

Spray and Bubbler Nozzles

Short Radius Nozzles Performance Data – Metric

Arc	Pressure		Color Code: Light Brown				Color Code: Light Green				Color Code: Light Blue									
	Bars	kPa	Nozzle	Radius m	Flow m ³ /hr	Flow l/min	Precip mm/hr	Nozzle	Radius m	Flow m ³ /hr	Flow l/min	Precip mm/hr	Nozzle	Radius m	Flow m ³ /hr	Flow l/min	Precip mm/hr			
90°	1.0	100	2Q	0.6	0.01	0.23	153	177	4Q	1.2	0.04	0.69	115	133	6Q	1.8	0.11	1.84	136	157
	1.5	150		0.6	0.02	0.28	188	217		1.2	0.05	0.77	128	147		1.8	0.11	1.93	143	165
	2.0	200		0.6	0.02	0.33	217	250		1.2	0.05	0.82	137	158		1.8	0.12	2.00	148	171
180°	2.1	210	2H	0.6	0.02	0.36	242	280	4H	1.2	0.05	0.84	139	160	6H	1.8	0.12	2.01	149	172
	2.5	250		0.6	0.02	0.36	242	280		1.2	0.05	0.87	145	168		1.8	0.12	2.06	152	176
	1.0	100		0.6	0.03	0.46	153	177		1.2	0.08	1.39	115	133		1.8	0.22	3.67	136	157
	1.5	150		0.6	0.03	0.56	188	217		1.2	0.09	1.54	128	147		1.8	0.22	3.86	143	165
	2.0	200		0.6	0.04	0.65	217	250		1.2	0.10	1.65	137	158		1.8	0.22	4.00	148	171
2.1	210	2H	0.6	0.04	0.67	222	257	4H	1.2	0.10	1.67	139	160	6H	1.8	0.22	4.03	149	172	
2.5	250		0.6	0.04	0.73	242	280		1.2	0.10	1.74	145	168		1.8	0.23	4.12	152	176	

Micro-Spray Nozzles Performance Data – Metric

Arc	Pressure		Nozzle	Radius m	Flow		Precip mm/hr	
	Bars	kPa			m ³ /hr	l/min	■	▲
90°	1.0	100	MS-Q	1.5	0.03	0.45	48	56
	3.0	300			0.03	0.53	56	65
	5.0	500			0.03	0.53	56	65
180°	1.0	100	MS-H	1.5	0.06	0.95	50	58
	3.0	300			0.06	1.06	56	65
	5.0	500			0.07	1.10	59	68
360°	1.0	100	MS-F	1.5	0.11	1.90	50	58
	3.0	300			0.13	2.12	56	65
	5.0	500			0.13	2.20	59	68

Strip Pattern Nozzle Performance Data – Metric

Nozzle Model	Pressure		Width x Length	Flow	
	Bars	kPa		m ³ /hr	l/min
LCS-515 Left-Corner Strip	1.0	100	1.2 m x 4.2 m	0.10	1.7
	1.5	150	1.2 m x 4.3 m	0.13	2.1
	2.0	200	1.5 m x 4.5 m	0.15	2.4
RCS-515 Right-Corner Strip	2.1	210	1.5 m x 4.5 m	0.15	2.5
	2.5	250	1.5 m x 4.5 m	0.16	2.7
	1.0	100	1.2 m x 4.2 m	0.10	1.7
SS-530 Side Strip	1.5	150	1.2 m x 4.3 m	0.13	2.1
	2.0	200	1.5 m x 4.5 m	0.15	2.4
	2.1	210	1.5 m x 4.5 m	0.15	2.5
ES-515 End Strip	2.5	250	1.5 m x 4.5 m	0.16	2.7
	1.0	100	2.2 m x 8.5 m	0.21	3.5
	1.5	150	2.4 m x 8.5 m	0.25	4.2
CS-530 Center Strip	2.0	200	1.5 m x 9.0 m	0.29	4.9
	2.1	210	1.5 m x 9.0 m	0.30	5.0
	2.5	250	1.5 m x 9.0 m	0.33	5.5
SS-918 Side Strip	1.0	100	1.1 m x 4.2 m	0.10	1.7
	1.5	150	1.2 m x 4.3 m	0.13	2.1
	2.0	200	1.5 m x 4.5 m	0.15	2.4
SS-530 Side Strip	2.1	210	1.5 m x 4.5 m	0.15	2.5
	2.5	250	1.5 m x 4.5 m	0.16	2.7
	1.0	100	2.2 m x 8.5 m	0.21	3.5
SS-918 Side Strip	1.5	150	2.4 m x 8.5 m	0.25	4.2
	2.0	200	1.5 m x 9.0 m	0.29	4.9
	2.1	210	1.5 m x 9.0 m	0.30	5.0
SS-918 Side Strip	2.5	250	1.5 m x 9.0 m	0.33	5.5
	1.0	100	2.4 m x 5.2 m	0.27	4.5
	1.5	150	2.7 m x 5.5 m	0.33	5.5
SS-918 Side Strip	2.0	200	2.7 m x 5.5 m	0.38	6.4
	2.1	210	2.7 m x 5.5 m	0.39	6.5
	2.5	250	2.7 m x 5.5 m	0.43	7.1

Model S-8A Stream Spray Nozzle Performance Data – Metric

Adjustable from 25° to 360°

Arc	Pressure		Radius m	Flow		Precip mm/hr	
	Bars	kPa		m ³ /hr	l/min	■	▲
90°	1.0	100	2.1	0.06	0.9	2.28	2.63
	1.5	150	2.4	0.07	1.2	1.93	2.22
	2.0	200	2.4	0.08	1.3	2.11	2.43
180°	2.1	210	2.4	0.08	1.4	2.29	2.64
	2.5	250	2.7	0.09	1.5	1.95	2.25
	1.0	100	2.1	0.11	1.9	2.12	2.45
360°	1.5	150	2.4	0.14	2.3	1.71	1.98
	2.0	200	2.4	0.16	2.7	1.80	2.08
	2.1	210	2.4	0.16	2.7	1.89	2.19
360°	2.5	250	2.7	0.18	3.0	1.57	1.81
	1.0	100	2.1	0.23	3.8	2.12	2.45
	1.5	150	2.4	0.28	4.6	1.67	1.93
360°	2.0	200	2.4	0.32	5.3	1.73	2.00
	2.1	210	2.4	0.33	5.5	1.77	2.05
	2.5	250	2.7	0.36	6.0	1.45	1.67

Model S-16A Stream Spray Nozzle Performance Data – Metric

Adjustable from 25° to 360°

Arc	Pressure		Radius m	Flow		Precip mm/hr	
	Bars	kPa		m ³ /hr	l/min	■	▲
90°	1.0	100	4.6	0.09	1.3	0.68	0.79
	1.5	150	4.9	0.10	1.6	0.69	0.80
	2.0	200	4.9	0.11	1.8	0.75	0.87
180°	2.1	210	5.2	0.11	1.9	0.72	0.83
	2.5	250	5.5	0.12	2.1	0.68	0.78
	1.0	100	4.6	0.16	2.6	0.57	0.66
360°	1.5	150	4.9	0.19	3.2	0.60	0.69
	2.0	200	4.9	0.22	3.7	0.66	0.76
	2.1	210	5.2	0.23	3.8	0.65	0.75
360°	2.5	250	5.5	0.25	4.1	0.62	0.71
	1.0	100	4.6	0.31	5.2	0.51	0.59
	1.5	150	4.9	0.38	6.4	0.55	0.63
360°	2.0	200	4.9	0.44	7.3	0.62	0.72
	2.1	210	5.2	0.45	7.5	0.61	0.70
	2.5	250	5.5	0.49	8.2	0.59	0.68

PCB / PCN & AFB Performance Data – Metric

Model	Pressure		Flow		Pattern Type
	Bars	kPa	m ³ /hr	l/min	
25	2.0	200	0.06	0.9	Trickle
50	2.0	200	0.11	1.9	Trickle
10	2.0	200	0.23	3.8	Umbrella
20	2.0	200	0.45	7.6	Umbrella

Note: Typical spacing 0.3 to 0.9 m.

5-CST-B Bubbler Nozzle Performance Data – Metric

Arc	Pressure		Radius m	Flow	
	Bars	kPa		m ³ /hr	l/min
90°	1.0	100	1.5	0.07	1.1
	1.5	150	1.5	0.07	1.2
	2.0	200	1.5	0.09	1.4
180°	2.1	210	1.5	0.09	1.5
	2.5	250	1.5	0.10	1.6

Multi-Stream Bubbler Performance Data – Metric

Arc	Model	Pressure		Flow		Radius m
		Bars	kPa	m ³ /hr	l/min	
90°	MSBN-25Q	2.0	200	0.06	0.9	0.30
	MSBN-50Q	2.0	200	0.11	1.9	0.46
180°	MSBN-50H	2.0	200	0.11	1.9	0.30
	MSBN-10H	2.0	200	0.23	3.8	0.46
360°	MSBN-10F	2.0	200	0.23	3.8	0.30
	MSBN-20F	2.0	200	0.45	7.6	0.46

Note: Typical spacing 0.6 to 1.2 m.

SPECIFICATIONBUILDER

MODEL	FLOW	OPTIONS
PCB = -1/2" PCN = Standard Female Nozzle Thread	25 = 0.94 l/min (0.25 GPM) 50 = 1.89 l/min (0.50 GPM) 10 = 3.78 l/min (1.0 GPM) 20 = 7.56 l/min (2.0 GPM)	R = Reclaimed Water
AFB = -1/2" FIPT	Adjustable Flow	
▶ PCB	▶ 25	▶ R (or leave blank)

EXAMPLE

▶ PCB - 25 - R