

ACCESS BORDER SPRINKLER WATERING KITS

Description of kits SBW25/SBW/SBWGV

The kits include professional quality sprinkler heads and fittings and are designed to water shrub and flower borders.

List of contents

CODE	DESCRIPTION	SBW25	SBW	SBWGV
PA16-25M	16mm x 25m polypipe	1		
PA20-50M	20mm x 50m polypipe		1	1
FBM16-T	16mm barbed mixed pack	1		
FBM20-T	20mm barbed mixed pack		1	1
FBK16-3F	16mm – ¾" F tap adaptor	1		
FBK20-3F	20mm – ¾" F tap adaptor		1	1
P67	Rubber washer gauze filter ¾"	1	1	1
FQCBM3	Brass male adaptor	1	1	1
KRBS-T	Bedding spike riser (pack of 10)	1	1	
KRGV-T	1m metal riser kit (pack of 10)			1
KEASH40-T	40l/h 180 deg sprinkler (pack of 10)		1	1
KES040-T	40l/h 360 deg sprinkler (pack of 10)	1	1	1
KES070-T	70l/h 360 deg sprinkler (pack of 10)		1	1

Supply requirements

The system will require a pressure of 2 bar and a flow of the chosen sprinkler output x no of sprinklers. It is recommended that the available flow and pressure is measured before installing the system.

Supply pipe

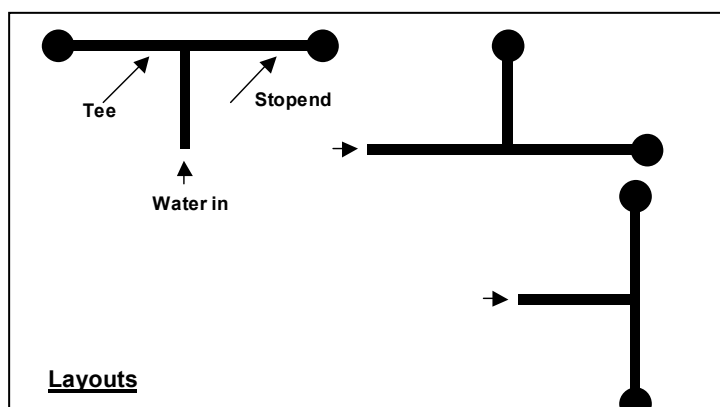
Unroll the supply pipe cartwheel fashion to avoid twisting it. Space the bedding spikes as shown in the table. The KEASH040 nozzles are half circle, specifically for narrow borders – place the spikes on the edge of the border. The first spike needs to be half a spacing length in from the end of the run, to allow for some sprinkler overlap. Adjacent to the spike, punch a 3mm hole in the side of the supply pipe using a 3mm punch (not included) and immediately push in a barbed plunger KEP until it 'clicks,' use the punch to aid this; then repeat down the run.

Sprinkler nozzle	Spaced apart	Output	Bed width watered
KES040	2.0m	40 l/h	2.0m
KES070	2.5m	70 l/h	3.0m
KEASH40	1.8m	40 l/h	1.0m



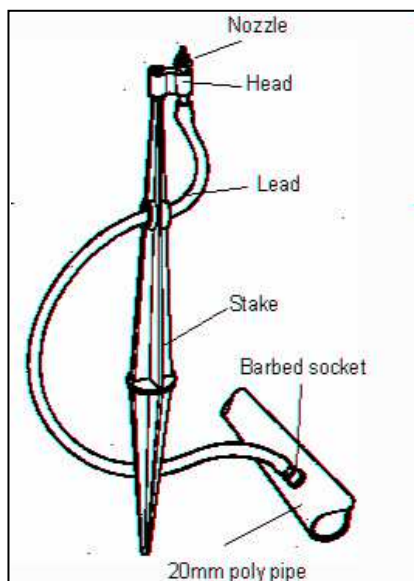
The supply pipe is usually laid in a single run however a tee and additional stopends are included to provide for a branch layout if required. Use the ¾" F barbed tap connector (FBK16-3F or FBK20-3F) to connect the pipe work to the thread on your tap outlet. At the end of the run a foldover stopend is fitted (leave off for now).

If you want to use a length of hose to bring water to the start of the system; fit the P67 filter into the tap connector (wet the filter to make fitting easier), then



screw in a $\frac{3}{4}$ " 'Snap-On' type fitting (FQCBM3).

Sprinkler sets



Fitting the Sprinkler risers

The sprinkler riser simply pushes into the ground the plastic stake has a built in stop the metal spike can be set at any suitable height. If the kit with the 1m galvanised riser has been purchased, push these approximately 30cm into the ground. The set includes a 1m long flexible lead, this allows the spike to be moved around if required. The lead has pre-fitted taper connectors both ends and these should be firmly pushed into the specific adapters as follows.

One end plugs into the adaptor (KEP) already fitted into the supply pipe. The stake should be fitted with the sprinkler nozzle holder



which has two holes side by side, this should be fitted with the sprinkler position higher than the top of the riser. Push the larger tapered hole onto the top of the stake. Push the free end of the lead into the underside of the second hole.



Fitting foldover stopends

Push the open end of the dripline fully onto the foldover stopend. Fold the end back over the stopend body. Secure it by sliding the retaining collar/ring over the folded dripline. Pull to check it is tight and leak-free.

Flushing the pipework

Before you fit the nozzles turn on the water supply to flush out any dirt or swarf. Now fit the stopend to the supply pipe by pushing the end of the pipe through one hole bending it back on itself and through the other hole. Select the chosen sprinkler nozzle and firmly push into the top of the sprinkler nozzle holder on top of the stake.

Trouble shooting

If an individual nozzle is showing an imperfect watering circle, this is nearly always due to a blockage. Remove the sprinkler nozzle from its holder. Turn the nozzle upside down, and the blockage will usually be visible, wedged in against the central spindle. Depending upon the exact type of nozzle it is possible to strip it apart for cleaning by twisting the anvil part from the coloured base. The anvil must be completely free to spin if not remove any obstruction. If excessive blockage occurs, contact us for replacement sprinkler nozzles or to discuss filters for the in-coming water.

Maintenance

The polythene tubing and nozzles are not particularly susceptible to frost, but we recommend draining the water from the supply line during the winter months. Disconnect the stopends and unscrew the fitting if connected to a tap. When the lines have emptied, replace the stopends, and plug the entrance to the line with tape to prevent dirt ingress.

When re-commissioning in the spring open all of the stop ends and flush through the pipework. It is a good idea to check the security of all connections and sprinkler nozzles periodically.

Options

All parts are available as spares to allow for other configurations. A simple battery tap timer is also available to automate the system if required.

If you have any queries regarding this kit or options available please contact our sales department.

UK water regulations require backflow prevention. The Local Water Authority must be consulted for specific requirements prior to installing this system.

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**Irrigation systems should only be installed
by a competent person**