

Technical Specifications

100 SERIES BRASS SHRUB NOZZLES

FEATURES

- 100 Series shrub nozzle performance is identical to B Series brass nozzles.
- “Effective Radius” is provided to illustrate the excellent distribution profile of the nozzle series. Minor difference between “ER” and radius demonstrates the slope of distribution at the outer limits of coverage. This eliminates the requirement of “head to head” spacing.
- Fits 92 or 93 shrub body or the 96 adapter.



Standard 10' Low Angle Spray Trajectory / Matched Precipitation																									
Nozzle		3 - 5' Spacing (varies with application)				10' Max Spacing ¹			12' Max Spacing ¹			15' Max Spacing ¹			18' Max Spacing ¹			20' Max Spacing ¹							
Arc	PSI	No.	gpm	radius ²	ER ³	No.	gpm	radius ²	ER ³	No.	gpm	radius ²	ER ³	No.	gpm	radius ²	ER ³	No.	gpm	radius ²	ER ³	No.	gpm	radius ²	ER ³
180°	20	100H	.3	5	4	110H	.6	8	7	112H	1.0	9	8	115H	1.4	11	10	118H	2.0	12	11	120H	2.4	13	12
	25		.3	6	5		.7	8	7		1.1	9	8		1.6	12	10		2.3	13	12		2.7	14	13
	30		.3	7	5		.7	9	8		1.2	11	9		1.8	12	11		2.5	13	12		2.9	15	14
90°	20	100Q	.3	5	4	110Q	.3	8	7	112Q	.5	9	8	115Q	.7	11	10	118Q	1.0	12	11	120Q	1.2	13	12
	25		.3	6	5		.4	8	7		.6	9	8		.8	12	10		1.1	13	12		1.4	14	13
	30		.3	7	5		.4	9	8		.7	11	9		.9	12	11		1.2	13	12		1.5	15	14
120°	20	100A	.3	5	4									115A	1.0	11	10					120A	1.6	13	12
	25		.3	6	5										1.1	12	10						1.8	14	13
	30		.3	7	5										1.2	12	11						2.0	15	14
240°	20	100E	.3	5	4	110E	.9	8	7	112E	1.4	9	8					118E	3.1	12	11	120E	3.8	13	12
	25		.3	6	5		1.0	8	7		1.6	9	8						3.5	13	12		4.3	14	13
	30		.3	7	5		1.1	9	8		1.8	11	9						3.8	13	12		4.7	15	14
Metric																									
Nozzle		0.9 - 1.5m Spacing (varies with application)				3.0m Max Spacing ¹			3.6m Max Spacing ¹			4.4m Max Spacing ¹			5.4m Max Spacing ¹			6.0m Max Spacing ¹							
Arc	PSI	No.	gpm	radius ²	ER ³	No.	gpm	radius ²	ER ³	No.	gpm	radius ²	ER ³	No.	gpm	radius ²	ER ³	No.	gpm	radius ²	ER ³	No.	gpm	radius ²	ER ³
180°	1.4	100H	0.07	1.5	1.2	110H	0.14	2.4	2.1	112H	0.23	2.7	2.4	115H	0.32	3.3	3.0	118H	0.45	3.6	3.3	120H	0.55	3.9	3.6
	1.7		0.07	1.8	1.5		0.16	2.4	2.1		0.25	2.7	2.4		0.36	3.6	3.0		0.52	3.9	3.6		0.61	4.2	3.9
	2.1		0.07	2.1	1.5		0.16	2.7	2.4		0.27	3.3	2.7		0.41	3.6	3.3		0.57	3.9	3.6		0.66	4.5	4.2
90°	1.4	100Q	0.07	1.5	1.2	110Q	0.07	2.4	2.1	112Q	0.11	2.7	2.4	115Q	0.16	3.3	3.0	118Q	0.23	3.6	3.3	120Q	0.27	3.9	3.6
	1.7		0.07	1.8	1.5		0.09	2.4	2.1		0.14	2.7	2.4		0.18	3.6	3.0		0.25	3.9	3.6		0.32	4.2	3.9
	2.1		0.07	2.1	1.5		0.09	2.7	2.4		0.16	3.3	2.7		0.20	3.6	3.3		0.27	3.9	3.6		0.34	4.5	4.2
120°	1.4	100A	0.07	1.5	1.2									115A	0.23	3.3	3.0					120A	0.36	3.9	3.6
	1.7		0.07	1.8	1.5										0.25	3.6	3.0						0.41	4.2	3.9
	2.1		0.07	2.1	1.5										0.27	3.6	3.3						0.45	4.5	4.2
240°	1.4	100E	0.07	1.5	1.2	110E	0.20	2.4	2.1	112E	0.32	2.7	2.4					118E	0.70	3.6	3.3	120E	0.86	3.9	3.6
	1.7		0.07	1.8	1.5		0.23	2.4	2.1		0.36	2.7	2.4						0.79	3.9	3.6		0.98	4.2	3.9
	2.1		0.07	2.1	1.5		0.25	2.7	2.4		0.41	3.3	2.7						0.86	3.9	3.6		1.07	4.5	4.2
¹ Maximum triangular spacing. Climate, wind and nozzle performance should be considered for design spacing. Example: many designers de-rate spacing by using 90% of maximum for average site conditions. ² Listed radius determined by ASAE industry standard measurement of .01" (0.3 mm) per hour. Nozzle mounted on 12" (30 cm) riser. ³ ER "Effective Radius" indicates the most distant point at which .25" (6 mm) per hour precipitation will occur within the area of coverage. • For full circle shrub heads, specify B Series nozzles. • Precipitation: 1.2" (31 mm) per hour for half circle / 20 PSI (1.4 BAR) / maximum spacing.																									

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100 SERIES BRASS SHRUB NOZZLES

SPRAY HEADS shall be 100 series as manufactured by Weathermatic Sprinkler Division of Telsco Industries, or approved equal. Heads shall be part-circle (full-circle), non-adjustable, fixed orifice type with performance compatible to companion lawn spray heads. Heads shall be two-piece with spray direction controlled by screwing nozzle in body.

CONSTRUCTION: Heads and Shrub bodies for 100 series shall be machined brass having 1/2 IPS (no. 93) or 1/2 copper tube solder cup riser connection (no. 92) as required. All nozzles shall be interchangeable between bodies.

OPERATION: The fixed orifice nozzles provide fixed flows and area of coverage at rated pressure requirements in part-circle patterns or full-circle.