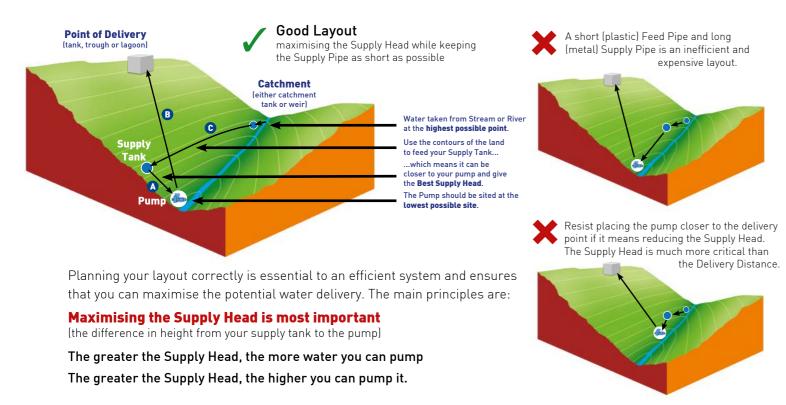


Planning your Water System Installation

System Layout | Measuring | Costing & Ordering Materials

System Layout Principles

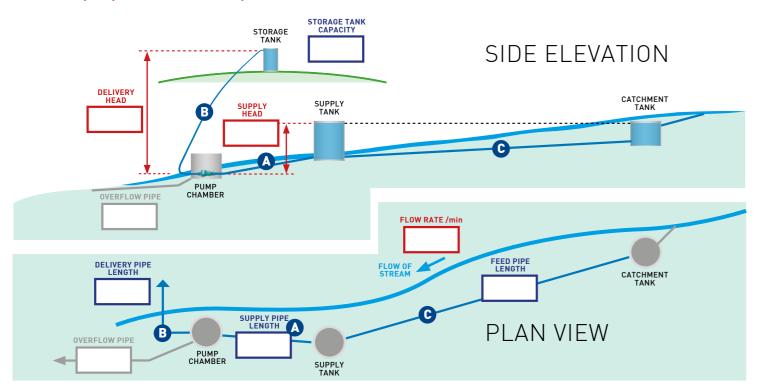
Your first task is to find the highest water catchment point and the lowest point you can place your pump to maximise the Supply Head.



Measuring

Consult the INSTALLATION GUIDE for methods of measuring heights. Enter essential measurements in the boxes below.

To calculate your potential water delivery enter the amounts in the RED BOXES below and consult the PUMP PERFORMANCE CHART.



Recommended Materials

IT IS ESSENTIAL THAT STEEL PIPE IS USED FOR THE SUPPLY PIPE (From the supply tank to the pump)

- A Supply Pipe 2 inch (internal diameter) Steel Pipe should be used for the Supply Pipe
- B Delivery Pipe 32mm MDPE (Medium Density Polyethylene) Pipe
- **G** Feed Pipe 110mm Soil Pipe should be used for systems with 1 or 2 Pumps 150mm Soil Pipe should be used for systems with 3+ Pumps

Inlet Pipe (Stream to Catchment) and Overflow Pipe (from Pump Chamber) should be the same as the Feed Pipe.

Catchment Tank / Supply Tank - Min. 1m depth & 1m diameter. Cover tanks to protect from debris and wildlife.

Pump Chamber - We recommend 1.2m Concrete Ring (with lid) to give adequate room for installation/maintenance.

System Materials/Parts List	No of metres	Cost per metre (£)	Total (£)
(Supply Pipe) 2" Galvanised Steel Thread & Socket Pipe			
B (Delivery Pipe) 32mm MDPE Pipe			
(Feed/Inlet/Overflow Pipe for 1-2 pump systems) 110mm Soil Pipe			
(Feed/Inlet/Overflow Pipe for 3+ pump systems) 150mm Soil Pipe			
	Quantity	Unit Cost (£)	Total (£)
Papa Pump Kit Pump/Pressure Vessel/2xFilters/Stop Valve/Delivery Assembly			
Storage Tank Capacity litres			
Concrete Ring with steps 1200 x 1000m with tongue and grove joints			
Concrete Cover Slab with 600 x 600 access			
Manhole Cover 600 x 600m			
Double Socket Coupler either 110mm or 150mm			
Double Socket & Single Socket 90° bend either 110mm or 150mm			
Plain Socket Plug either 110mm or 150mm			
Tee either 110mm or 150mm			
32mm Joiner			
32mm Elbow			
Pounce Pounce 32mm Tee			
Papa Pomp 32mm Stop Tap			
32mm Inserts			
A Alloward Mot Design A			
		Н	Н
the pump that uses no fuel!			
		TOTAL (£)	