

Nozzle Comparison Chart

Designed with the utmost attention to detail, the versatility of the K-Rain nozzle line ensures that the professional has everything needed for a variety of residential and commercial terrains.

	Rotary Nozzle Series	Fully Adjustable Rotary Nozzle	HE KVF Adjustable Nozzles	KV Adjustable Nozzles	Fixed Pattern Nozzles
Nozzle Type	Full 360° Adjustable	Fully Adjustable	High Efficiency, Fully Adjustable	Fully Adjustable	Fixed Spray
Specifications					
Arc	90° - 360°	80° - 360°	0° - 360°	0° - 360°	90° - 360°
Radius	13' - 30'	13' - 30'	8' - 18'	5' - 20'	8' - 17'
Thread	female	female	female	male	female & male
Special patterns	right, left & side strip				center, end, side & high/low strip
Special pattern dimensions	4' x 15' to 7' x 32'				4' x 12' to 15' x 5' x 32'
Features					
Color-coded	•	•	•	•	•
Automatic matched precipitation	•	•	•	•	

* At optimal pressure

KV Nozzles

Adjustable pattern, male-threaded nozzles.

Features

- Superior Spray Patterns
- Fits K-Rain® K-Spray™ bodies
- Color-coded for Easy Identification
- Extra Long Filters Extend Time Between Cleanings

Models

KV8

8' (2,4 m) Nozzle,
■ Green

KV10

10' (3 m) Nozzle,
■ Blue

KV12

12' (3,7 m) Nozzle,
■ Brown

KV15

15' (4,6 m) Nozzle,
■ Black

KV17

17' (5,2 m) Nozzle,
■ Grey

Performance Data

KV-8 8' (2,4 m) Nozzle (Green)

ARC DEGREE	PRESSURE PSI	RADIUS Feet	FLOW GPM	PRECIP in/hr	
				■	▲
90°	20	7	.30	2.36	2.72
	30	8	.40	2.41	2.78
	40	8	.40	2.41	2.78
	50	9	.40	1.90	2.20
180°	20	7	.80	3.14	3.63
	30	8	.90	2.71	3.13
	40	8	1.00	3.01	3.47
	50	9	1.10	2.61	3.02
270°	20	7	1.20	3.14	3.63
	30	8	1.20	2.41	2.78
	40	8	1.30	2.61	3.01
	50	9	1.50	2.38	2.74
360°	20	7	1.90	3.73	4.31
	30	8	2.00	3.01	3.47
	40	8	2.20	3.31	3.82
	50	9	2.30	2.73	3.16

Performance Data, Metric

KV-8 8' (2,4 m) Nozzle (Green)

ARC DEGREE	PRESSURE Bar	RADIUS Meters	FLOW L/M	PRECIP mm/hr	
				■	▲
90°	1,38	2,1	1,14	60	69
	2,07	2,4	1,51	61	70
	2,76	2,4	1,51	61	70
	3,45	2,7	1,51	48	56
180°	1,38	2,1	3,03	80	92
	2,07	2,4	3,41	69	79
	2,76	2,4	3,79	76	88
	3,45	2,7	4,16	66	77
270°	1,38	2,1	4,54	80	92
	2,07	2,4	4,54	61	70
	2,76	2,4	4,92	66	76
	3,45	2,7	5,68	60	70
360°	1,38	2,1	7,19	95	109
	2,07	2,4	7,57	76	88
	2,76	2,4	8,33	84	97
	3,45	2,7	8,71	69	80

Performance Data

KV-10 10' (3 m) Nozzle (Blue)

ARC DEGREE	PRESSURE PSI	RADIUS Feet	FLOW GPM	PRECIP in/hr	
				■	▲
90°	20	12	.70	1.87	2.16
	30	12	1.10	2.94	3.40
	40	13	1.40	3.19	3.68
	50	14	1.50	2.95	3.40
180°	20	11	1.40	2.23	2.57
	30	11	1.60	2.55	2.94
	40	12	1.80	2.41	2.78
	50	13	2.00	2.28	2.63
270°	20	10	1.70	2.18	2.52
	30	10	2.00	2.57	2.96
	40	11	2.30	2.44	2.82
	50	12	2.60	2.32	2.68
360°	20	10	2.20	2.12	2.45
	30	10	2.70	2.60	3.00
	40	11	3.00	2.39	2.76
	50	12	3.50	2.34	2.70

Performance Data, Metric

KV-10 10' (3 m) Nozzle (Blue)

ARC DEGREE	PRESSURE Bar	RADIUS Meters	FLOW L/M	PRECIP mm/hr	
				■	▲
90°	1,38	3,7	2,65	47	55
	2,07	3,7	4,16	75	86
	2,76	4,0	5,30	81	93
	3,45	4,3	5,68	75	86
180°	1,38	3,4	5,30	56	65
	2,07	3,4	6,06	65	75
	2,76	3,7	6,81	61	70
	3,45	4,0	7,57	58	67
270°	1,38	3,1	6,44	55	64
	2,07	3,1	7,57	65	75
	2,76	3,4	8,71	62	71
	3,45	3,7	9,84	59	68
360°	1,38	3,1	8,33	54	62
	2,07	3,1	10,22	66	76
	2,76	3,4	11,36	61	70
	3,45	3,7	13,25	59	69

Performance Data

KV-12 12' (3,7 m) Nozzle (Brown)

ARC DEGREE	PRESSURE PSI	RADIUS Feet	FLOW GPM	PRECIP in/hr	
				■	▲
90°	20	12	1.10	2.94	3.40
	30	13	1.30	2.96	3.42
	40	14	1.50	2.95	3.40
	50	15	1.70	2.91	3.36
180°	20	11	1.60	2.55	2.94
	30	12	1.80	2.41	2.78
	40	13	2.20	2.51	2.89
	50	14	2.40	2.36	2.72
270°	20	11	1.90	2.02	2.33
	30	12	2.40	2.14	2.47
	40	12	2.60	2.32	2.68
	50	13	3.20	2.43	2.81
360°	20	11	2.80	2.23	2.57
	30	12	3.10	2.07	2.39
	40	12	3.50	2.34	2.70
	50	13	3.90	2.22	2.56

Performance Data, Metric

KV-12 12' (3,7 m) Nozzle (Brown)

ARC DEGREE	PRESSURE Bar	RADIUS Meters	FLOW L/M	PRECIP mm/hr	
				■	▲
90°	1,38	3,7	4,16	75	86
	2,07	4,0	4,92	75	87
	2,76	4,3	5,68	75	86
	3,45	4,6	6,44	74	85
180°	1,38	3,4	6,06	65	75
	2,07	3,7	6,81	61	70
	2,76	4,0	8,33	64	73
	3,45	4,3	9,08	60	69
270°	1,38	3,4	7,19	51	59
	2,07	3,7	9,08	54	63
	2,76	3,7	9,84	59	68
	3,45	4,0	12,11	62	71
360°	1,38	3,4	10,60	56	65
	2,07	3,7	11,73	53	61
	2,76	3,7	13,25	59	69
	3,45	4,0	14,76	56	65

*Data represents test results in zero wind. Radius may be reduced with the nozzle retention screw. **Bold = recommended pressure of 30 PSI.**

Performance Data

KV-15 15' (4,6 m) Nozzle (Black)

ARC DEGREE	PRESSURE PSI	RADIUS Feet	FLOW GPM	PRECIP in/hr	
				■	▲
90°	20	15	1.30	2.22	2.57
	30	17	1.60	2.13	2.46
	40	18	1.80	2.14	2.47
	50	19	2.00	2.13	2.46
180°	20	14	1.80	1.77	2.04
	30	15	2.30	1.97	2.27
	40	16	2.60	1.96	2.26
	50	18	2.80	1.66	1.92
270°	20	14	2.70	1.77	2.04
	30	15	3.20	1.83	2.11
	40	16	3.60	1.80	2.08
	50	18	4.00	1.58	1.83
360°	20	14	3.40	1.67	1.93
	30	15	4.20	1.80	2.07
	40	16	4.70	1.77	2.04
	50	16	5.30	1.99	2.30

Performance Data, Metric

KV-15 15' (4,6 m) Nozzle (Black)

ARC DEGREE	PRESSURE Bar	RADIUS Meters	FLOW L/M	PRECIP mm/hr	
				■	▲
90°	1,38	4,6	4,92	56	65
	2,07	5,2	6,06	54	62
	2,76	5,5	6,81	54	63
	3,45	5,8	7,57	54	62
180°	1,38	4,3	6,81	45	52
	2,07	4,6	8,71	50	58
	2,76	4,9	9,84	50	57
	3,45	5,5	10,60	42	49
270°	1,38	4,3	10,22	45	52
	2,07	4,6	12,11	46	53
	2,76	4,9	13,63	46	53
	3,45	5,5	15,14	40	46
360°	1,38	4,3	12,87	42	49
	2,07	4,6	15,90	46	53
	2,76	4,9	17,79	45	52
	3,45	4,9	20,06	51	58

Performance Data

KV-17 17' (5,2 m) Nozzle (Grey)

ARC DEGREE	PRESSURE PSI	RADIUS Feet	FLOW GPM	PRECIP in/hr	
				■	▲
90°	20	18	1.70	2.02	2.33
	30	18	1.80	2.14	2.47
	40	19	2.00	2.13	2.46
	50	20	2.20	2.12	2.45
180°	20	17	1.90	1.27	1.46
	30	18	2.40	1.43	1.65
	40	19	2.60	1.39	1.60
	50	19	2.90	1.55	1.79
270°	20	16	2.90	1.45	1.68
	30	17	3.40	1.51	1.74
	40	18	4.00	1.58	1.83
	50	18	4.50	1.78	2.06
360°	20	15	3.50	1.50	1.73
	30	17	4.40	1.47	1.69
	40	17	4.90	1.63	1.88
	50	18	5.40	1.60	1.85

Performance Data, Metric

KV-17 17' (5,2 m) Nozzle (Grey)

ARC DEGREE	PRESSURE Bar	RADIUS Meters	FLOW L/M	PRECIP mm/hr	
				■	▲
90°	1,38	5,5	6,44	51	59
	2,07	5,5	6,81	54	63
	2,76	5,8	7,57	54	62
	3,45	6,1	8,33	54	62
180°	1,38	5,2	7,19	32	37
	2,07	5,5	9,08	36	42
	2,76	5,8	9,84	35	41
	3,45	5,8	10,98	39	45
270°	1,38	4,9	10,98	37	43
	2,07	5,2	12,87	38	44
	2,76	5,5	15,14	40	46
	3,45	5,5	17,03	45	52
360°	1,38	4,6	13,25	38	44
	2,07	5,2	16,66	37	43
	2,76	5,2	18,55	41	48
	3,45	5,5	20,44	41	47

*Data represents test results in zero wind. Radius may be reduced with the nozzle retention screw. **Bold = recommended pressure of 30 PSI.**

