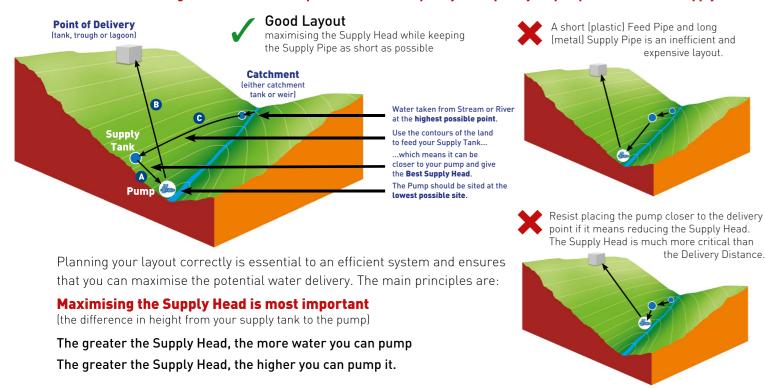


Planning your Water System Installation

System Layout | Measuring | Costing & Ordering Materials

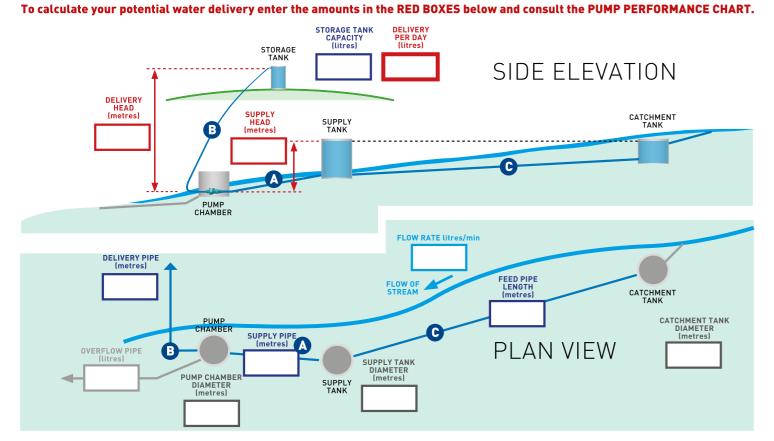
System Layout Principles

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.



Recommended Materials

Above 15 metres delivery head, IT IS ESSENTIAL THAT STEEL PIPE IS USED FOR THE SUPPLY PIPE (from the supply tank to the pump) or at least 20% of the Supply Pipe must be steel (the steel portion must be at the pump end of the supply pipe).
63 MDPE can be used for the rest of the supply pipe.

- △ Supply Pipe 2 inch (internal diameter) Steel Pipe should be used for the Supply Pipe
- **⚠ Supply Pipe** 63mm MDPE (Medium Density Polyethylene) (see limitations above)
- B Delivery Pipe 32mm MDPE (Medium Density Polyethylene) Pipe
- 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				
System Materials/Farts List		No of metres	Cost per metre (£)	Total (£)
A (Supply Pipe) 2" Galvanised Steel Thread & Socket Pipe				
A (Supply Pipe) 64mm MDPE 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				
C (ccc, mos, ccc , ccc , pane)	,,			
		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 1	50mm			
Tee either 110mm or 150mm				
Notes:	32mm Joiner			
	32mm Elbow			
	32mm Tee		-	
	32mm Stop Tap			
	32mm Inserts			
			_	
			TOTAL (£)	