



Water & Sewage
Pumping and
Treatment Engineers

The Pump People.

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Rainwater Harvesting

Rainwater harvesting is a wonderful way to use this precious water resource which would otherwise be wasted - and it's free!

The average rainfall in the U.K. is over one metre per year.

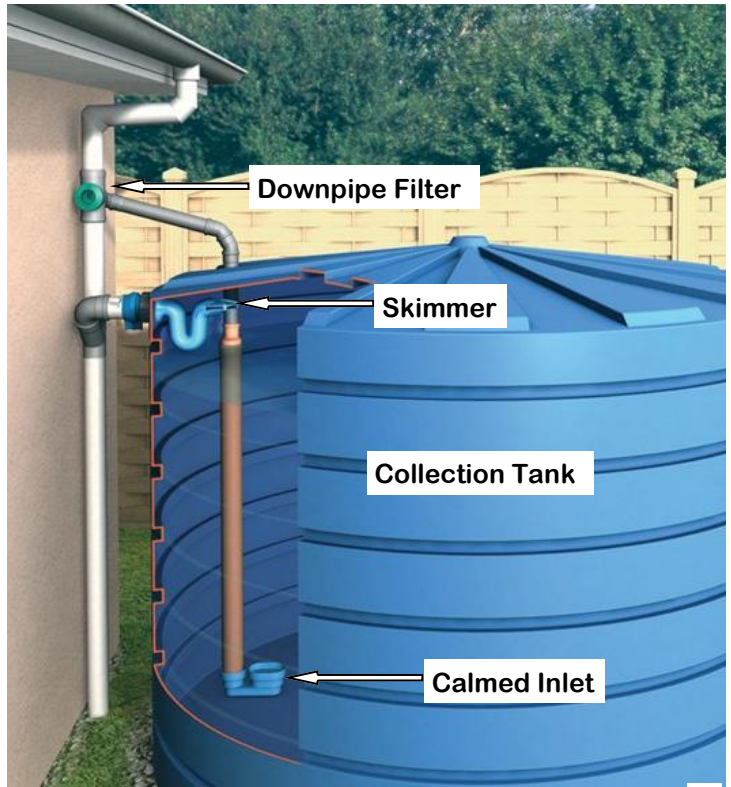
The uses of an alternative water supply to costly "mains" are for car washing, garden watering, toilet flushing and many more.

The most costly item in any scheme is the collection tank. This should be as large as possible especially if garden watering is one item you value. This stored this water effectively rises in value when a "hose pipe ban" is enforced on "mains" users. Storage tanks above ground are cheaper than underground tanks as well as being much easier to install. See our sample price list later in this leaflet.

Roofs are the ideal first stage in collecting rainwater, but it should be remembered the rain has passed through our atmosphere and has collected dust and other particles on the way down, as well as debris from the roof. We offer many pre-tank filters such as the Downpipe Filter that is designed to remove the larger debris such as moss, leaves & twigs from the water before entering the tank via a Calmed Inlet. The calmed inlet allows the water to enter the tank without creating turbulence so the smaller debris particles in the bottom of the tank remain settled. A skimmer should be fitted to the tank as an overflow and to remove any floating debris, this water can then return to your existing drainage system.

The pump should be considered as the heart of the system. If you are looking for a medium flow and pressure with an automatic control built into the pump then one of the submersible Jet X-JE range of pumps would be suitable. If you required more pressure or more flow for irrigation then one of the Ebara Idrogo range might be suitable. Should neither of these suit your requirements then contact one of our sales engineers who would be pleased to advise.

Should you require to remove the fine debris from your water then we have available a range of filters with disposable filter cartridges of various sizes.



Amos Pumps (UK) Ltd reserve the right to change specifications and price without prior notice

Visit our website for details of our full range of pumps and accessories. www.amospumps.com

Examples of Rainwater Storage Reservoirs



Tank Capacity	Dimensions	Price +VAT
226 Gallons 1200 litres	Height: 1.3m or 4'3" Diameter: 1.14m or 3'9"	£273.00



300 Gallons 1350 litres	Height: 1.28m or 4'2" Diameter: 1.22m or 4'	£299.00
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440 Gallons 2000 litres	Height: 1.5m or 4'11" Diameter: 1.41m or 4'8"	£419.00
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670 Gallons 3050 litres	Height: 1.81m or 5'11" Diameter: 1.7m or 5'7"	£699.00
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1200 Gallons 5500 litres	Height: 2.2m or 7'3" Diameter: 1.86m or 6'1"	£973.00
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1375 Gallons 6250	Height: 2.3m or 7'7"	£1049.00
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Using rainwater to keep our green spaces, greener.

Below ground tanks also available, details on request. Confirm all prices with our sales office before ordering.

Pumps

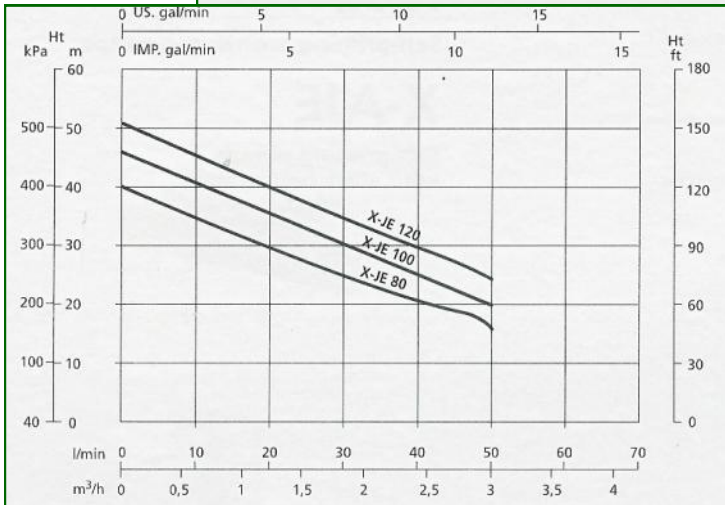


Fully Automatic Submersible Pump.

The X-AJEP range of pumps have an electronic pressure sensing system built into the pump body, this enables the pump to be controlled from any water tap and gives the water system a pressurised supply. The pump automatically switches on when the water pressure drops to 1.5 bar and runs until the flow is detected to cease, a hold on timer then keeps the pump running for a further 10 seconds.

The pump is self priming, submersible and water cooled. Should the water supply fail the pump will switch off, thereby protecting itself from damage. Being water cooled it can also be used on the surface.

Three sizes are available from 0.8 hp to 1.2 hp.



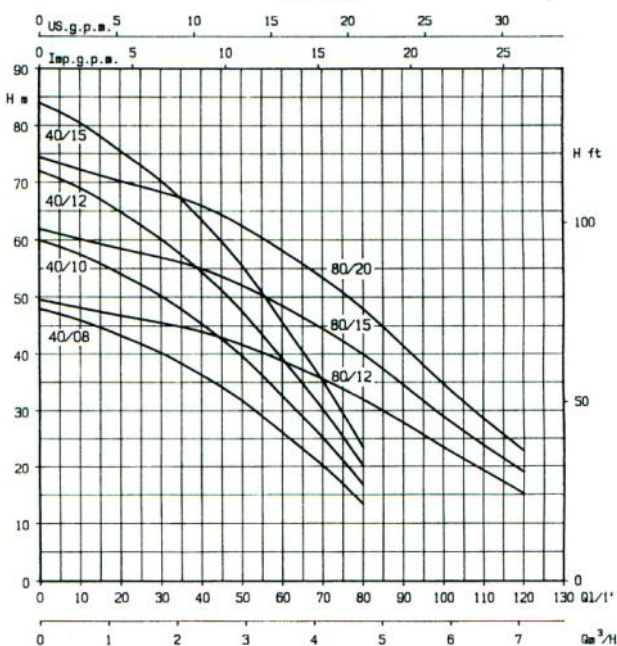
Pressure Sets

An extensive range of pressure sets can be assembled to meet the needs of individual applications.



This is only part of the very extensive range of pumps and various control systems carried in-stock by Amos Pumps

Idrogo 5" Submersible Pump M40 & M80 Ranges



The Idrogo range of multi-stage submersible pumps have the liquid end located under the motor allowing the motor to be cooled by pumped liquid. A float switch is incorporated with the motor enabling the pump to automatically switch off when the storage tank is empty. Various control equipment can be fitted to make the pumping system fully automatic.



Rainwater Harvesting Accessories



Downpipe Filter. Available in brown, grey, black & white to suit existing guttering. Each filter can handle 40 sq. metres of roof.

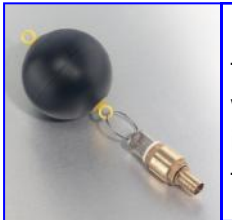
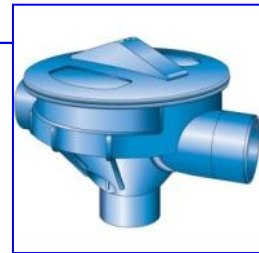


Calmed Inlet. Positioned on the base of the storage tank and keeps turbulence to a minimum.



Overflow and Skimmer. Skims off the floating debris by offering a large area and also acts as an overflow for the storage tank.

Sinus Filter. Fitted inside the storage tank if downpipe filters cannot be used. Can cope with 150 sq. metres of roof area.



Floating Footvalve. Can be fitted on the suction pipe of pumps to draw water from below the surface keeping the debris at the bottom out of the pump.



Mains Water Top Up Set. The Level Probe senses tank water level. At low water level the solenoid valve opens. The Control Unit switches a connected pump (not included) on and off, to save it from running dry. The Control Unit prevents the solenoid valve blocking, by testing it periodically (3 per wk). The Control Unit alarms, shutting the solenoid valve, if the solenoid is open for over 30 minutes, due to a leak either in the tank or its' feeder pipe. This is vital to meet both water company requirements and save water. A longer alarm delay and top-up dwell time can be set if necessary.



Water Filling Tun-dish. Part of a do-it-yourself "mains" top up system.

DEBRIS FILTRATION

For the removal of sand and other fine particles using the individual, hygienically wrapped, disposable filters inside the housing (right). Designed for the filtration of water prior to using rain water systems, horticultural irrigation schemes and other domestic or industrial installations.



ULTRA VIOLET DISINFECTION

- No chemicals added to water.
- Cannot be overdosed.
- Low running costs.
- Ease of installation.
- Ease of maintenance.
- Manufactured and tested to BS EN:ISO9001.
- Long lamp life.
- Does not destroy the taste of clean, fresh, pure natural water.

