

ACCESS SMALL BORDER WATERING SYSTEM

Description of kit SBMP4

The kit includes Hunter MP short radius sprinklers, supply pipework and fittings.

CODE	DESCRIPTION	QTY
FBSP16	Dripline starter pack	1
PA16-25M	Black LDPE pipe 16mm x 25m	1
KR004	Metal spike with 1/2", 3/4" hoesetail	4
FPTN2	Plastic threaded nipple 1/2"m	4
KHMPAD	MP rotator 1/2" BSF adaptor	4
KHMP8A	MP rotator nozzle (Orange)	4
KHKMP	MP rotator key	1
FRM16-3	PoziLock straight 16mm x 3/4" male	4
FRF16-3	PoziLock tap connector 16mm x 3/4" female	3
EPTFE-G	PTFE gas quality tape	1

Supply requirements

The ideal supply pressure and flow is 400l/h@2.8bar, however the system will operate with a minimum flow of 280l/h@2.1bar (reduced radius). It is advisable to check the supply before installing to ensure the correct sprinkler spacing.

Fittings

PoziLock type

To fit PoziLock compression type fittings, first cut the end of the pipe square. Remove the black cap and push onto the pipe, then firmly push the pipe onto the green barb ensuring it goes fully on. Finally, tighten the cap hand tight is usually sufficient.

Threaded type

All threaded joints need to be sealed using PTFE tape, (EPTFE-G) allow 50% overlap and wind around the thread in a clockwise direction.

Sprinkler riser

The sprinkler risers are pre-fitted with a quick coupler and end cap, remove all fittings except, for one end cap (end sprinkler). Screw on the PoziLock male (FRM16-3) and female adaptor (FRF16-3).

Screw in the 1/2" nipple (FPTN2) to the riser top and then fit the MP adaptor (KHMPAD).

Screw on the MP rotator nozzle ensuring the filter is fitted and the LH indicator is pointing towards the female PoziLock side.

Supply pipe

16mm LDPE pipe is used for the supply and a 16mm x 3/4" female tap connector (FBK16-3F) is included to connect to a standard outside tap or hose via the filter (P67) and brass quick coupling (FQCBM3).

System layout

The basic configuration assumes a radius of 3m and the sprinklers spaced at 3m (head to head). The supply pipe runs along the front of the border with sprinklers set at 180deg arcs throwing back into the border. To achieve an even coverage in this configuration the sprinklers will inevitably overthrow into the surrounding areas.

Use the sprinkler riser with the blanking cap still fitted at the end of the line.

At the sprinkler location cut the supply pipe and fit the riser assembly with the pozilock female fitting on the left. Ensure the sprinklers are set vertically in the ground.

Sprinkler adjustment

Final adjustments should be carried out with the sprinklers operating. Use the key to adjust the RH stop and adjust the pressure if necessary.

Operating the system

Recommended watering times

180deg MP sprinklers - 20mins per day.

It is best to water the border area early morning if practicable. The above times are for guidance only and may need to be altered according to season, plant type, aspect etc.

Maintenance

The system is not designed to run through the winter months and should be drained down if practicable. The supply connection should be disconnected and any water drained out.

Options

Extra pipe and fittings are available to change the layout if required, however additional pipework will reduce the pressure in the system.

The addition of a battery timer will enable the system to be automated.

If pressure and flow is not sufficient or if the Water Authority require, a 'Cat 5' pressure booster set can be supplied.

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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