

25 m² (270 sq ft) Extension Kit

Your Kit Components



1 x 25m² Extension Kit



Straight joiner (spinlock)



50m (160') x KISS



Install this way up.

Warnings!!

-)] **STORE IN COOL PLACE OUT OF DIRECT SUNLIGHT!!**
The deflection tape and base tape may delaminate if kept in hot environment.
-)] Check authorities for local rules such as back-flow prevention.
-)] Check authorities for the location of electricity, water and gas lines in your garden.
-)] You may need to “winterize” your system.
In very cold climates, water inside the KISS pipe may freeze and rupture the system. To prevent this, perform the following BEFORE the ground freezes:
 - a) Turn off the system.
 - b) Disconnect it from the tap for the whole period.
 - c) Allow the water to drain out of the pipe.

Tools

Additional materials and tools you will need:

-)] Sharp spade to cut the edges of the trench
-)] Trenching shovel (75mm/3” wide) to remove grass and soil
-)] Measuring tape
-)] String line and pegs or spray marking paint (to mark layout)
-)] Gloves
-)] Hose for watering
-)] Scissors

Other materials that would be handy but not essential:

TIPS:

Check the installation video at www.kisslawnandgarden.com.

Print out the example layout diagram and have it handy.

-] 5kg bag of Gypsum (11 lbs)
-] Plastic sheeting to load soil onto while digging (this protects the grass around the trench)

Preparation

Things to do before installation:

-] If your site already has lawn, water it well the day before so it's moist and easy to dig out.
-] If your site is bare soil, water it well 2 days before so it's not muddy on the day of installation.

Installation Steps

1. Mark out the KISSS Trench

Your kit will have 1 x KISSS line of 50m (160'). Note that the maximum amount of KISSS in one line is 150m (485ft). You can have multiple lines connected to the tap assembly or a KISSS Header line.

- a) Start from the end of your existing KISSS line (the spinlock auto-flushing valve).
- b) Mark out the serpentine trench as per drawing(s) supplied. Your lawn will be different but you can use the diagrams as a guide.
- c) The lines of KISSS should be 0.5m (20") apart.
- d) When making the first turn in the trench line, make sure it is no less than a 0.5m (20") semi-circular shape then come back in a straight line.
- e) Repeat until the area has been fully marked in line with the diagram.

2. Dig the Trench

Have you checked for POWER LINES beneath the surface?

- a) Commence digging the trench at the end of your current KISSS line with a sharp spade following the trench outline you made.
- b) The trench should be 75mm (3") wide and 150mm-200mm (6"-8") deep.
- c) Take care to remove the turf and soil TOGETHER as it will be easier to put back in the trench. A trenching shovel will do this very neatly.
- d) Clean out the bottom of the trenches to make them free of rocks, sticks and sharp objects.
- e) Begin unrolling the KISSS line into the trench with the **thin deflection tape (with writing on it) facing up**.

TIPS:

Placing the grass and soil on a plastic sheet will protect the grass which is not being dug up.

Adding a handful of gypsum every 1.0m (3 ft) helps the water spread in the soil.

3. Join the KISSS Extension

Your Kit comes with extra KISSS pipe which can be joined together to extend the KISSS line. Note that the maximum amount of KISSS in one line is 150m (485ft). You can have multiple lines connected to the tap assembly or a KISSS Header line.

- a) Remove the Auto-flushing valve from the end of your current KISSS line.
- b) Take the KISSS roll and Straight Spinlock Joiner from the box.
- c) Spin back both green collars of the straight spinlock joiner to reveal the barbs.



- d) At the end of each KISSS line peel back the base adhesive and white geotextile leaving the drip tape exposed.
- e) Hold the drip tape in one hand and squeeze the sides of the tube to make it round in shape then slowly push it onto one end of the Spinlock Joiner. The drip tube must go past the barb.
- f) Spin the Joiner collar firmly back in place over the barb and drip tape locking them together.
- g) Hold the Joiner in one hand and the KISSS line in the other and tug firmly to make sure they hold together.
- h) Repeat for the extension KISSS line to join them together.



4. Connect the Auto-Flushing Valve

- a) Spin back the blue collar of the flushing valve to reveal the barb.
- b) At the end of the KISSS line peel back the base adhesive and white geotextile leaving the drip tape exposed.
- c) Hold the drip tape in one hand and squeeze the sides of the tube to make it round in shape then slowly push it onto the flush valve. The drip tube must go past the barb.
- d) Spin the flush valve collar firmly back in place over the barb and drip tape locking them together.
- e) Hold the flush valve in one hand and the KISSS line in the other and tug firmly to make sure they hold together.
- f) Place the connected flushing valve back in the trench.



TIP:

Wiggle the drip tape from side-to-side to slide it onto the flush valve more easily.

5. Check Water Flow

- a) Turn on the tap and walk along the line making sure that the water is getting to the far end at the flush valve. If there are any kinks in the KISSS line move the line as necessary to remove them (use soil to support the line if necessary).
- b) The flushing valve will release some water until the line is fully pressurized - then it will close off. Each time the water is turned on the flushing valve will flush debris from the line.

6. Back-fill the Trenches

- a) Turn off the tap before back-filling the trench.
- b) Start back-filling the trenches with soil from where you joined the new KISSS line and then replace the turf.
- c) Compact the soil/grass firmly.
- d) Water the grass well to help it sit into the soil.

TIP:

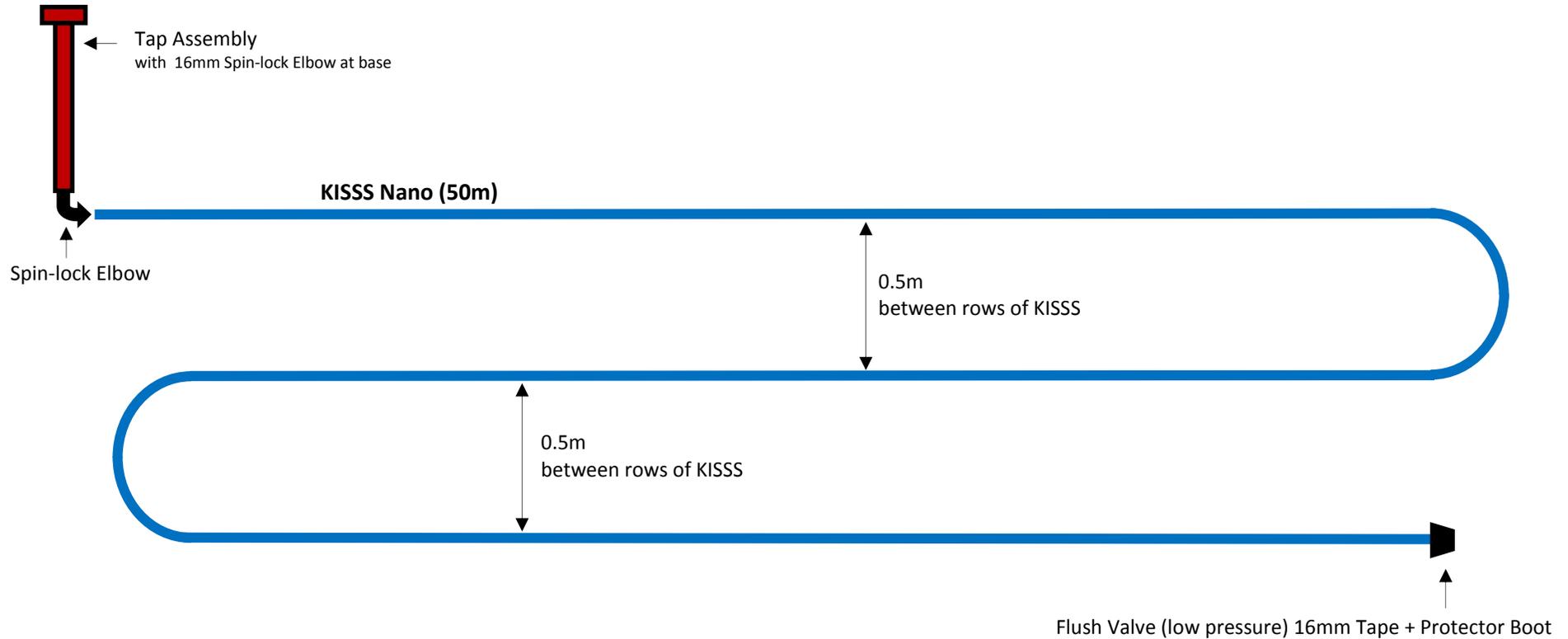
Use liquid fertilizer and overhead watering for a few days to help heal the damage.

25m² Kit

(50m of KISSSS)

Layout Example

HINTS	
Depth:	200mm below surface
Spacing:	0.5m between rows
Angle:	Flat with blue tape facing up OK to angle around corners
Notes	Do not remove pressure regulator Store unused KISSSS out of sun



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