



Can I Install a Papa Pump?

The answer is,
Yes You Can!

**If you have any experience in digging trenches
and laying pipe reasonably competently
then you have the ability to fit a Papa Pump System**

Most of our clients are farmers who will undoubtedly be used to diggers, trenches and water pipes. They usually choose to install a system themselves, because:

They know their land, where the water is and where it needs to go.

They will do a good job because it is in their interest to do so.

They can save a lot of money by not hiring installers.

They have the support of Water Powered Technologies every step of the way.



7 steps to a successful Papa Pump Installation

Step 1

Contact Water Powered Technologies

on the website, by social media or just give them a ring. Ask any questions about your water system or location and take advantage of the free consultation.



Step 2

Plan and Measure Up

You need measure the distance from catchment point (either a Catchment Tank, Weir or Pond) to the site of your proposed Pump Chamber. Measure the supply head (fall from the catchment to the Pump). **The object is to use the maximum supply head possible to maximise the efficiency of the pump.** Measure your supply flow. This is easier than you think. To see how to measure your Supply Head and Supply Flow, look in the installation guide which can be found online:

www.waterpoweredtechnologies.com/wp-content/uploads/2017/03/installer-manual-lr.pdf

For larger rivers look at this video:

www.youtube.com/watch?v=4uS9o0Ta4PI



Step 3

Estimate how much water you can deliver

Once you have your Supply Head figure and your Delivery Head figure, you will be able to estimate the amount of water you can deliver to your storage tank. See the chart below...

Papa Pump Performance Chart

Delivery Flow (litres per day)
(based on 60 litres per minute through the Papa Pump)



Supply Head (Fall)	feet	metres	Figures shown are amounts of water delivered (litres per day)											
			100	75	50	40	35	30	25	20	15	10	9	8
100	31									25920	20736	17280	15120	
75	23									25920	19008	17280	15120	11232
50	15									25920	17280	15120	12096	10368
40	12									20736	16416	12096	9504	8208
35	11									24192	18144	14688	10368	8208
30	9									20736	16416	12096	9072	6912
25										25920	17280	15552	10368	7776
20	6									25920	17280	15552	10368	7776
15										25920	17280	15552	10368	7776
10	3									25920	17280	15552	10368	7776
9										23328	19008	15552	12096	9504
8										20736	17280	13824	10368	7776
7										18144	14688	12096	8640	6912
6	2									15552	12096	9504	6912	5184
5										12096	10368	7776	5184	4320
4										8640	6480	4752	3888	2592
3	1									5184	4320	3456	2592	1728
2										3456	2160	1728	1296	864
										6	7.5	9	12	15
										20	25	30	40	50
										75	100	150	200	250
										300	400	500	600	700
										metres	feet			

For the example shown in red left: With a Supply Head of 15 feet (approximately 4.5 metres) and a Delivery Head of 100 feet (approximately 31 metres), the delivery/day will be 8640 litres. If the supply flow available is less or more than 60 litres/minute, then simply adjust the output figure accordingly, i.e. for the above example with a flow rate of 30 litres/minute, the delivery would be 4,320 litres per day.

Contact Water Powered Technologies or your distributor

Step 4

Installing Tanks and Chambers

You can use any solid chamber for your Supply Tank and Pump Chamber, but if available, we would recommend using 1.2 metre concrete rings which can house up to 3 Papa Pumps.

Storage Tanks can be bought in a range of sizes from your local agricultural or building merchant. Alternatively you can use a pond or lagoon for storage. Full instructions and guides can be found on our [website](#) or in the [Installation Guide](#).



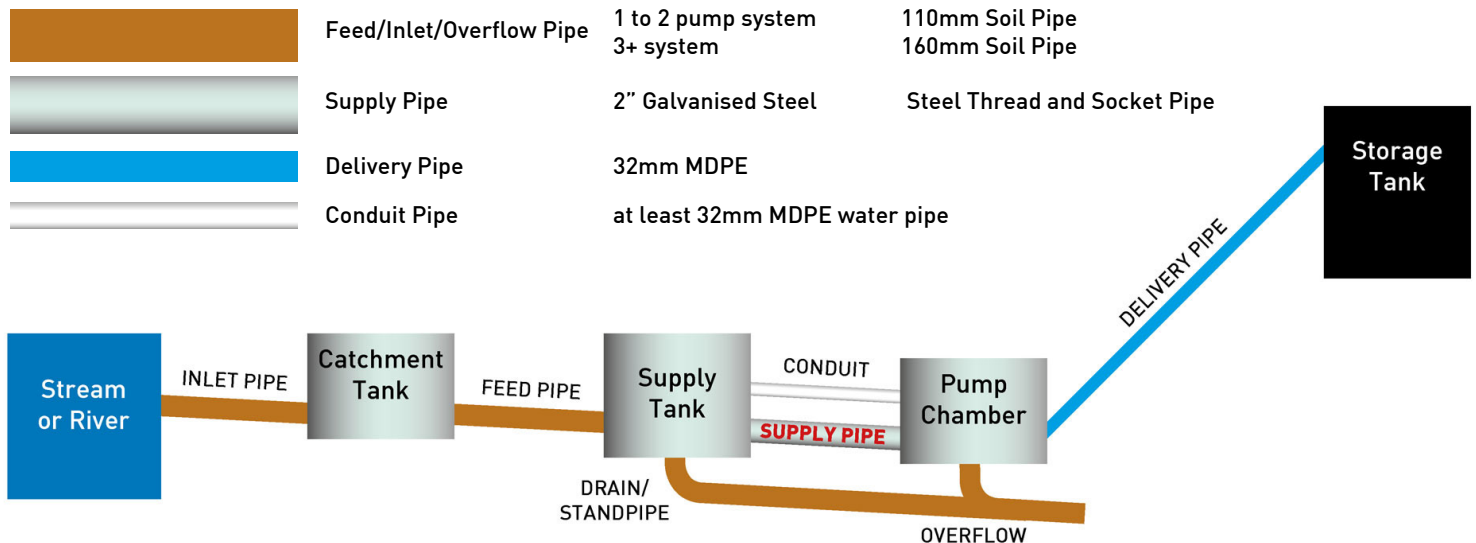
Step 5

Pipework and Trenches

The golden rule for pipework is to keep it as straight as possible without any dips or bends where air could accumulate. It is important that you use the correct pipe for each stage of the pumping process. These are as follows...

The Supply Pipe should be 2 inch (internal diameter) Galvanised or Stainless Steel

(There are exceptions to this rule if the height of the delivery head is less than 15 metres. In this case you can use plastic pressure rated water pipe.)



Step 6

Fit the Papa Pump

Follow the instructions in the [Installation Guide](#) or watch this video for step-by-step instructions of [How to Fit a Papa Pump](#).

Step 7

Put Your Feet Up - Enjoy Free Water for Years to Come

We would recommend you check your pump every few weeks, and change the valves every 2 or 3 years. Apart from that, you're good for many years of trouble free pumping.



What our customers say...

"...it was easy to install and there's no hassle with wires, connections and meters. Our water bills have been about £22,000 a year and now we are only using mains water for washing down and in the house.

We're estimating between £18,000 and £20,000 a year saving!"

Giles Bamberger - Farmer



*"We installed the Papa Pump last summer and we chose this site because it was out of the way of the golfers and it's where we have maximum water from the springs that come into it. It's the perfect site as there is nothing really that can go wrong with the system. As long as your filters are clean and water is going through it, it's just so simple and water is delivered to where you want it. **I've seen how easy it is to take water from a stream and use it for irrigation purposes.**"*

Rob Cook - Head Greenkeeper at Bowood Golf and Country Club

*"We were spending thousands of pounds on mains water for our livestock. We had water in the lower field and had heard about the Papa Pump, the pump that uses no fuel. I was able to lay pipes and put in concrete rings and decided to install the Papa Pump myself. **It couldn't have been simpler to install! Now it just pumps away with little maintenance and I've saved a lot of money on my water bill.**"*

Peter Statton - Farmer



*"The instructions for how to fit the Papa Pump are very clear. It was not a problem for me to do at all. It was really straight forward, really basic. There's a great video on Water Powered Technologies' website if you need to see it. **It was as easy as pie.**"*

Emma Finch - First time self-installer.

"Best thing I've bought for years.

Where else can you buy something that paid for itself in a year?

Mr Barnes - Farmer

