

Water Management Highlight

Smart Arc Technology: It Just Makes Sense

A rotor that's designed for park and sports field installations better be a rotor ready to withstand some trouble. Because let's face it, whether from vandals or just accidental movement during play, watering arcs get disturbed. With the exclusive SmartArc memory feature on all TR70P Series rotors, the sprinkler will automatically return to the previous arc setting when tampering occurs. The durable slip clutch design prevents damage to the gears and when joined with SmartArc you've got a rotor with an unbeatable combination.

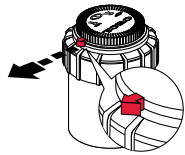
TR70P, TR70PSS Performance Data

Nozzle Size	psi	GPM	Radius	Precip. Rate	
				▲	■
7 ● Orange	50	7.5	43	0.34	0.39
	60	8.2	45	0.34	0.39
	70	8.9	45	0.34	0.45
	80	9.6	44	0.41	0.48
	90	10.1	44	0.44	0.50
9 ● Red	100	11.1	46	0.44	0.51
	50	8.4	46	0.33	0.38
	60	8.8	48	0.32	0.37
	70	9.4	48	0.33	0.38
	80	10.0	51	0.32	0.37
12* ● Black	90	10.1	51	0.31	0.36
	100	11.6	53	0.34	0.40
	50	10.5	53	0.31	0.36
	60	11.6	55	0.32	0.37
	70	12.6	56	0.34	0.39
16 ● Blue	80	13.5	57	0.35	0.40
	90	14.4	58	0.36	0.41
	100	15.3	60	0.35	0.41
	50	15.3	55	0.42	0.49
	60	16.3	59	0.39	0.45
20 ● Green	70	17.4	61	0.39	0.45
	80	18.5	61	0.41	0.48
	90	19.7	66	0.38	0.44
	100	20.8	67	0.39	0.45
	50	18.6	55	0.51	0.59
24 ● Brown	60	19.9	59	0.48	0.55
	70	21.0	61	0.47	0.54
	80	22.4	63	0.47	0.54
	90	22.8	66	0.45	0.56
	100	25.1	68	0.45	0.52
27 ● Gray	50	18.7	57	0.48	0.55
	60	19.8	61	0.44	0.51
	70	21.5	63	0.45	0.52
	80	23.1	66	0.44	0.51
	90	24.5	67	0.46	0.53
27 ● Gray	100	25.9	70	0.44	0.51
	50	21.1	59	0.51	0.58
	60	23.7	64	0.48	0.56
	70	25.6	67	0.48	0.55
	80	26.8	68	0.48	0.56
27 ● Gray	90	28.2	69	0.49	0.57
	100	29.6	71	0.49	0.57

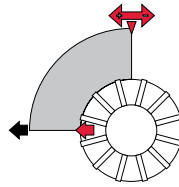
*Factory installed nozzle.

Specifying Information—TR70P

TR70 XXX-XX-E			
Description	Body	Nozzle	Optional
TR70	XX	XX	E
TR70—TR70 Series Rotor	P—Lawn Pop-up PSS—stainless Steel	7—7.0 9—9.0 12—12.0 16—16.0	20—20.0 24—24.0 27—27.0
E—Effluent			
Example: A TR70 Series lawn pop-up sprinkler with a 12.0 nozzle, would be specified as: TR70P-12			



Align the fixed left stop by positioning the arrow on the cap with the reverse point on the left.



Adjust the right arc by positioning the down arrow on the black band with the desired reverse point on the right.

Specifications

Model Description

- TR70P-02 5" Lawn pop-up
- TR70P-02E 5" Lawn pop-up, Effluent

With Stainless Steel Riser

Model Description

- TR70PSS-02 5" Lawn pop-up w/Stainless Steel Riser
- TR70PSS-02E 5" Lawn pop-up w/Stainless Steel Riser, Effluent

Dimensions

- Body Diameter: 2 3/8"
- Cap Diameter: 3"
- Height: 9 1/4"

Operating Specifications

- Radius: 43' – 71'
- Flow Rate: 7.5 – 29.6 GPM
- Recommended Operating Pressure Range: 50-100 psi (maximum)
- Trajectory:
- Pop-up to nozzle: 4 3/4"
- Inlet: 1" female-threaded
- 1/2" below grade

Additional Features

- Standard check valve maintains up to 10' elevation change
- Cluster, water-lubricated, gear-drive design
- Arc adjustment from 30° to 360°
- Standard, reversible check valve prevents low-head drainage, keeping laterals charged with water
- Black adjustment band for visual verification of arc setting
- Unique, over molded wiper seal for greater debris resistance and below grade installation
- Standard rubber cover
- Stainless steel radius adjustment screw allows up to 25% radius reduction
- Large filter screen to prevent clogging
- Color-coded nozzle tree with 7 nozzles

Warranty

- Five years