

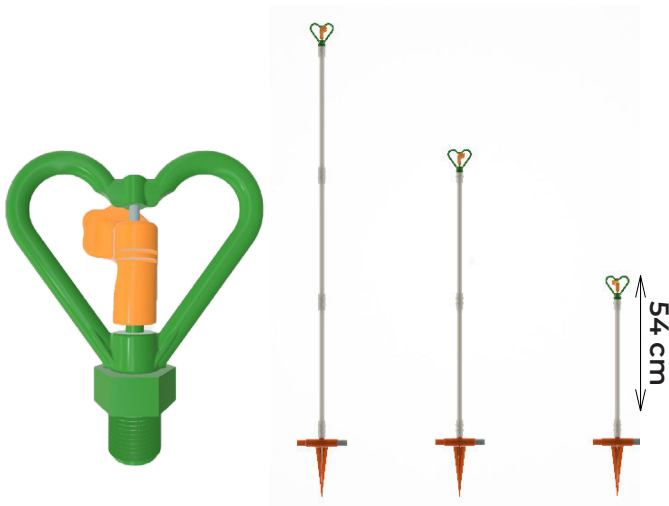
Accessories: Sprinklers

When using sprinklers with your Futurepump solar pump, they should be positioned at intervals along the discharge pipe. This document outlines optimal use of sprinklers.

Futurepump SF2: We recommend using between 4 and 8 low-pressure sprinklers.

Futurepump SE1: We recommend using between 2 and 4 low-pressure sprinklers.

TECHNICAL SPECIFICATIONS



- Rotating sprinkler head supplied with upstand pipes (54cm each) and T-piece
- Sprinkler T-piece connection: tapered and compatible with 1-inch or 1.25 inch hoses
- 360-degree water distribution
- Wetted area: up to 3-4m radius per sprinkler when using the SF2 and up to 2-4m when using the SE1 (be aware this will add 4-5m pressure to your measured installation head)
- For optimum hosepipe selection, please refer to the hose size table in the back of the SF2 or SE1 pump user manual
- Pulley setting for optimal results: SE1 set pulley to 'large' if pressure before sprinklers is <4m, if <4m set to 'small'; SF2 set pulley to 'small'

MINIMUM SPRINKLERS

- **Futurepump SF2, 3 sprinklers minimum**
- **Futurepump SE1, 2 sprinklers minimum**

Using fewer than the recommended minimum sprinklers will cause too much backpressure for the pump. This will cause the air vessels or hose to detach from the pump.

OPTIMAL SPRINKLERS

- **Futurepump SF2, between 4 to 8 sprinklers**
- **Futurepump SE1, between 2 to 4 sprinklers**

Adding more than the optimal number of sprinklers will not increase the area irrigated as each sprinklers' radius will decrease.

No. Of Sprinklers	SE1	SF2	
1	✗	✗	Back pressure is too much, hoses will not stay attached.
2	✓	✗	Minimum viable but backpressure still high, may see increased wear to pulley and flywheel belts.
3-4	✓	✓	
5-8	✗	✓	Recommended number of sprinklers. Backpressure will add 4 - 5m of head, therefore suitable for total lifts of <10m.
>8	✗	✗	With each added sprinkler there will be a drop off in performance, especially of those furthest from the pump.
			Total irrigated area does not increase.

Note: The optimal number of sprinklers and radius of water distribution are dependent on total lift and backpressure. Using sprinklers will increase the backpressure or total head that the pump sees (limiting your pump's vertical lift). The sprinklers can only be used if the total head without sprinklers is less than 10m.