



IrriCruiser Mini TD1000-100 RAINFALL AND VELOCITY RELATIONS TABLE

Sprinkler Type: DuCaR Atom 22
Hose Diameter and Length: 25 mm (1") Drag Hose ; Length: 50 m
Traveller Length: 100 m

Nozzle Size	Sprinkler Pressure		Sprinkler Throw Range		% 85 of Throw Diameter of Sprinkler		Flow Rate			Lineer Velocity		Total Required Pressure		Turbine + Hose Friction Loss		Rainfall (mm)		Total Operation Time (Hour)	
	Bar	Psi	m	ft	m	ft	l/min	m ³ /hour	GPM	m/hour	ft/hour	Bar	psi	Bar	psi	mm	inch	330 ft	100 m
8 mm	2.5	36	16.5	54	28	92	63	3.8	16	15	49	4.0	58	1.5	22	8.3	0.33	6.7	6.7
	3	44	18	59	31	100	68	4.1	18	22	72	4.9	71	1.9	28	5.5	0.22	4.6	5.5
	4	58	19	62	32	106	80	4.8	21	26	85	7.0	102	3.0	44	5.2	0.21	3.9	4.6
6 mm + 4mm	3	44	17	56	29	95	57	3.4	15	12	39	5.2	75	2.2	32	9.0	0.36	8.4	8.3
	4	58	18	59	31	100	65	3.9	17	19	62	6.6	96	2.6	38	6.1	0.24	5.3	5.3
	4.5	65	18.5	61	31	103	70	4.2	18	23	75	7.7	112	3.2	46	5.3	0.21	4.4	4.3

***Note:** The table above was prepared with mathematical formulas and datas under average working conditions. It is targeted to give general information to the user. Real datas can be changed during using conditions. DuCaR Sprinklers does not accept any responsibility according to usage of this table.