



K-RAIN PROPLUS™

THE NEXT GENERATION OF PROFESSIONAL ROTORS.



FEATURES/BENEFITS

- **5 Year Trade Warranty-** Factory support up to five years after purchase.
- **Revolutionary Patented Easy Arc Set-** Easily adjusted from the top with a flat blade screwdriver.
- **2N1 Adjustable or Continuous Rotation-** Provides a full range of adjustment from 40° to a full 360°.
- **Patented Arc Set Degree Markings-** Shows the degree of adjustment with the point of an arrow on the top cover.
- **Arc Memory Clutch-** Returns rotor to its preset position automatically even after being tampered with.
- **Time Proven Patented Reversing Mechanism-** Assures continuous reverse and return...over a 20 year history.
- **Ratcheting Riser-** Easily adjust your left stop position by turning the riser.
- **Heavy Duty Rubber Cover-** Protects against physical injury and reduces liability.
- **Wide Selection of Nozzles-** Including standard and low angle, provides flexibility in system design to achieve matched precipitation.
- **Optional Check Valve-** Prevents low head drainage, saves water and reduces liability.

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K-RAIN PROPLUS™ MODEL 11003: ADJUSTABLE ARC AND FULL-CIRCLE GEAR DRIVEN SPRINKLER

The sprinkler shall be of the gear-driven, rotary type, capable of covering an area of 28' to 50' (8.5 to 15.3 M) radius at nozzle pressure of 30 to 70 PSI (2.0 to 5.0 bar) with a discharge rate of .5 to 10.0 GPM (1.14 to 28.39 LPM). The sprinkler shall come supplied with not less than nine (9) numerically coded interchangeable nozzles. Sprinkler nozzle trajectory shall be 26°. The sprinkler shall come supplied with not less than four (4) numerically coded interchangeable low angle nozzles. Low angle nozzle trajectory shall be 12°. The sprinkler shall have a stainless steel radius adjustment screw.

The sprinkler shall provide both part and full circle adjustment from 40° to 360°. Sprinkler coverage pattern shall be indicated by degree graduations and an arrow located on top of the sprinkler, which shall rotate to correspond with arc selected. True full circle operation by continuous forward rotation shall be achieved by alignment of the indication arrow with the "360°" position locator marked on the top cover. The sprinkler shall have a friction-clutch mechanism to allow for 360°+ forward or reverse movement of nozzle turret without damage to the internal gear components. The sprinkler shall incorporate an "arc memory clutch" feature to allow original arc pattern to be automatically resumed following disturbance of nozzle turret setting.

The sprinkler shall have a minimum of 5-inch (12.5 cm) pop-up stroke. The sprinkler shall have a 3/4-inch female thread inlet.

The sprinkler shall carry a five-year trade warranty against manufacturing defects.

HOW TO SPECIFY

11003

Model

MODELS

11003	ProPlus Standard
11003-HP	ProPlus 12" High Pop
11003-SH	ProPlus Shrub Head
11003-RCW	ProPlus for Reclaimed Water w/Low Angle Nozzle

Other Options: Add to Part Number

NN	No Nozzle
LA	Low Angle Nozzle
CV	Check Valve

EASY ARC SETTING

Arc Selection 40° to Continuous 360°



Adjust From
Left Stop

PROPLUS PERFORMANCE DATA

PERFORMANCE

Nozzle	Pressure PSI	Radius Ft.	Flow GPM
#2.5 Pre-Installed	30	38'	2.5
	40	39'	2.8
	50	40'	3.2
	60	41'	3.5
#0.5	30	28'	.5
	40	29'	.6
	50	29'	.7
	60	30'	.8
#0.75	30	29'	.7
	40	30'	.8
	50	31'	.9
	60	32'	1.0
#1	30	32'	1.3
	40	33'	1.5
	50	34'	1.6
	60	35'	1.8
#2	30	37'	2.4
	40	40'	2.5
	50	42'	3.0
	60	43'	3.3
#3	30	38'	3.6
	40	39'	4.2
	50	41'	4.6
	60	42'	5.0
#4	30	43'	4.4
	40	44'	5.1
	50	46'	5.6
	60	49'	5.9
#6	40	45'	5.9
	50	46'	6.0
	60	48'	6.3
	70	49'	6.7
#8	40	42'	8.0
	50	45'	8.5
	60	49'	9.5
	70	50'	10.0

LOW ANGLE DATA

Nozzle	Pressure PSI	Radius Ft.	Flow GPM
#1	30	22'	1.2
	40	24'	1.7
	50	26'	1.8
	60	28'	2.0
#3	30	29'	3.0
	40	32'	3.1
	50	35'	3.5
	60	37'	3.8
#4	30	31'	3.4
	40	34'	3.9
	50	37'	4.4
	60	38'	4.7
#6	40	38'	6.5
	50	40'	7.3
	60	42'	8.0
	70	44'	8.6

SPECIFICATIONS

- Inlet: 3/4" Threaded NPT
- Arc Adjustment Range: 40° to Continuous 360°
- Flow Range: .5 - 10.0 GPM
- Pressure Rating: 7 - 70 PSI
- Precipitation Rate: .02 to 1.7 Inches Per Hour (Depending on Spacing and Nozzle Used)
- Overall Height (Popped Down): 7 1/2" / 17" for High Pop
- Recommended Spacing: 28' to 44'
- Radius: 28' to 50'
- Nozzle Trajectory: 26°
- Low Angle Nozzle Trajectory: 12°
- Standard and Low Angle Nozzle: Included
- Riser Height: 5"

METRIC

Nozzle	Pressure kPa	Bars	Radius Meters	Flow Rate L/M	M ³ /H
#2.5 Pre-Installed	206	2.04	11.6	9.46	.57
	275	2.72	11.9	10.60	.64
	345	3.40	12.2	12.11	.73
	413	4.08	12.5	13.25	.79
#0.5	206	2.0	8.5	1.89	.11
	275	3.0	8.8	2.27	.14
	345	3.5	8.8	2.65	.16
	413	4.0	9.1	3.03	.18
#0.75	206	2.0	8.8	2.65	.16
	275	3.0	9.1	3.03	.18
	345	3.5	9.4	3.41	.20
	413	4.0	9.8	3.79	.23
#1	206	2.0	9.8	4.92	.14
	275	3.0	10.1	5.68	.18
	345	3.5	10.4	6.05	.20
	413	4.0	10.7	6.81	.23
#2	206	2.0	11.3	9.08	.54
	275	3.0	12.2	9.46	.56
	345	3.5	12.8	11.35	.68
	413	4.0	13.1	12.49	.75
#3	206	2.0	11.6	12.49	.75
	275	3.0	11.9	15.89	.95
	345	3.5	12.5	17.41	1.04
	413	4.0	12.8	18.92	1.13
#4	206	2.0	13.1	16.65	.99
	275	3.0	13.4	19.30	1.15
	345	3.5	14.0	21.19	1.27
	413	4.0	14.9	22.33	1.33
#6	275	3.0	13.7	22.33	1.33
	345	3.5	14.0	22.71	1.36
	413	4.0	14.6	23.85	1.43
	482	5.0	14.9	25.35	1.52
#8	275	3.0	12.8	30.28	1.81
	345	3.5	13.7	32.12	1.92
	413	4.0	14.8	35.95	2.15
	482	5.0	15.3	37.85	2.27

METRIC

Nozzle	Pressure kPa	Bars	Radius Meters	Flow Rate L/M	M ³ /H
#1	207	2.04	6.71	5.67	.34
	275	2.72	7.32	6.43	.39
	344	3.40	7.92	6.80	.41
	413	4.08	8.53	7.56	.46
#3	207	2.04	8.84	11.34	.68
	275	2.72	9.75	11.72	.71
	344	3.40	10.67	13.23	.80
	413	4.08	11.28	14.36	.87
#4	207	2.04	9.45	12.85	.78
	275	2.72	10.36	14.74	.89
	344	3.40	11.28	16.631	1.00
	413	4.08	11.58	17.771	1.07
#6	275	2.72	11.58	24.57	1.68
	344	3.40	12.19	27.59	1.66
	413	4.08	12.80	30.24	1.82
	482	4.76	13.41	32.51	1.96

Data represents test results in zero wind. Adjust for local conditions. Radius may be reduced with nozzle retention screw.