



Fast, visible adjustment requires no tools.

Specifications

Model	Description
• TR50P	5" Lawn pop-up
• TR50PE	5" Lawn pop-up, Effluent
• TR50S	Shrub
• TR50SE	Shrub, Effluent
• TR50HP	12" High-pop
• TR50HPE	12" High-pop, Effluent

With Stainless Steel Riser

Model	Description
• TR50PSS	5" Lawn pop-up w/Stainless Steel Riser
• TR50PSSE	5" Lawn pop-up w/Stainless Steel Riser, Effluent

Dimensions

- Body Diameter:
 - Lawn Pop-up: 2 3/8"
 - High-pop: 2 1/2"
- Cap Diameter: 3"
- Height:
 - Lawn Pop-up: 8"
 - High-Pop: 15 7/8"

Operating Specifications

- Radius: 33' – 50'
- Flow Rate: 0.90 – 10.20 GPM
- Recommended Operating Pressure Range: 30-70 psi (maximum-75 psi)
- Trajectory: 25°
- Pop-up to nozzle: 4 3/4"
- Inlet: 3/4" female-threaded
 - 1/2" and 3/4" female-threaded on shrub
- 1/2" below grade installation (except shrub model)

Additional Features

- Cluster, water-lubricated, gear-drive design
- Standard rubber cover
- Large filter screen to prevent clogging
- Factory installed with a #3.0 nozzle
- Left arc indicator on cap (arrow) and on body (hash mark), and right trip indicator on black adjusting band
- Dry mode pull-up slot for convenience
- Arc adjustment from 30°-360°
- Continuous, unidirectional rotation provides uniform water coverage when set at full circle
- Color-coded nozzle tree with 8 interchangeable nozzles
- Stainless steel radius adjustment screw allows up to 25% radius reduction

Warranty

- Five years

Water Management Highlight

Smart Arc™ Is Water Management When You're Not Around

A rotor with a memory! That is exactly what you get with the TR50 Series. Rotors get vandalized or moved wreaking havoc on the irrigation system. With Toro's exclusive SmartArc memory feature you're in safe hands since the rotor automatically returns to the previous setting. The rugged slip clutch ensures the gears are not damaged, but when combined with SmartArc you've got a fail safe system that further guarantees you're not throwing water in the wrong direction. It's a water management tool that works when you're not around.

TR50, TR50PSS Performance Data

Nozzle	psi	Radius	GPM	Precipitation Rate (in/hr) ■	Precipitation Rate (in/hr) ▲
1.0 ● Yellow	30	33	0.9	0.08	0.09
	40	36	1.0	0.07	0.09
	50	37	1.2	0.08	0.10
	60	38	1.3	0.09	0.10
	70	38	1.5	0.10	0.12
1.5 ● Orange	30	36	1.2	0.09	0.10
	40	38	1.5	0.10	0.12
	50	40	1.6	0.10	0.11
	60	41	1.8	0.10	0.12
	70	41	2.0	0.11	0.13
2.0 ● Red	30	36	1.6	0.12	0.14
	40	39	1.9	0.12	0.14
	50	40	2.1	0.13	0.15
	60	42	2.3	0.13	0.14
	70	42	2.7	0.15	0.17
3.0* ● Black	30	39	2.1	0.13	0.15
	40	41	2.5	0.14	0.17
	50	42	2.8	0.15	0.18
	60	43	3.2	0.17	0.19
	70	43	3.4	0.18	0.20
4.5 ● Blue	30	38	3.3	0.22	0.25
	40	40	4.0	0.24	0.28
	50	43	4.6	0.24	0.28
	60	43	5.1	0.27	0.31
	70	44	5.6	0.28	0.32
6.0 ● Green	30	39	4.2	0.27	0.31
	40	42	5.0	0.27	0.32
	50	46	5.7	0.26	0.30
	60	48	6.3	0.26	0.30
	70	48	6.8	0.16	0.18
7.5 ● Brown	30	40	5.2	0.31	0.36
	40	44	6.2	0.31	0.36
	50	47	7.1	0.31	0.36
	60	49	7.9	0.32	0.37
	70	49	8.5	0.34	0.39
9.0 ● Gray	30	40	6.3	0.38	0.44
	40	45	7.5	0.36	0.41
	50	48	8.6	0.36	0.42
	60	49	9.6	0.39	0.44
	70	50	10.2	0.39	0.45

* Factory installed nozzle.

Specifying Information—TR50P

TR50 XX-XX-E			
Description	Body	Nozzle	Optional
TR50	XX	XX	E
TR50—TR50 Series Rotor	P—Lawn Pop-up S—Shrub HP—High-pop PSS—Stainless Steel Riser	10—1.0 45—4.5 15—1.5 60—6.0 20—2.0 75—7.5 30—3.0 90—9.0	E—Effluent
Example: A 12" high-pop TR50 Series sprinkler with a 9.0 nozzle, would be specified as: TR50-HP-90			