

**MODELS**

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

**OTHER OPTIONS: ADD TO PART NUMBER**

<b>-NN</b>	No Nozzle
<b>-LA</b>	Low Angle Nozzle
<b>-CV</b>	Check Valve

**PROPLUS™ 11003**

The PROPLUS™ adjustable arc and full-circle gear driven rotor comes standard with nine numerically coded interchangeable nozzles. The flagship model in the PROPLUS™ line, it's packed with features that ensure reliability, saving the installer time, money and needless frustration. Excellent nozzle performance delivers an exceptional fall out pattern. In independent testing by C.I.T., the PROPLUS™ delivered up to 90% uniform coverage.

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.

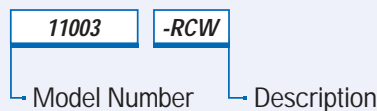


**FEATURES/BENEFITS**

- 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**



**EASY ARC SETTING**



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



RCW

HIGH POP

SHRUB

#### **PROPLUS™ FOR RECLAIMED WATER–11003-RCW**

A heavy duty rubber cover protects against physical injury. The purple cover positively identifies reclaimed water and reduces your liability.

FOR MORE INFORMATION ON RCW PRODUCTS, PLEASE SEE PAGES 32 AND 33.

#### **PROPLUS™ 12" HIGH POP–11003-HP**

Appropriate for medium-to-large landscape areas, the PROPLUS™ HP provides high-level-accuracy in a riser that pops up over your plant material.

As with all the members of the PROPLUS™ family, the High Pop provides the patented Arc Set, with the arc of rotation clearly indicated at the top. Fully adjustable from 40° to 360° degrees, the system is adjustable prior to installation and during operation.

A ratcheting riser allows easy adjustment of the left stop position.

#### **PROPLUS™ SHRUB HEAD–11003-SH**

All the features of the PROPLUS in a shrub-appropriate size.

Big things come in small packages. That's the scoop on the PROPLUS™ Shrub Head. This rotor is packed with versatility, reliability and proven excellence.

The PROPLUS™ Shrub Head incorporates 2N1 adjustable or continuous rotation. This innovative component in rotor design provides a full range of adjustment from 40° to 360°, reducing inventory and streamlining contractors' back-office operation.

### **K-RAIN PROPLUS™ MODEL 11003**

The PropPlus is a gear-driven, rotary type sprinkler, 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 ProPlus is supplied with nine (9) numerically coded interchangeable nozzles. Sprinkler nozzle trajectory is 26°. The ProPlus is supplied with four (4) numerically coded interchangeable low angle nozzles. Low angle nozzle trajectory is 12°. The sprinkler has a stainless steel radius adjustment screw.

The ProPlus 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 ProPlus incorporates an "arc memory clutch" feature to allow original arc pattern to be automatically resumed following disturbance of nozzle turret setting. The sprinkler has a minimum of 5-inch (12.5 cm) pop-up stroke and a 3/4-inch female thread inlet.



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

METRIC					
NOZZLE	PRESSURE		RADIUS METERS	FLOW RATE	
	kPa	BARS		L/M	M <sup>3</sup> /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	13.63	.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	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			
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

METRIC					
NOZZLE	PRESSURE		RADIUS METERS	FLOW RATE	
	kPa	BARS		L/M	M <sup>3</sup> /H
#1	207	2.04	6.71	4.54	.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	11.58	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	1.68
	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.

## 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: .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: 28' to 50'
- Nozzle Trajectory: 26°
- Low Angle Nozzle Trajectory: 12°
- Standard and Low Angle Nozzle: Included
- Riser Height: 5"



IRRIGATION SOLUTIONS  
WORLDWIDE™

K-Rain Manufacturing Corp.  
1640 Australian Avenue • Riveara Beach, FL 33404 USA  
PH: 1-5610844-1002/1-800-735-7246 FAX: 561-842-9493