MODELS

10003

Super Pro

SUPERPRO™ 10003

The SUPERPRO™ Rotor, with its patented mechanism for individual rotor flow shut-off, renders installations easier and drier. Perfect for new construction, newly installed sod can be watered while other areas are being prepared for sodding.

Like all K-Rain rotors, the SUPERPRO™ is packed with innovative features: Partial to continuous 360° coverage, an interchangeable nozzle for superior spray patterns, patented Easy Arc Set and Arc Memory Clutch, which returns the rotor to its preset position automatically.



Flow Shut-Off allows you to stop the flow right at the head.



FEATURES/BENEFITS

- Flow Shut-Off-Stop the flow right at the head with the turn of a screwdriver or K-Key for quick and easy nozzle changes.
- 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.



HOW TO SPECIFY

10003

EASY ARC SETTING



Arc Selection 40° to Continuous 360° Adjust From Left Stop



K-RAIN SUPERPRO™ MODEL 11003

The SuperPro is a gear-driven, rotary type sprinkler, capable of covering an area of 28' to 49' (8.5 to 14.9 M) radius at nozzle pressure of 30 to 70 PSI (2.0 to 5.0 bar) with a discharge rate of .5 to 9.5 GPM (1.89 to 35.96 LPM). The SuperPro has a manual flow shut-off. The sprinkler is supplied with nine (9) numerically coded interchangeable nozzles. Sprinkler nozzle trajectory is 26°. The SuperPro is supplied with four (4) numerically coded interchangeable low angle nozzles. Low angle nozzle trajectory is 12°. The SuperPro has a stainless steel radius adjustment screw.

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



The SUPER*PRO* has a minimum of 5-inch (12.5 cm) pop-up stroke and a 3/4-inch female thread inlet.

SPECIFICATIONS

■ Inlet: 3/4" Threaded NPT

Arc Adjustment Range: 40° to Continuous 360°

Flow Range: .5 - 10.0 GPM

Pressure Rating: 7 - 90 PSI

 Precipitation Rate: .05 to .74 Inches Per Hour (Depending on Spacing and Nozzle Used)

Overall Height (Popped Down): 8 3/4"

Recommended Spacing: 28' to 44'

Radius: 28' to 49'

Nozzle Trajectory: 26°

Low Angle Nozzle Trajectory: 12°

Standard and Low Angle Nozzle: Included

Riser Height: 5"





SUPERPRO = PERFORMANCE DATA

PERFORMANCE					
NOZZLE	PRESSURE PSI	RADIUS FT.	FLOW GPM		
#2.5 pre-installed	30	35'	2.5		
	40	36'	2.8		
	50	37'	3.2		
	60	38'	3.6		
#0.5	30	30'	.45		
	40	29'	.5		
	50	26'	.6		
	60	26'	.7		
#0.75	30	32'	.7		
	40	32'	.8		
	50	33'	.9		
	60	33'	1.0		
#1	30	30'	1.1		
	40	32'	1.3		
	50	33'	1.5		
	60	33'	1.6		
#2	30	38'	2.3		
	40	38'	2.5		
	50	40'	2.7		
	60	42'	3.0		
#3	30	35'	3.4		
	40	36'	3.8		
	50	38'	4.2		
	60	39'	4.8		
#4	30	42'	4.1		
	40	44'	4.6		
	50	45'	5.1		
	60	46'	5.7		
#6	40	46'	5.8		
	50	48'	6.4		
	60	49'	7.0		
	70	49	7.5		
#8	40	42'	7.5		
	50	45'	8.2		
	60	48'	9.0		
	70	48	9.5		

METRIC			
NOZZLE	PRESSURE	RADIUS	FLOW RATE
	kPa BARS	METERS	L/M M³/H
#2.5 pre-installed	207 2.1	10.7	9.46 .57
	276 2.8	11.0	10.60 .64
	345 3.4	11.3	12.11 .73
	414 4.1	11.6	13.63 .82
#0.5	207 2.1	9.1	1.70 .10
	276 2.8	8.8	1.89 .11
	345 3.4	7.9	2.27 .14
	414 4.1	7.9	2.65 .16
#0.75	207 2.1	9.8	2.65 .16
	276 2.8	9.8	3.03 .18
	345 3.4	10.1	3.41 .20
	414 4.1	10.1	3.79 .23
#1	207 2.1	9.1	4.16 .25
	276 2.8	9.8	4.92 .30
	345 3.4	10.1	5.68 .34
	414 4.1	10.1	6.06 .36
#2	207 2.1	11.6	8.71 .52
	276 2.8	11.6	9.46 .57
	345 3.4	12.2	10.22 .61
	414 4.1	12.8	11.36 .68
#3	207 2.1	10.7	12.87 .77
	276 2.8	11.0	14.38 .86
	345 3.4	11.6	15.90 .95
	414 4.1	11.9	18.17 1.09
#4	207 2.1	12.8	15.52 .93
	276 2.8	13.4	17.41 1.04
	345 3.4	13.7	19.31 1.16
	414 4.1	14.0	21.58 1.29
#6	276 2.8	14.0	21.96 1.32
	345 3.4	14.6	24.23 1.45
	414 4.1	14.9	26.50 1.59
	483 4.8	14.9	28.39 1.70
#8	276 2.8	12.8	28.39 1.70
	345 3.4	13.7	31.04 1.86
	414 4.1	14.6	34.07 2.04
	483 4.8	14.6	35.96 2.16

LOW ANGLE DATA NOZZLE PRESSURE PSI RADIUS FT. FLOW GPM #1 30 26' 1.3 40 27' 1.5 50 27' 1.7 60 28' 1.9 30 2.9 #3 29' 40 30' 3.3 50 31' 3.4 33' 4.0 30 4.0 #4 28' 40 31' 4.7 50 34' 5.0 60 36' 6.0 40 30' 6.0 #6 50 34' 7.0 60 37' 7.8 70 38' 8.2

LOW ANGLE DATA, METRIC					
NOZZLE	PRESSURE	RADIUS	FLOW RATE		
	kPa BARS	METERS	L/M M³/H		
#1	207 2.1	7.9	4.92 .30		
	276 2.8	8.2	5.68 .34		
	345 3.4	8.2	6.44 .39		
	414 4.1	8.5	7.19 .43		
#3	207 2.1	8.8	10.98 .66		
	276 2.8	9.1	12.49 .75		
	345 3.4	9.4	12.87 .77		
	414 4.1	10.1	15.14 .91		
#4	207 2.1	8.5	15.14 .91		
	276 2.8	9.4	17.79 1.07		
	345 3.4	10.4	18.93 1.14		
	414 4.1	11.0	22.71 1.36		
#6	207 2.8	9.1	22.71 1.36		
	276 3.4	10.4	26.50 1.59		
	345 4.1	11.3	29.53 1.77		
	414 4.8	11.6	31.04 1.86		

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

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