellent rating on Trustpilot