

ACCESS TEMPORARY BOWLING GREEN WATERING PACKAGE

Description of kit SB1GTP4.

The package comprises unique metal sled risers which can be repositioned whilst still connected. A flexible 3/4" hose is used to link the sleds together and connect to the available water supply. Geka type twist connections are used throughout to enable quick coupling and uncoupling. A multi-zone battery controller is included enabling the system to run automatically and from a modest water supply.

CODE	DESCRIPTION	QTY
EPAGDC4	Galcon DC4 battery controller (preassembled)	1
EPAGV	Hunter 1" DC solenoid valve (preassembled)	2
KRSA	Metal sled riser 0.36m	4
KN52-360	Naan 5022U 360deg sprinkler	4
PHT3-	Hosepipe 3/4" Yellow (includes Geka fittings)	125m
EHRC4-	Blue hose reel carrier	Large

Supply requirements

The system will require a minimum pressure of 3.5 bar and a flow of 720l/h (2 sprinklers). It is recommended that the available flow and pressure is measured before installing.

Sled assembly

The metal sleds are supplied unassembled and consist of a tee pre-fitted with 'Geka' twist connectors, a riser pre-fitted with a locknut and taped threads, a threaded socket and sprinkler.

- Seal the bare threads of the riser and the sprinkler with tape (**EPTFE-G**).
- Screw the socket (**FPTS2**) securely onto the riser then screw the sprinkler into the socket.
- Hold the tee beneath the base centre hole, push the end of the riser through the hole and screw tee and riser together, when tight screw the locknut down and tighten ensuring the tee is in the right position.
- The end sprinkler should be blanked off using the Geka blanking cap (**FGBSE**).

Supply pipe

The sprinklers are operated in pairs (see drawing DR016).

Assuming location of valve manifold is at the green edge, cut the 100m coil of yellow hose as follows:

- 2 x 10m (link between each sled)
- 1 x 5m (valve 1 - sleds)
- Use the supplied 25m coil for (valve 2 - sleds)

To all 4 lengths of hose fit the following components:

- First slip on a 3/4" hose clip (**FHC3**) and then push in a 3/4" Geka hosetail (**FGBH3**) push the hose clip up and tighten securely.

The remaining 75m length of hose is used to run from the tap supply to the manifold assembly. But first cut a short length from it to use as a link pipe from the hose reel to the water supply. Fit a hosetail and clip to the short and long length ends.

Geka fittings are all universal and simply twist together (note: they will not release under pressure).

Hose reel carrier

A heavy-duty hose trolley is supplied for storing the main supply and link hoses. The sled linking hoses can be joined together and stored on the trolley. The hose trolley has Geka inlet and outlet connections.

Solenoid manifold assembly

The solenoid manifold assembly and controller will be supplied preassembled.

Battery timer (see Galcon instructions)

The Galcon battery timer is fully waterproof and can be left exposed. It will have been fitted with a 9v battery and current time and day entered. To conserve battery life the display remains blank until a button is pressed.

Testing and setting controller

Valves 1 and 2 will have been preset with a run time of 2mins for initial testing purposes. Valves 3 and 4 will have been switched off and the cabling sealed and coiled together.

To test after setting up, press and hold the + button and the controller will start valve 1 you can leave to run or advance to valve 2 by pressing the + button again (note: the solenoids are slow acting).

Setting up (see layout drawing DR016)

The whole green is watered in 4 moves of the sprinklers. To make setting up the sprinklers each time easier. Measure and permanently mark on all sides of the green first at 5m and then 10m intervals.

Valve 1 run

Position the first sled at the start location (5m down x 5m across). Add the next sled 10m from the first, using the pre-cut length of hose. Fit a Geka blank (**FGBSE**) to the last sled in the run.

Connect the 5m link hose to the first sled and take to the edge of the green.

Valve 2 run

Position the first sled at the next 10m mark across the green (5m down x 25m across). Add the next sled 10m from the first using the pre-cut length of hose. Fit a Geka blank (**FGBSE**) to the last sled in the run.

Connect the 25m link hose to the first sled and take to the edge of the green.

Supply

Connect the hose trolley to the tap supply and unreel the main supply hose to the connection point of the 2 link hoses.

Place the control manifold on the edge of the green and connect the 5m link pipe to valve 1 and the 25m link pipe to valve 2. Finally connect the supply hose to the manifold inlet.

Turn on the water supply and pressurise the manifold.

When the first location watering is completed move the whole sprinkler run down to the next 10m mark. Repeat for the 4 set ups.

Operation

The sprinkler run period will be dependent upon site location and surface makeup etc. As a guide running each set of sprinklers for 1hr will give approx. 3mm precipitation across the area. Individual sprinklers can be used for spot watering if required. See separate controller instructions for programming information.

Maintenance

Geka seals can dry out use plain water to lubricate them. Check before connecting hoses together that no debris has entered, if so flush out the hose.

Change the controller battery (9v) at the start of the watering season, or if the controller indicates low battery.

During periods of frost drain the hoses and valve manifold.

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.

Irrigation systems should only be installed by a competent person

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