

# RTSCELBK - Professional Utility Tank System (pump outside tank)

## Included components:

- 1500L Utility Tank
- SteelPump with:
  - Multi-hosetail Reducer
  - Handle
  - Pump to Tank Connector
- Filter Collector Universal



## 1. About your Utility Tank

- 1.1. The tank must be installed on a flat, level surface.
- 1.2. The Utility Tank holds 1500L of water. This equates to 1500Kg (1.5 tonnes) when full.
- 1.3. It is approximately 1200mm wide x 780mm deep x 2080mm high. It has a 480mm diameter neck (with lid) at the top.
- 1.4. Where the water butt cannot be located within 30 cm of the down pipe, longer kits (Universal Long Link Kits) are available from your Supplier.
- 1.5. The Utility Tank is supplied with 2 x 3/4" threaded ports. The lower one can be used either as a drain-down point or to connect the tank to another tank with a connecting hose. The higher threaded hole is generally used to connect an outlet hose or tap for filling a watering can.
- 1.6. All other tank holes need to be drilled (using the parts supplied) at points convenient for your rainwater harvesting or water storage needs.
- 1.7. As with any water tank, if the tank is to be used in an unheated area where there is a risk of complete freezing throughout, it should be emptied during cold weather and the pump removed and drained of water to minimise the risk of frost damage.

## 2. About your SteelPump

- 2.1. Your pump is a Horizontal X-AJE80B Automatic SteelPump. It has a unique Serial Number.
- 2.2. The instructions for installing and using your SteelPump are included with the pump along with supplemental notes for installing the SteelPump with a Float Switch.
- 2.3. The Float Switch cuts the power to the SteelPump when the water goes below the Red Switch. This ensures the pump doesn't run when there is no water in the tank.
- 2.4. Your pump will be installed outside the tank.

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- 2.5. The inlet (1") for your pump is on the side of the pump, the outlet (1 ¼") on the top. The Non-return Valve (NRV) included in the SteelPump box **MUST** be fitted to the pump inlet.
- 2.6. The pump comes with 10m of electrical cable with plug as standard.
- 2.7. It is essential for your warranty (and peace of mind) that your SteelPump installation is fully commissioned before use. This should be done by a professional person if necessary.

### **3. About your Filter Collector**

- 3.1. This RTSCELBK Kit comes with a 3P Filter Collector Universal (FCU).
- 3.2. The FCU filters the rainwater and also diverts the water from your downpipe to your Utility Tank.
- 3.3. Full installation instructions for the FCU are included in the FCU packaging.

### **4. Installing your Professional Utility Tank System – Before you begin**

**Note:** This is not a comprehensive electrical installation document and is intended as guidance only. It is assumed that any necessary electrical installation works will be carried out by qualified personnel with a full understanding of electrical regulations and the requirements concerning the installation of mains voltage equipment.

- 4.1. Read these instructions through in full before you begin.
- 4.2. Check screw-terminal connections and earth bonding.
- 4.3. Install a suitable residual current device to isolate and protect in the event of leakage to earth. The RCD must break live and neutral.
- 4.4. Do not apply power to the completed installation until all supplied items are fully installed.
- 4.5. Final determination of the suitability of any information or material for your intended use and manner of use is your sole responsibility and you must assume all risk and liability in this regard.
- 4.6. **If in any doubt during installation, please consult a professional tradesman.**

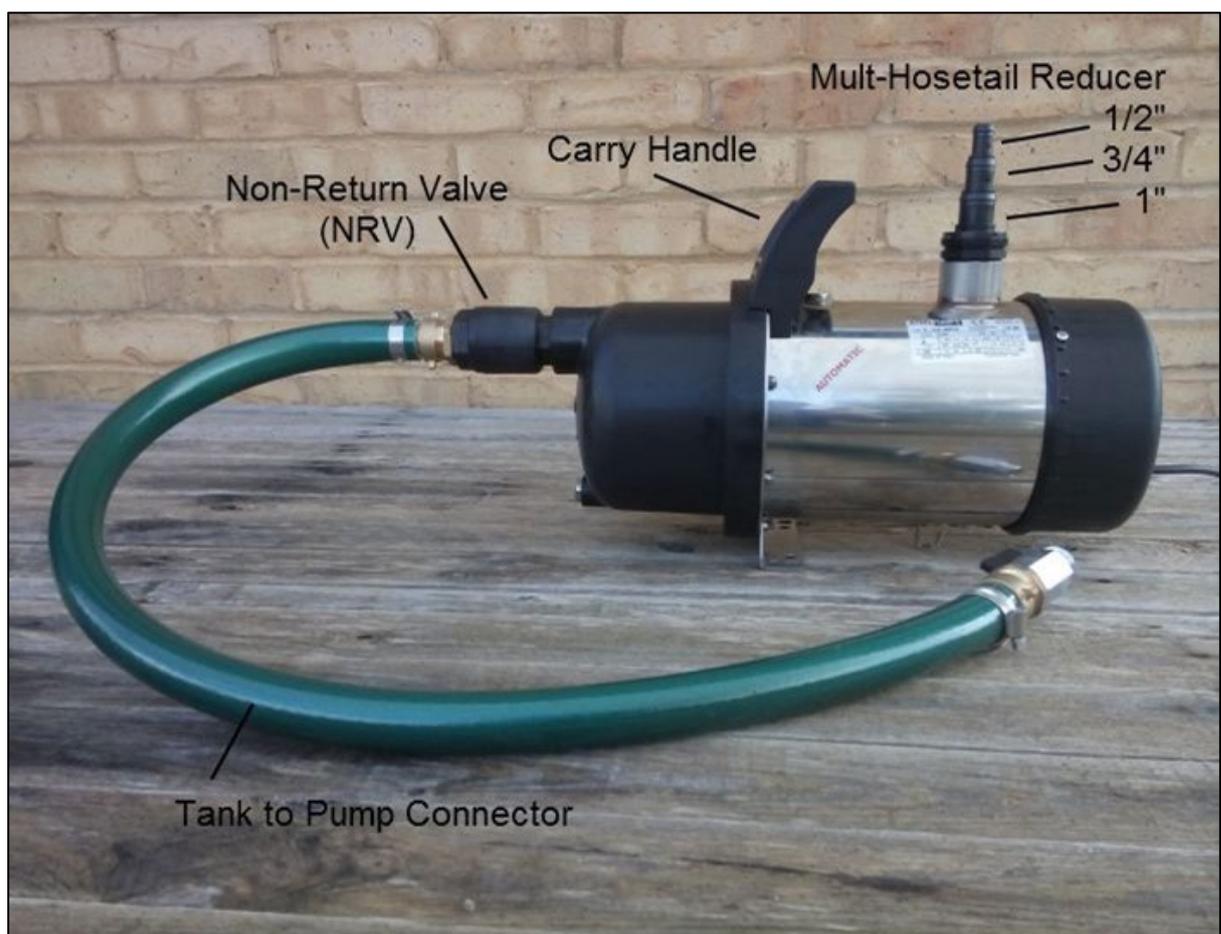
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### 5. How to determine where to install the tank

5.1. Determine the optimum position of your utility tank bearing in mind;

- it must be installed on a flat even surface,
- it can be no more than 30cm from your downpipe (unless a Long Link Kit has been purchased),
- the side of the tank you want the water to be pumped out from,
- the length of the electricity cable in relation to your socket.

### 6. Prepare your SteelPump



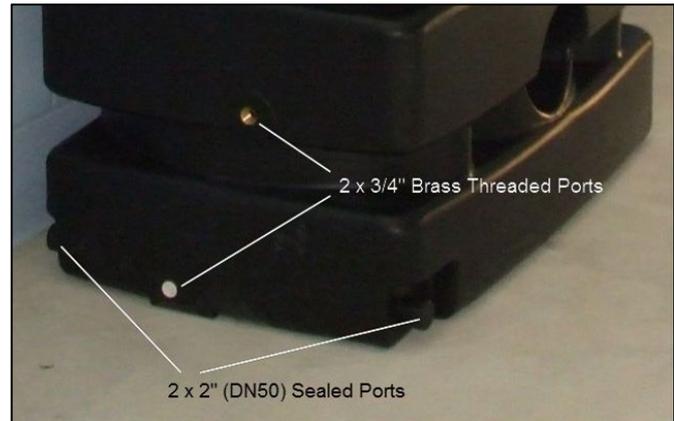
**SteelPump assembly prior to connecting to the Tank**

- 6.1. Connect the Non-return Valve to the inlet of the pump (side threaded port). Use PTFE tape to ensure a watertight connection.
- 6.2. Prime the SteelPump following the instructions in the SteelPump manual.
- 6.3. Fit the 1 ¼" hosetail to the water outlet port. Ensure it is fully watertight. Use PTFE tape.

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### 7. Prepare your Tank

- 7.1. Determine which of the  $\frac{3}{4}$ " connection ports you are going to connect the Pump to tank connector to.
- 7.2. Make sure the bung at the other bottom port of the tank is tight and secure if you are not installing taps etc.



### 8. Connect your tank to your downpipe

- 8.1. Connect your tank to your downpipe following the instructions included with your Filter Collector Universal.

### 9. Check the system

- 9.1. Fill the tank half full with water
- 9.2. Check the tank/lower connection ports for leaks.
- 9.3. Turn on the pump and check for leaks.
- 9.4. Commission the installation.