



**The ProPlus™ is packed with features that ensure reliability, saving the installer time, money and needless frustration.**

- ▶ **Revolutionary Patented Easy Arc Set** – Simplified arc set allows for wet or dry adjustment in seconds.
- ▶ **5" Riser** – Perfect for grasses with thick thatch.
- ▶ **3/4" Inlet** – Replaces all standard rotors.
- ▶ **2N1 Adjustable or Continuous Rotation** – Provides a full range 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** – Including standard and low angle, provides flexibility in system design.
- ▶ **Optional Check Valve** – Prevents low head drainage.



**IRRIGATION SOLUTIONS  
WORLDWIDE™**

# PROPLUS™

The **PROPLUS™** adjustable arc and full-circle gear driven rotor comes standard with nine numerically coded interchangeable nozzles. Excellent nozzle performance delivers an exceptional fall out pattern. In independent testing by C.I.T., the **PROPLUS™** delivered up to 90% uniform coverage.

**Also Available:** 12" High Pop, Shrub Head and Reclaimed Water models.

Tough, proven and advanced, the **PROPLUS™** is the leader in it's class. Set it and forget it. Arc Memory Clutch returns the rotor to its preset position. Technology works for you.

## MODELS

- 11003** ProPlus
- 11003-HP** ProPlus 12" High Pop
- 11003-SH** ProPlus Shrub Head

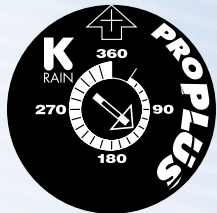
### OTHER OPTIONS: ADD TO PART NUMBER

- CV** Check Valve
- LA** Low Angle Nozzle
- NN** No Nozzle
- RCW** ProPlus for Reclaimed Water w/Low Angle Nozzle

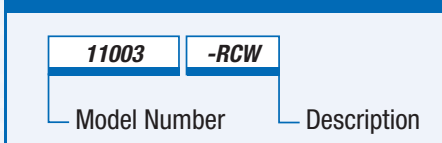
## EASY ARC SETTING

**Arc Selection 40° to Continuous 360°**

Adjust From Left Start



### HOW TO SPECIFY



**K-Rain Manufacturing Corp.**  
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 Riviera Beach, FL 33404 USA  
 +1 561 844-1002  
 FAX: +1 561 842-9493  
**1.800.735.7246 | www.krain.com**

## SPECIFICATIONS

- ▶ Inlet: 3/4" Threaded NPT
- ▶ Arc Adjustment Range: 40° to Continuous 360°
- ▶ Flow Range: .5 - 10.0 GPM
- ▶ Pressure Rating: 20 - 70 PSI
- ▶ Precipitation Rate: .06 to .50 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: 22' to 50'
- ▶ Nozzle Trajectory: 26°
- ▶ Low Angle Nozzle Trajectory: 12°
- ▶ Standard and Low Angle Nozzle: Included
- ▶ Riser Height: 5"

## PERFORMANCE DATA

PERFORMANCE				
NOZZLES	PRESSURE PSI	RADIUS FT.	FLOW GPM	
#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	
#2.5	30	38'	2.5	
	PRE-INSTALLED	40	39'	2.8
	50	40'	3.2	
	60	41'	3.5	
#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	

METRIC					
NOZZLES	PRESSURE KPA	BARS	RADIUS METERS	FLOW L/M M3/H	
#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 .30	
	275	3.0	10.1	5.68 .34	
	345	3.5	10.4	6.05 .36	
	413	4.0	10.7	6.81 .41	
#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	
#2.5	206	2.04	11.6	9.46 .57	
	PRE-INSTALLED	275	2.72	11.9	10.60 .64
	345	3.40	12.2	12.11 .73	
	413	4.08	12.5	13.25 .79	
#3	206	2.0	11.6	13.63 .81	
	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	206	3.0	13.7	22.33 1.33	
	275	3.5	14.0	22.71 1.36	
	345	4.0	14.6	23.85 1.43	
	413	5.0	14.9	25.35 1.52	
#8	206	3.0	12.8	30.28 1.81	
	275	3.5	13.7	32.12 1.92	
	345	4.0	14.8	35.95 2.15	
	413	5.0	15.3	37.85 2.27	

LOW ANGLE DATA			
NOZZLES	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

METRIC				
NOZZLES	PRESSURE KPA	BARS	RADIUS METERS	FLOW L/M M3/H
#1	207	2.04	6.71	4.54 .27
	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	11.58	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	16.63 1.00
	413	4.08	11.58	17.77 1.07
#6	275	2.72	11.58	24.57 1.48
	344	3.40	12.19	27.59 1.76
	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.