

Flushing Valve Maintenance



Fault – Leaking Flush Valve

You will notice that water continues to flow from the spotter box. This is a sign that a flushing valve is sticking open and might need cleaning



Remove the complete brown flushing valve from the elbow by un-screwing it anti-clockwise out of the valve box



Dismantle the flushing valve into 4 parts

- A – Main Body
- B – Diaphragm
- C – Diaphragm Housing
- D – Top

Clean all parts paying close attention to the Main Body ensuring that it is free of any rubbish i.e. stones in the vents



Check the dripper is free of rubbish and that you can blow through it, or use a hose to check it still drips.

Re-assemble the flushing valve making sure that the button of the diaphragm is facing up



The diaphragm housing is assembled next with the rounded side facing up followed by the brown top.



Screw the flushing valve back into the threaded elbow in the spotter box and then test the system to see if it seals. If it still leaks repeat the cleaning program.

Manual Flushing Points



Sometimes we might use a sleeve over the end of dripline.

The dripline is kinked over and folded back into the sleeve.



With the system running, remove the sleeve and let the water run out for a minute before folding the end over and replacing the sleeve to seal the folded end.



Some systems have a ball valve (tap) as a flushing point.



Remove the spotter box lid and with the system running open the tap.



Let the water flush through for a minute until the water runs clear before shutting the tap then replace the valve box lid.

Filter Maintenance



The filter is located in a valve box in the ground. With the water turned off un-screw the top of this and pull out the filter element.



This shows the different parts of the filter. Although this is a Tech filter it has the same parts as a normal disc filter.



Pull apart the discs of the filter.



Rinse under a tap to remove all the loose particles until the filter is clean.



The filter on the left needs cleaning and the one on the right is a clean element. Remember that a tech filter element needs to be replaced every year to prevent root intrusion.



For systems with a bore running a large area there will be a screen filter fitted to your system.



Open the red tap on the end of the filter with the system running for 20 seconds every month to flush out any dirt that might be inside the filter.

Dripline repair.

What happens if someone needs to plant a tree in the verge?



A large puddle of water that forms whilst the system is running can signal that a dripline has been broken and needs repair



Expose the dripline to find the break in the line.



Cut the dripline on the break. A pair of scissors or sharp secateurs will cut this. If the break is on a dripper then cut the dripper out.



Insert a straight barbed joiner into one end of the dripline.



Join the dripline together. If you have had to take a dripper out then cut a new bit of dripline in with a dripper using two joiners.



Make sure the joiner is fully pushed into either end of the dripline.

Then flush out any sand through the flush valve.

Venturi Operation.



Remove the lid of the venturi box. Turn on the station that requires fertilising at the controller.



Open this tap fully. You might have just one tap or there might be two either side of the venturi. If there are two then open both fully.



Now start to close this main tap until the desired suction is reached through the tube.



Put the end of the tube into the soluble fertiliser mixture.
REMEMBER TO ALWAYS USE SOLUBLE FERTILISER.



Once all the fertiliser has been taken up in the system then open this tap again fully.



Close these taps again and allow the system to continue to run for another 20 minutes to allow all the fertiliser to be run through the driplines.

REPEAT THESE STEPS FOR ALL AREAS THAT NEED TO BE FERTILISED.