



OCMIS R1/1-25/820T

Turbine Drive Hose Reel Irrigator

2.5" ID x 820 ft. PE Tube

Royal Sprinkler



Standard Features

- Turbine drive with gearbox power transmission to drive reel. No belts or pulleys!
- Aqua Computer for precise speed setting & run time
- Crossover inlet pipe
- Galvanized steel chassis and turret
- Galvanized reel
- Galvanized steel sprinkler cart with solid rubber tires
- Crank down stabilizers
- Mechanical sprinkler cart lift
- Sime Royal sprinkler with 4 nozzles
- 20 ft. supply hose

Performance Guide

Nozzle Size	Nozzle Flowrate (gpm)	System Pressure ¹ (psi)	Nozzle Pressure (psi)	Wetted Diameter (ft)	Irr. Width (ft)	Irr. Length (ft)	Irr. Area per Pull (ac)	Required Reel Speed (ft/hr) for Given Depth (in)		
								0.50	1.00	1.50
16 mm, 0.63 in	74	65	45	213	150	873	3.0	95	48	32
	78	72	50	221	155	875	3.1	97	49	32
	86	85	60	237	170	879	3.4	97	49	32
	93	97	70	252	180	883	3.6	99	49	33
18 mm, 0.71 in	94	73	45	219	155	875	3.1	117	58	39
	99	80	50	228	160	877	3.2	119	60	40
	109	94	60	246	175	882	3.5	119	60	40
	117	108	70	264	190	886	3.9	119	59	40
20 mm, 0.79 in	116	82	45	232	165	878	3.3	136	68	45
	123	90	50	241	170	880	3.4	139	69	46
	134	105	60	260	185	885	3.8	140	70	47
	145	120	70	278	195	889	4.0	144	72	48
22 mm, 0.87 in	140	93	45	245	175	881	3.5	154	77	51
	148	102	50	254	180	883	3.7	158	79	53
	162	119	60	271	190	888	3.9	164	82	55
	175	135	70	288	205	892	4.2	165	82	55

¹ System pressure is the pressure required at the machine inlet. It includes the allowances for the sprinkler, PE tube, machine plumbing, and drive friction losses. It does not include any allowances for field elevation differences or supply line pressure losses.

Performance guide is from calculated data; actual field performance may vary depending on pressure, terrain, wind, and field conditions.

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