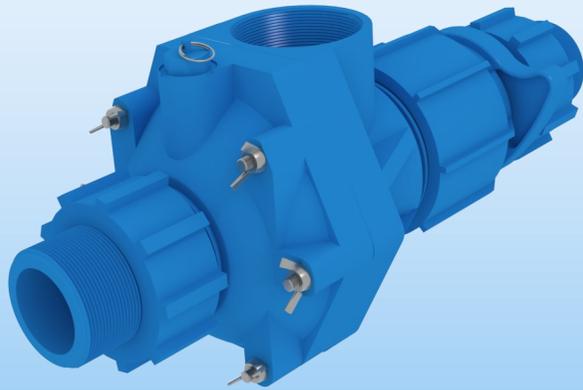


Technology

Utilising new materials and patented '*venturi valve*' technologies, PAPA is able to deliver new products which are more compact, lighter and user friendly, whilst maintaining and improving efficiency and longevity.

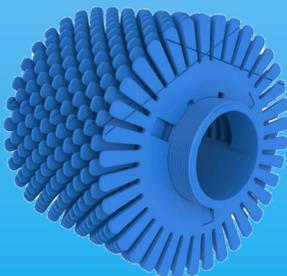
High strength Thermo-moulded Reinforced Composite Material



PAPA is continually developing a range of support ancillary equipment which are designed to enhance the scope and operational ability of our pumping systems.

Example:

Seradisc filter screen:
Robust and adjustable screen to maximise service intervals.



Application Examples

Irrigation



Livestock



Flood Control



Humanitarian



Livestock Erosion



Aquaculture



Hydro Generation

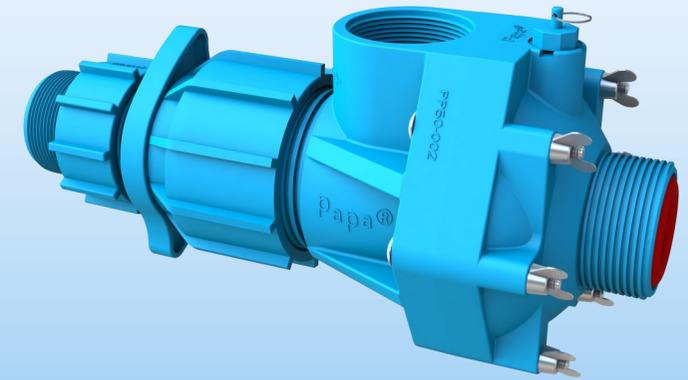


Papa Pump [®]

Water Powered Technology

Unit 14a Kingshill Industrial Estate, Bude, Cornwall, EX23 8QN email info@papapump.com

Your Long Term Water Solution!



Pump, store and utilise water from your natural flowing river, stream or spring source without the requirement for fuel or electricity!

PAPA pump is a member of water powered technologies



Water Powered Technologies

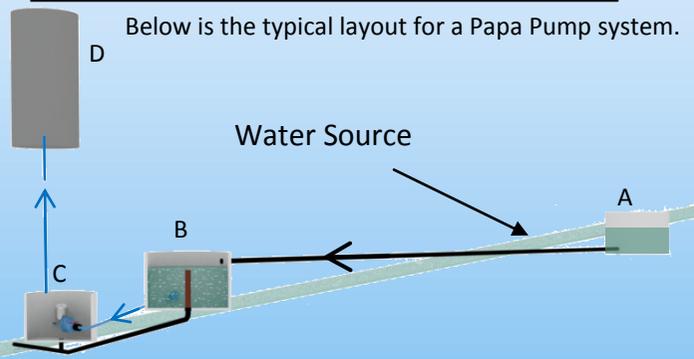
www.papapump.com

History

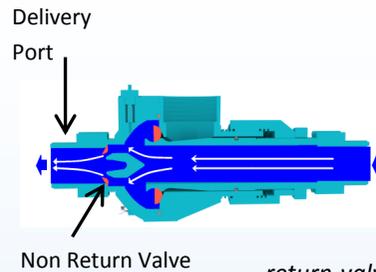
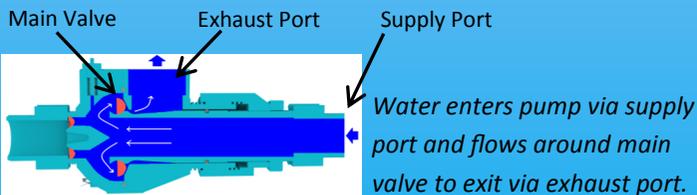
Water powered pumping traditionally goes back 1000's of years where it was used primarily for low head irrigation. More recently from the late 1700's **hydraulic ram pumps** were developed as an efficient and effective means of transporting water over long distances and great heights where they have been utilised to provide water in most parts of the world prior to the advent of '**previously inexpensive**' mains water and electricity supplies. The Papa Pump represents a modern, smaller, lighter and more effective alternative.

How It Works

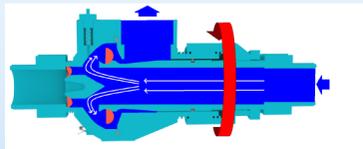
Below is the typical layout for a Papa Pump system.



- A: Catchment Tank
- B: Supply Tank
- C: Pump Chamber
- D: Water Storage



As flow increases around the main valve a differential pressure causes the valve to close. The water is then directed through a non-return valve and into the delivery port at high pressure. This pressure suddenly reduces causing the main valve to re-open and the cycle to repeat.



Turning the adjuster allows flow through and from the pump to be regulated.

The Papa Pump is capable of transporting water to high heads and distances, delivering up to 16000 litres per day from your stream, river or spring using '**only the energy of the flowing water**'.

Performance

With an average water supply of 50 litres per minute to the pump, daily water delivery can be estimated below with various Delivery and Supply Head options.



PAPA Pump Kit

All inclusive kit ready to install, complete with manual and technical information.



PAPA Pump



Accumulator



Delivery Assembly



Spare valve set



'C' Spanner

PAPA Pump uses unique Latigloss composite material which is approved for drinking water applications by the following certification bodies.

