



K-RAIN PROSPORT™

THE NEXT GENERATION OF PROFESSIONAL ROTORS.

- **Revolutionary Patented Easy Arc Set**- Simplified arc set allows for wet or dry adjustment in seconds.
- **Triple Nozzle Configuration**- Insures even distribution of water.
- **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.
- **Heavy Duty Rubber Cover / Rubber Mud Guard**- Protects against physical injury and reduces liability, allows sprinkler to be installed below grade.
- **Factory Installed Check Valve**- Prevents low head drainage.



K
RAIN®

IRRIGATION SOLUTIONS WORLDWIDE™

aquaspec®

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K-RAIN PROSPORT™ MODEL 14003: ADJUSTABLE ARC AND FULL- CIRCLE GEAR DRIVEN SPRINKLER

The ProSport is a gear-driven rotor capable of covering an area of 45' to 77' (13.7 to 23.5 M) radius at nozzle pressure of 40 to 90 PSI (2.76 to 6.21 bar) with a discharge rate of 5.9 to 32.5 GPM (22.3 to 123.0 LPM).

The ProSport is supplied with six (6) numerically coded interchangeable nozzles. Nozzle trajectory is 26° and incorporate three (3) discharge ports. The rotor has a stainless steel radius adjustment screw.

The ProSport provides both part and full circle adjustment from 40° to 360°. 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 rotation is provided by alignment of the indication arrow with the "360°" position locator marked on the top cover.

The rotor has a friction-clutch mechanism to allow for 360°+ forward or reverse movement of nozzle turret without damage to the internal gear components. The ProSport incorporates an "arc memory clutch" feature to allow original arc pattern to be automatically resumed following disturbance of nozzle turret setting.

The ProSport has a minimum of 4-inch (10 cm) pop-up stroke. The sprinkler has a 1-inch female thread inlet.

EASY ARC SETTING

Arc Selection 40° to Continuous 360°



Adjust From Left Stop

HOW TO SPECIFY

14003 **-SS**
 | |
 Model Description



IRRIGATION SOLUTIONS WORLDWIDE™



MODELS

14003	ProSport Plastic
14003-SS	ProSport Stainless Steel
14003-BSP	ProSport w/BSP Thread
14003-BSP-SS	ProSport Stainless Steel w/BSP Thread
14053	ProSport High Speed Plastic
14053-SS	ProSport High Speed Stainless Steel
14053-BSP	ProSport High Speed w/BSP Thread
14053-BSP-SS	ProSport High Speed Stainless Steel w/BSP Thread
Other Options: Add to Part Number	
NN	No Nozzle
RCW	Reclaimed Water Use

SPECIFICATIONS







- Inlet: 1" Threaded NPT Domestic
1" BSP: International
- Arc Adjustment Range: 40° to Continuous 360°
- Flow Range: 5.9 - 32.5 GPM
- Pressure Rating: 40 - 90 PSI
- Overall Height (Popped Down): 9 1/2"
- Recommended Spacing: 40' to 65'
- Radius: 45' to 77'
- Nozzle Trajectory: 26°
- Riser Height: 4"

PROSPORT PERFORMANCE DATA







14003 PERFORMANCE

Nozzle	Pressure PSI	Radius Ft	Flow GPM
	40	45'	5.1
	50	47'	5.9
	60	47'	6.5
	70	49'	7.1
	50	53'	10.6
	60	53'	11.8
	70	53'	12.6
	80	55'	13.5
	50	57'	13.0
	60	59'	14.2
	70	59'	15.4
	80	63'	16.6
	60	65'	18.9
	70	67'	20.5
	80	69'	21.9
	90	71'	23.2
	60	67'	22.8
	70	71'	24.8
	80	75'	26.5
	90	77'	26.8
	60	67'	23.7
	70	69'	25.6
	80	69'	27.5
	90	71'	29.2







14003 METRIC

Nozzle	Pressure Kpa	Pressure Bars	Radius Meters	Flow Rate L/M	Flow Rate M3/H
	276	2.76	13.7	19.3	1.16
	345	3.45	14.3	22.3	1.34
	414	4.14	14.3	24.6	1.48
	483	4.83	14.9	26.9	1.61
	345	3.45	16.2	40.1	2.41
	414	4.14	15.9	44.3	2.66
	483	4.83	16.2	47.1	2.86
	552	5.52	16.8	51.1	3.06
	345	3.45	17.4	49.2	2.95
	414	4.14	18.0	53.8	3.23
	483	4.83	18.0	85.3	3.50
	552	5.52	19.2	62.5	3.75
	414	4.14	19.8	71.5	4.29
	483	4.83	20.4	77.6	4.66
	552	5.52	21.0	82.9	4.97
	621	6.21	21.6	87.8	5.27
	414	4.14	20.4	86.3	5.18
	483	4.83	21.6	93.9	5.63
	552	5.52	22.9	100.3	6.02
	621	6.21	23.5	101.4	6.08
	414	4.14	20.4	89.7	5.38
	483	4.83	21.0	96.9	5.81
	552	5.52	21.0	104.1	6.25
	621	6.21	21.6	110.5	6.63

14053 PERFORMANCE

Nozzle	Pressure PSI	Radius Ft	Flow GPM
	40	43'	5.9
	50	44'	6.2
	60	45'	6.4
	70	45'	7.6
	50	49'	10.6
	60	53'	11.5
	70	53'	13.3
	80	54'	14.0
	50	52'	12.4
	60	54'	13.6
	70	56'	14.6
	80	58'	15.9
	60	56'	19.8
	70	68'	21.2
	80	59'	22.8
	90	60'	24.4
	60	59'	22.4
	70	66'	25.7
	80	67'	27.8
	90	68'	29.9
	60	60'	25.2
	70	72'	28.5
	80	73'	30.8
	90	75'	32.5

14053 METRIC

Nozzle	Pressure Kpa	Pressure Bars	Radius Meters	Flow Rate L/M	Flow Rate M3/H
	276	2.76	13.11	22.3	1.34
	345	3.45	13.41	23.47	1.14
	414	4.14	13.72	24.22	1.45
	483	4.83	13.72	28.77	1.73
	345	3.45	14.94	40.12	2.41
	414	4.14	15.85	44.28	2.66
	483	4.83	16.15	50.34	3.02
	552	5.52	16.46	52.99	3.18
	345	3.45	15.85	46.93	2.82
	414	4.14	16.46	58.67	3.52
	483	4.83	17.07	55.26	3.32
	552	5.52	17.68	60.18	3.61
	414	4.14	17.07	66.24	3.97
	483	4.83	17.68	71.54	4.29
	552	5.52	17.98	78.73	4.72
	621	6.21	18.29	82.14	4.93
	414	4.14	17.98	84.78	5.09
	483	4.83	20.12	97.28	5.84
	552	5.52	20.42	105.23	6.31
	621	6.21	20.73	113.18	6.79
	414	4.14	18.29	95.38	5.72
	483	4.83	21.95	107.88	6.47
	552	5.52	22.25	116.59	7.00
	621	6.21	22.86	123.03	7.38

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