

SIME SKIPPER



The Skipper is a full and part circle sprinkler. It can be equipped with nozzles of various diameters and an adjustable jet-breaker which provides a light and uniform rainfall all over the watered area. Its sizes and features have been designed to obtain the highest watering efficiency. It has a standard elevation angle of 25 degrees, but can be supplied with 'flip' nozzles which give 22 or 28 degree elevations. Note that the Skipper is a gear driven sprinkler and with its smooth rotation does not cause the vibration damage to

supporting infrastructure that similar sized impact sprinklers do. The smooth rotation is also much safer for operators than impact sprinklers because of the slower speed of external moving parts.

Custom Models

High Pressure Mining Skipper

A customised Skipper built to handle the high pressures (>150psi) commonly found in the mining industry. From outward appearances it is identical to the standard skipper, but has some minor internal modifications to support the higher pressures.

Applications

Agriculture

The Skipper was originally designed for agriculture and provides a light and uniform rainfall all over the watered area. It is a low maintenance solution for watering large areas. It can be used on an extensive range of crops and with its light rainfall is ideal for use on fragile plants.

Dust Suppression

The Standard Skippers or the High Pressure Mining Skipper are a high quality, lower cost option relative to other sprinklers used for dust suppression. Both sprinklers provide a even coverage over a large area.

Fire Prevention And Control - The High Pressure Mining Skipper has been used for fire prevention and control in Australian open cut coal mines.

Specifications

Nozzle diameter		Pressure		Jet length		Capacity			Values for a single Sprinkler	
mm	inch	Kg/cm ²	Ibs/inch	m	feet	l/min	m ³ /h	G.P.M	Irrigated area m ²	Rainfall per hour mm/h
10	0.4	2	29	20	61	120	7.2	32	1256	5.7
		3	44	22	67	147	8.8	39	1510	5.7
		4	56	26	76	170	10.2	45	1962	5.2
		5	70	28	85	189	11.3	50	2461	4.6
12	0.47	2	29	22	72	159	9.5	42	1519	6.2
		3	44	25	82	194	11.6	51	1962	5.9
		4	56	28	92	224	13.4	59	2461	5.4
		5	70	31	101	252	15.1	66	3017	5.0
14	0.55	2	29	24	78	195	11.7	51	1808	6.5
		3	44	27	88	251	15.0	66	2289	6.5
		4	56	30	98	290	17.4	76	2826	6.2
		5	70	33	108	324	19.4	85	3419	5.7
16	0.63	2	29	26	85	257	15.4	68	2123	7.2
		3	44	29	95	315	18.9	83	2640	7.1
		4	56	32	104	364	21.8	96	3217	6.8
		5	70	35	114	406	24.3	107	3846	6.3
18	0.71	2	29	28	91	318	19.0	84	2461	7.7
		3	44	31	101	404	24.2	106	3017	8.0
		4	56	34	111	471	28.3	124	3629	7.8
		5	70	37	121	521	31.3	137	4298	7.3
20	0.78	2	29	30	98	354	21.2	93	2826	7.5
		3	44	33	108	490	29.4	129	3419	8.6
		4	56	37	121	571	34.3	151	4298	8.0
		5	70	41	134	617	37.0	163	5278	7.0
22	0.86	3	44	34	103	561	33.6	148	3260	9.2
		4	56	38	115	643	38.5	170	4534	8.5
		5	70	42	128	715	42.0	180	5538	7.7
		6	85	43	131	779	46.7	206	5805	8
24	0.94	3	44	34	103	661	39.6	175	3620	10
		4	56	38	115	759	45.5	210	4534	10
		5	70	43	131	844	50.6	223	5805	8.7
		6	85	44	134	922	55.3	244	6079	9.1