

WEEKEND PROJECT I



Spring Clean Your Pond

It's a dirty job, but someone has to do it! During the winter months your pond becomes home to a mass of dead leaves, dirt and all manner of other muck and debris. Now the weather is warming up it's time to get your pond water sparkling and your rocks gleaming to ensure you get maximum enjoyment from your garden oasis!

YOU WILL NEED: A pond vacuum (see reverse), water dechlorinator, biological supplement, a bucket or tub, old clothing, rubber gloves, scrubbing brush.

Approx time: 1-3 hours depending on pond size

- 1 Remove your pump from the pond and clean all debris and muck from the cage with the brush. Rinse and clean the pipe/s and fountain head if attached to allow water to flow freely.
Note: if you have a self cleaning filter such as the Laguna Pressure Flo, run your normal cleaning procedure before removing the pump.
- 2 Take your filter apart and thoroughly rinse all media in a bucket of water removed from the pond (*never use tap water as the chlorine will kill off the beneficial bacteria that keep your pond water in biological balance*)
- 3 Now is a good time to replace filter foams if required. If you have a UV steriliser or your filter contains a UV bulb, replace it as its effectiveness dramatically reduces after 12 months. *See Project Sheet 2: "Prepare your filter for the summer" for more information.*
- 4 Use your pond vacuum to suck up dirt and plant matter from the pond base. Ideally, choose a cordless vacuum to allow you to move freely around your pond and look for one with chopping blades to help remove plant debris. *TIP: Use the pond water you remove whilst vacuuming to water your plants - it's full of nitrates so makes a great fertiliser!*
- 5 If your pond vacuum has a brush attachment use it while vacuuming to clean your rocks. Otherwise, don your rubber gloves and use a scrubbing brush to remove dirt and algae.
- 6 Replace your pump & filter and top up the pond to replace the water you've removed (*make sure you add a de-chlorinator if using tap water*).
- 7 Add a dose of biological supplement to replenish essential biological colonies.
- 8 Sit back and enjoy your sparkling pond!

Recommended Equipment

LAGUNA POWERCLEAN CORDLESS POND CLEANER

Laguna's Powerclean Pond Cleaner is the world's first cordless powered pond cleaner. The cord free design and telescopic 2.3m reach allows you the freedom to move around your pond without the hassle of trailing wires or extension cables.

Chopping blades effortlessly mulch plant matter and a cleaning brush scrubs as it sucks, removing even caked on grime.

Water is passed through the attached hose and filter bag, where it can be routed to the garden, the drain or back into the pond.



Easy to use lockable trigger for one handed operation



Powerful chopping blades (shown here without the included safety guard)



Brush attachment scrubs rocks and pond base



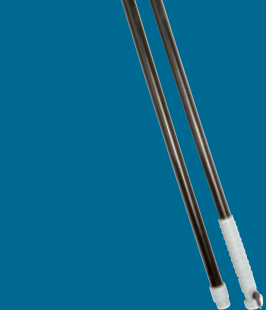
18v fast-charge battery gives min 30 mins continuous operation



LAGUNA WATER POWERED VACUUM KIT

The low cost alternative to a powered pond vacuum, this kit uses the power of your own water supply to effectively clean your pond surfaces. Just hook it up to your garden hose and the circulating water flow pushes water and debris through the fine filtration bag. Fresh water is being introduced as old water is removed, so you are performing a water change at the same time!

Includes extension pole, Hydro brush, Power Vac attachment, filter bag and hose attachment



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WEEKEND PROJECT 2



Prepare Your Filter For Summer

Pond filters work hard for months on end cleaning and purifying your pond water. Over time, foams get clogged and deteriorate and your UV bulb becomes far less effective. Service your filter now and your efforts will be rewarded with a clean, clear, healthy pond all year long!

YOU WILL NEED (for a Laguna Pressure Flo filter): A service kit for your Pressure Flo model (see reverse), cross head screwdriver, cleaning cloths.

Approx time: 30 mins

Refer to guide included with kit for more detailed information



- 1 Unplug from power and detach the hoses.
- 2 Remove the 4 screws from the top of the UV head and carefully remove as shown.



- 3 Unscrew the quartz sleeve collar from the underside of the UV head and remove.
- 4 Clean the quartz sleeve and replace the 2 black 'o' rings.
- 5 Replace the UV bulb, slide the tube back over it and replace the 2 screws.
- 6 Undo the main canister clamp, pull up both cleaning handles and remove the filter head.

- 7 Remove and replace the filter foams.
TIP: replace foams 50% at a time with a week in between to allow transference of beneficial bacteria. Rinse biological media in pond water (never tap water) if very dirty.
- 8 Replace the red hose outlet/inlet 'o' rings. Lubricate all 'o' rings with silicone lubricant to ensure a watertight seal.
- 9 Replace filter head and UV head, taking care to ensure the UV head 'o' ring is in place.



Note: While servicing your filter you should also remove and clean your pond pump and clean your pond - see Weekend Project Sheet 1 for more information on pond cleaning.

Recommended Equipment

LAGUNA PRESSURE FLO SERVICE KIT

A Pressure Flo service kit contains everything you need to re-vitalise your filter for the summer months in one handy box. Each kit contains:

- ✓ Filter Foams
- ✓ UV Bulb
- ✓ Cleaning brushes
- ✓ 'O' rings
- ✓ Silicone lubricant



Which service kit do I need?

You need the correct kit for the model of filter you have. If you're not sure which filter you have, check the label on the back of the filter head as shown. If the label is not visible, check the size and number of filter foams inside your filter and refer to the table below.

Pressure Flo Filter model	Service Kit Required	Filter Foams (qty x diameter)
PF 2500	PT-1496	3 x 19cm
PF 5000	PT-1497	4 x 19cm
PF 8000	PT-1498	4 x 27cm
PF 12000	PT-1499	5 x 27cm



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WEEKEND PROJECT 3



Transform Your Stagnant Pond!

Is your pond more of an eyesore than a beauty spot? Would you like to introduce some pond fish, or do you have fish that are about to pack up and leave for good? Your pond's beauty is largely dependent on the effectiveness of the pump and filter powering it. Read on to find out how you can transform your pond in just one weekend!

YOU WILL NEED: A suitable pump and filter (see reverse), cleaning materials, pond hosing, pond plants/decor

Approx time: 2-8 hours depending on the size of pond and additional work required

Before you start: if you don't have an outdoor electrical box you'll need to have one installed - this is best done by a qualified electrician.

- 1 Determine the pump and filter combination best suited to your pond (*see reverse*).
- 2 Remove any existing pumps/filters, disconnecting their power supply first.
- 3 Clean debris, dirt and plant matter from the pond (*see Weekend Project sheet 1 for more information*) and top up the pond if required (use a dechlorinator if you are adding fish)
- 4 Assemble and install the pump into your pond (*see pump manual for details*). Position it towards the opposite end from where the filter will be sited. *TIP: raise the pump up on an upturned plastic basket to help prevent it clogging. Do not use man made bricks as these may raise your pH.*
- 5 Assemble and install your filter. Pressure Flo filters can be sunk into the ground to help hide them - ensure you can access the canister clamp for maintenance.
- 6 Water should be routed from the filter back into the pond - often via a waterfall. If your pond doesn't have a waterfall you can make one using pond liner and rocks, or buy a pre-formed waterfall kit. *TIP: Always use a waterproof bonding sealant on any cement or rendering work.*
- 7 Turn everything on! Check the UV light is working using the viewing window at the top of the filter. Your pump and filter should be left running 24/7 over the summer, especially if you have fish. If you are planning to add fish, add some bacterial supplement.
- 8 After a few days your filter sponges and UV light should have removed dirt and green algae. Clean your filter sponges. Add plants and decor to complete the look and start to add your fish (*consult your local pond or aquatic centre for advice*)

Recommended Equipment

LAGUNA CLEARFLO KIT

Laguna Clearflo kits provide a powerful combination of a PowerJet Max-Flo solids handling pump and a Pressure Flo UV filter to guarantee clean, healthy water. Use the guide below to find your ideal Clearflo kit.

STEP 1: Roughly calculate your pond size

Metric (metres): Length x width x avg depth x 1000 = Pond size (litres)

Imperial (feet): Length x width x avg depth x 6.23 = Pond size (gallons)

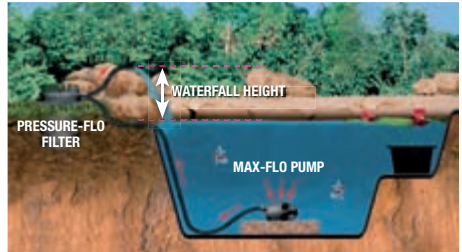
All dimensions should be AVERAGE dimensions of your pond.

Visit lagunaponds.com and click "calculators" for an online calculation tool, or point your mobile's code reader at the QR code to the right.



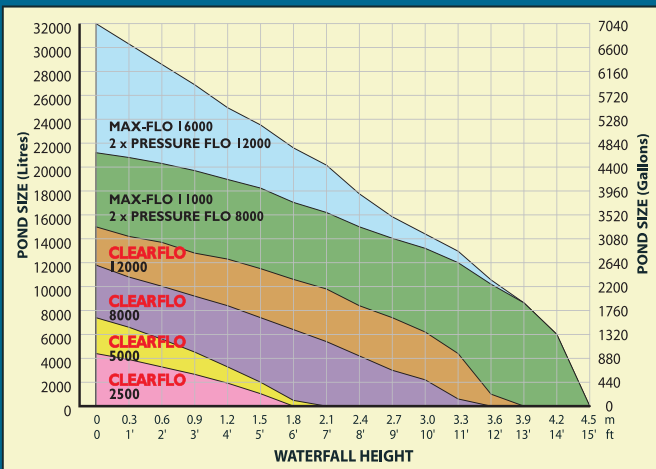
STEP 2: Estimate waterfall height

Waterfall height is the distance between the surface of the pond and the outlet point of the water. (if you do not have a waterfall, height is 0)



STEP 3: Find your ideal kit from the graph

Find your pond size up the side of the graph, then your waterfall height along the bottom of the graph. Where the two lines meet indicates your ideal Clearflo kit size! For ponds larger than the Clearflo 12000 kit, use the recommended pump and filter combinations shown (you will need a Y connector to connect one pump to two filters)



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