



13003

K-RAIN MINI PRO™

THE NEXT GENERATION OF PROFESSIONAL ROTORS.

FEATURES/BENEFITS

- **Revolutionary Patented Easy Arc Set-** Simplified arc set allows for wet or dry adjustment in seconds.
- **1/2" Inlet-** Replaces all standard mini rotors and pop-up sprays.
- **2N1 Adjustable or Continuous Rotation-** Provides a full range of adjustment from 40° to a continuous full circle.
- **Patented Arc Set Degree Markings-** Clearly indicates the current watering pattern and simplifies arc set adjustment.
- **Arc Memory Clutch-** Prevents internal gear damage and returns rotor to its prior setting automatically if nozzle turret is forced past its stop.
- **Time Proven Patented Reversing Mechanism-** Assures continuous reverse and return...over a 20 year history.
- **Ratcheting Riser-** Allows for easy adjustment of your left starting position with a simple turn of the riser.
- **Rubber Cover-** Seals out dirt and increases product durability.
- **Wide Selection of Nozzles-** Provides flexibility in system design.
- **Optional Check Valve-** Prevents low head drainage.

K
RAIN®

IRRIGATION SOLUTIONS WORLDWIDE™

K-RAIN MINIPRO™ MODEL 13003: ADJUSTABLE ARC AND FULL-CIRCLE GEAR DRIVEN SPRINKLER

The MiniPro is a gear-driven, rotary type sprinkler, capable of covering an area of 17' to 30' (5.2 to 9.1 M) radius at nozzle pressure of 30 to 50 PSI (2.1 to 3.4 bar) with a discharge rate of .75 to 3.3 GPM (2.84 to 12.5 LPM).

The MiniPro is supplied with five (5) numerically coded interchangeable nozzles. Sprinkler nozzle trajectory is 26°. The sprinkler has a stainless steel radius adjustment screw.

The MiniPro provides arc adjustment from 40° to 360°. Sprinkler arc setting adjustment is carried out by rotation of a flat blade screwdriver within top cover adjustment slot. Sprinkler coverage pattern is indicated by degree graduations and an arrow located on top of the sprinkler, and rotate to correspond with arc selected. The MiniPro is adjustable in all phases of installation (i.e., before installation, after installation while static, and after installation while in operation).

HOW TO SPECIFY

13003

Model

MODELS

13003 MiniPro Standard
Other Options: Add to Part Number
RCW Reclaimed Water Use

EASY ARC SETTING

Arc Selection 40° to 360°



Adjust From
Left Stop

SPECIFICATIONS

- Inlet: 1/2" Female Threaded NPT
- Arc Adjustment Range: 40° to Continuous 360°
- Flow Range: .75-3.3 GPM
- Pressure Rating: 20-70 PSI
- Precipitation Rate: .22 to .41 Inches Per Hour (depending on spacing and nozzle used)
- Overall Height (Popped Down): 6"
- Recommended Spacing: 17' to 28'
- Radius: 17' to 30'
- Nozzle Trajectory: 26°
- Riser Height: 4"

MINIPRO™ PERFORMANCE DATA

PERFORMANCE					METRIC					
Nozzle	Pressure PSI	Radius Ft.	Flow GPM	Nozzle	Pressure kPa	Pressure Bars	Radius Meters	Flow Rate L/M	Flow Rate M ³ /H	
#0.75	30	17'	.75	#0.75	207	2.1	5.1	2.84	.2	
	40	17'	.8		276	2.8	5.1	3.03	.2	
	50	18'	.9		345	3.4	5.4	3.41	.2	
#1	30	20'	.9	#1	207	2.1	6.0	3.41	.2	
	40	21'	1.2		276	2.8	6.3	4.54	.3	
	50	21'	1.3		345	3.4	6.3	4.92	.3	
#1.5	30	23'	1.4	#1.5	207	2.1	6.9	5.30	.4	
	40	24'	1.7		276	2.8	7.2	6.44	.4	
	50	24'	1.9		345	3.4	7.2	7.20	.5	
#2	30	25'	1.8	#2	207	2.1	7.5	6.82	.5	
	40	27'	2.1		276	2.8	8.1	7.95	.5	
	50	27'	2.4		345	3.4	8.1	9.09	.6	
#3	30	28'	2.7	#3	207	2.1	8.4	10.2	.7	
	40	30'	3.0		276	2.8	9.0	11.4	.8	
	50	30'	3.3		344	3.4	9.0	12.5	.8	

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



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