

SOLID SET IRRIGATION SYSTEM



The 75 Series solid set irrigation system is suitable for small farms and gardens.

It can be configured in multiple combinations based on the land shape, while also featuring quick installation, dis-assembly, and repositioning for added convenience. RainTek has enhanced the materials, structure, and sealing performance, extending the service life to over 10 years.



Core Components List

Please refer to the product list below for inquiries or to place orders.

Picture	Product	Product Number	Description
	Male Head	SIMH0075	Male Head with Clamps, 75mm
	Female Head	SIFH0075	Female Head, 75mm
	Elbow	SIPE7575	90° Elbow, 75mm Female × 75mm Clamped Male
	Tee	SITT7575	75mm Female × 75mm Female × 75mm Clamped Male
	Saddle Hydrant	SIEC7575	75mm Female × 75mm Clamped Male, 1" FNPT Outlet
	End Cap	SIEC0075	Plug, 75mm Male with Clamps
	Riser Pipe	SIRP1033	1" MNPT × 1" FNPT, 33mm Length
	Adaptor	SIPAS75	75mm Female × 2.5" MNPT
	Adaptor	RTSP1034	1" MNPT × 3/4" FNPT
	Gasket	SIRG0075	2-Lips Rubber Seal, Each Female need 1pc

Sprinkler Options

To meet the diverse needs of different customers, we offer three types of sprinkler for selection, aiming to achieve optimal irrigation results.

Xcel Wobbler High-Angle

The off-center rotary-action technology provides an extremely uniform and instantaneous application pattern at a lower pressure. 3/4"MNPT



3.97mm #10 Nozzle

Sprinkler Base Pressure	BAR			
	0.69	1.04	1.38	1.72
Flow (L/Hour)	504	618	713	797
Diameter @ 0.46 Meters Height (m)	13.6	14.9	15.4	16.3

RT3023 Impact Sprinkler

The RT3023 has one range nozzle and one spreader nozzle. 23° trajectory makes the max. throw distance on solid set irrigation system. 3/4"MNPT



3.5mm Range Nozzle × 2.4mm Spreader Nozzle

Sprinkler Base Pressure	BAR				
	2.07	2.41	2.76	3.10	3.45
Flow (L/Hour)	945	1022	1092	1158	1222
Diameter @ 1.83 Meters Height (m)	26.5	27.1	27.4	27.7	28.0

RT5035 Impact Sprinkler

The RT5035 has one range nozzle and one spreader nozzle. It is a commonly used garden irrigation sprinkler with a good spraying uniformity. 3/4"MNPT



3.5mm Range Nozzle × 2.4mm Spreader Nozzle

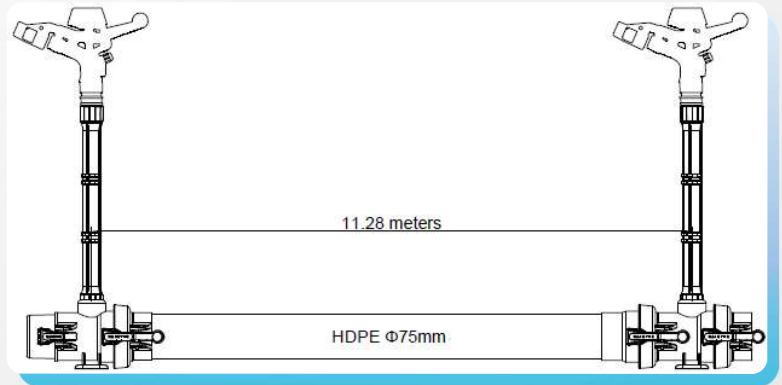
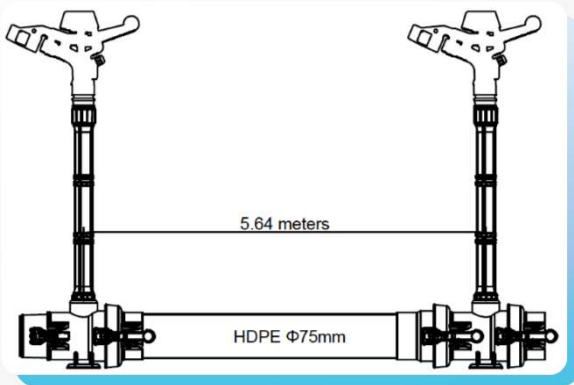
Sprinkler Base Pressure	BAR			
	2.0	3.0	4.0	5.0
Flow (L/Hour)	950	1180	1390	1590
Diameter @ 1.50 Meters Height (m)	22.2	23.0	24.5	25.0



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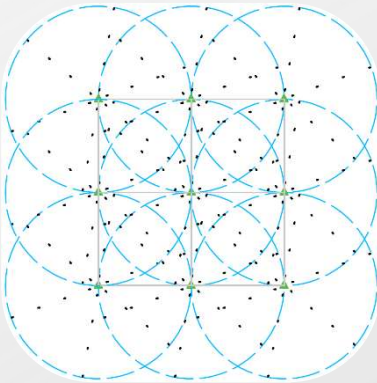
HDPE Pipe

We use high quality 75mm HDPE pipe, which features high strength, corrosion resistance, and anti-aging properties. For a better container loading purpose, the standard lengths we offer are 5.64 meters and 11.28 meters. Other lengths are available for customization.



Optimal Layout

To optimize the irrigation uniformity, please ensure that the spacing between two sprinklers is approximately equal to the sprinkler spray radius. Determine the pump parameters based on the operating pressure and the total sprinkler quantities. Please refer to the following diagram:



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