

ACCESS STOCK BED WATERING KITS

Description of kits SKDC/SKDN

All kits include professional quality sprinkler heads and fittings.

List of contents			
CODE	DESCRIPTION	SKDC	SKDN
PA20-50M	20mm x 50m polypipe	1	1
LHPCK20	Water entry kit	1	1
PB16-1.2M-T	16mm x 1.25m riser (pack of 10)		1
KRSR-T	12mm x 1.2m riser (pack of 10)	1	
FBT20-16-T	20mm x 16mm tee (pack of 10)		1
FBK16-2-T	16mm x ½" straight (pack of 10)		1
FBV20	20mm valve		1
FPC200-Q	200mm ratchet strap (pack of 25)		2
EPTFE-G	Thread Sealing tape		1
KE070-T	Vibro-spin sprinkler (Black) (pack of 10)	1	
KES070-T	Mini-spin sprinkler (Black) (pack of 10)	1	
KES120-T	Mini-spin sprinkler (Red) (pack of 10)	1	
KN5-200	Naan 501 sprinkler (Blue)		10

Supply requirements

The system will require a pressure of 1.5-3.0 bar at the sprinkler head. To calculate the flow required; take the output of the sprinkler x number of sprinklers. It is a good idea to measure the available water supply before installing.

SKDC

The system is supplied with 50m of 20mm poly pipe, which is laid down the midline of the strip to be watered. Timber stakes (not included) are driven into the ground alongside the pipe at 1.5 – 2.5m centres. 12mm x 1.2m polythene riser sets are plugged into barbed sockets in the poly pipe (see riser assembly), and strapped to the stakes. A water entry set with flushing stop ends is included, plus fittings for a tee shaped layout if required. A selection of alternative nozzles allows for different widths of bed.

SKDN

The system is supplied with 50m of 20mm poly pipe, which is laid down the midline of the strip to be watered. Timber stakes (not included) are driven into the ground alongside the pipe at 5m centres. 16mm x 1.25m polythene riser pipe work is fitted to the supply pipe with barbed tees, and barbed/threaded fittings attach the nozzles to the top of the risers (see riser assembly). The polythene risers are strapped to the stakes. A water entry set with flushing stop ends is included, plus fittings for a tee shaped layout if required. 2 barbed valves are included where there is insufficient water to run all 10 nozzles at a time – these must be used on the tee shaped layout.

Supporting stakes

An ideal size for the stake is 25mm square and they should be fixed firmly into the ground at intervals according to the specific sprinkler. The first nozzle needs to be half a length in from the end of the run, to allow overlap. The polypipe risers are either 1.2m or 1.25m high and the stake should support the entire length without interfering with the sprinkler operation. For

small plants, e.g. heathers, keep the risers short to prevent wind drift – the riser pipes can be cut down using pipe cutters or secateurs.

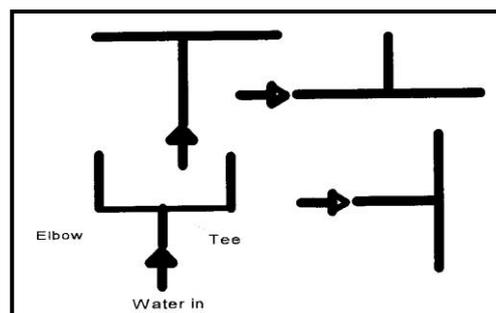
Fittings

Barbed type

Place the end of the pipe into hot water to soften for a few seconds, remove and push the barbed fitting in so the barbs are fully covered.

Alternative layouts

The pipe can be laid in a straight run, or as a branched system. A barbed tee, two elbows and two stopends are included.



Supply pipe

Unroll the supply pipe cartwheel fashion to avoid twisting it along the centre of the bed area. Secure the pipe to the stakes if necessary.

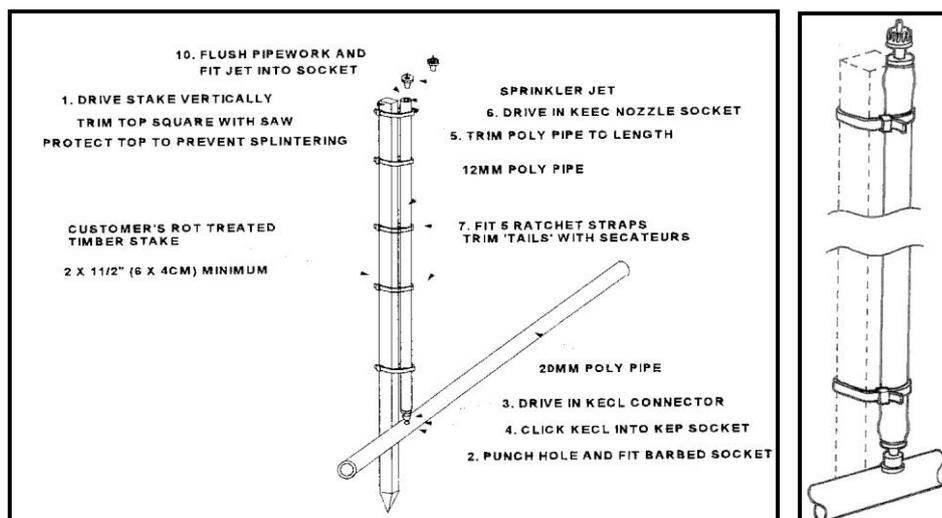
SKDC: Punch a hole in the top of the supply pipe against each stake using a 3mm punch tool (not supplied) and push in a barbed plunger (KEP) until it goes 'click.' Use the punch tool to assist pushing the fitting in then repeat down the run.

SKDN: Cut the pipe at each stake and fit a 20-16mm barbed tee (FBT20-16) then repeat down the run.

Fit the barbed connector (FBK16-3) into the supply end of the pipe using warm water to soften the pipe, then screw on the brass 'Geka' fitting. Leave the other end open for now. A 'Geka' blank is supplied to cap off the entry and prevent dirt ingress.

Riser assembly

SKDC: The risers are supplied as 1.2m lengths. Firstly push a barbed connector (KECL) into the bottom of the pipe. Push the barbed pin of the connector into the plunger (KEP) already inserted into the pipe. Trim squarely if necessary the top of the riser pipe until it is just slightly proud of the top of the wooden stake and then push fully in the end connector (KEEC).



SKDN: The risers are supplied as 1.25m lengths. Using the barbed tee previously inserted into the 20mm supply pipe, fit the 16mm branch of the tee piece at the base of each riser after warming the end of the pipe. Trim squarely if necessary the top of the riser pipe until it is just slightly proud of the top of the wooden stake. Fit the BK16-2 barbed-threaded connector, warming the top of the riser pipe.

Secure the riser pipe to the stake using the ratchet straps provided ensuring the top is vertical.

Flushing the pipework

Before fitting the sprinkler heads, connect up a supply hose to the 'Geka' entry fitting, and turn on the water to flush out dirt and swarf. Now fit the foldover stopend. Push the 20mm pipe through one ring, kink over and push the end through the other ring.

Fitting the sprinkler heads

SKDC: The nozzles are a push fit. The KE070 Vibro-spin nozzles are used for strips up to 2m wide, and the KES070 (black) or KES120 (red) Mini-spins for strips up to 3m and 4m, respectively.

SKDN: The nozzles screw on use the PTFE tape to seal the threads.

TROUBLE SHOOTING

Individual Nozzle Working Erratically

SKDC: If an individual nozzle is showing an imperfect watering circle, this is nearly always due to a blockage. Remove the nozzle from its holder and turn upside down. The blockage will usually be visible, wedged in against the central spindle. The anvil must be completely free to spin. If there is the slightest feeling of friction, there is an obstruction that needs removing. Replace the nozzle by pushing it firmly into its socket, pressing against the coloured base. The nozzle is a taper fit, and the harder it is pressed in the better it will "bite". If excessive blockage occurs, contact us for improved filters for the in-coming water.

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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