



TURBO TOP 10

Consider 10 Reasons why the Turbo is our #1 Selling Product!



1 DOUBLE-THICK RUBBER COVER

- The beefiest in the business to protect the head and the customer
- Visible "+" and "-" arrows guide arc adjustment
- Surrounded by a ribbed screw-on cover for a sure grip in wet conditions

3 WIDEST RANGE RACK

- 14 nozzles in one rack
- Includes 4 SmartAngle (low angle) and 2 Flow+ nozzles to provide 1" rotor range in a 3/4" body
- Factory pre-installed nozzle available

5 PRESSURE-ACTIVATED WIPER SEAL

- Superior material and size provides extreme reliability in sandy conditions
- 10-year rated seal exceeds 6000 cycles of performance
- Pops up and seals below 20 psi

7 READY-CHECK™ CHECK VALVE

- There when you need it at no added cost
- Holds up to 12' of elevation to prevent low head drainage

9 FIVE YEAR WARRANTY "NO QUESTIONS ASKED"

- Our return rate is less than 2%; Factory defects are less than 1%
- 20 years of proven performance

2 TOTALLY TOOL-LESS ARC ADJUSTMENT

- Arc adjustment ring has visible arc indicators for easiest "dry" adjustment – just grip the ring and dial it in!
- Wet set "point and shoot" adjustment without a tool is the fastest in the business. Just hold the ring and turn the top
- Ratchets like a spray head to align arc. No channel locks required.
- Factory pre-set at 180°
- Vandal-resistant slip clutch and strong sonic weld prevent breakage as is common with other brands

4 HI TECH, SELF-CLEANING MICRO FILTER

- 20 micron filter originally developed for the medical industry protects reversing mechanism from dirt and debris

6 HEAVY-GAUGE SPRING FOR POSITIVE RETRACTION

- 20 lbs. of force vs. 10 lbs. for the competition

8 100% WATER TESTED

- Verifies rotation, rotation speed and reversing action on every sprinkler

10 AMAZING VALUE FOR THE PRICE!

- Commercial sprinkler performance, strength and value for a residential price
- Try the entire Turbo Series and experience the Turbo difference!



T3 – TURBO ROTARY SPRINKLER

FEATURES (LISTED TOP TO BOTTOM OF ROTOR)

- 5 year warranty and 100% water tested
- Thick, vandal resistant rubber cover is standard; visible arrows indicate + or – arc adjustment
- Radius adjustment screw decreases radius up to 25%
- “Punch-thru” cover to protect nozzle retaining screw from debris
- Easy grip threaded cover
- 14 field changeable nozzles including SmartAngle (low angle) and Flow+ all on one rack
- Safety clutch for vandal protection; ratchets like a sprayhead
- Part circle models adjust from 40 – 360°; no tools required
- Expanded “arc dwell” on part circle models provides full coverage along borders
- Pressure activated wiper seal and strong stainless steel spring on pop-up models to ensure positive retraction
- High-tech micro filter protects reversing mechanism
- Streamlined large flow tube to minimize pressure loss through sprinkler
- Impeller flow regulator automatically matches flow to nozzle selection
- Smooth impeller gear drive for highly uniform watering
- Large area, basket type, removable strainer for debris protection
- Standard Ready Check™ check valve on T3 and T3-36 models is easily reversed in the field to a “check” position. Check valve holds back 12' (3,7 m/hd) of elevated water

CONSTRUCTION

- High-strength non-corrosive plastics and metals used throughout sprinkler
- Sealed, lubricant packed drive housing provides long life performance

OPTIONS (FACTORY INSTALLED)

- Non-potable cover (add “N” suffix)
- Vandal cover lock (add “XV” prefix)

ACCESSORIES

- T3ST Nozzle install collar

T3 DIMENSIONS

Height (closed): 7 5/8" (19,4 cm)
Pop-up Height: 4" (10,2 cm)
Inlet: 1/2" IPS

T3S SHRUB DIMENSIONS

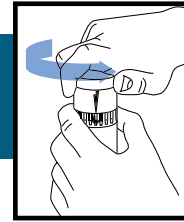
Height: 8 3/16" (20,8 cm)
Inlet: 1/2" IPS

OPERATING RANGE

		METRIC
Precipitation Rate	Approx. 0.4 – 0.6" per hour @ 50 psi	10 – 15 mm per hour @ 3,5 bar
Radius	23 – 61'	7,0 – 18,6 m
Pressure	20 – 70 psi	1,4 – 4,8 bar
Flow	0.5 – 14.9 gpm	0,11 – 3,39 m ³ /h

MODEL SPECIFICATION

T3	Pop-up adjustable arc
T3-36	Pop-up full circle
T3S	Adjustable arc shrub model
T3SS	Stainless steel pop-up adjustable arc
T3SS-36	Stainless steel pop-up full circle



**“POINT AND SHOOT”
ARC ADJUSTMENT
WITHOUT TOOLS**

T3 PERFORMANCE

Nozzle	Pressure psi	Radius* ft.	Flow gpm	METRIC		
				Pressure bar	Radius* m	Flow m ³ /hr
STANDARD ANGLE 26° TRAJECTORY						
1	20	23	0.5	1,4	7,0	0,11
	30	28	0.7	2,0	8,5	0,16
	40	32	0.8	2,8	9,8	0,18
	50	33	0.9	3,5	10,1	0,20
1.5	60	33	1.0	4,1	10,1	0,23
	20	24	0.8	1,4	7,3	0,18
	30	31	1.0	2,0	9,4	0,23
	40	35	1.2	2,8	10,7	0,32
2	50	36	1.6	3,5	11,0	0,36
	60	36	1.8	4,1	11,0	0,40
	20	21	0.9	1,4	6,4	0,20
	30	28	1.2	2,0	8,5	0,27
3	40	35	1.4	2,8	10,7	0,42
	50	35	1.9	3,5	10,7	0,43
	60	35	2.3	4,1	10,7	0,52
	20	21	0.9	1,4	6,4	0,2
3.5	30	30	1.7	2,0	9,1	0,39
	40	38	2.0	2,8	11,6	0,51
	50	39	2.4	3,5	11,9	0,54
	60	41	2.8	4,1	12,5	0,64
4	40	41	3.5	2,8	12,5	0,78
	50	42	3.7	3,5	12,8	0,84
	60	43	4.3	4,1	13,1	0,99
	40	44	4.0	2,8	13,4	0,9
6	50	45	4.3	3,5	13,7	0,98
	60	46	5.0	4,1	14,0	1,13
	40	45	5.5	2,8	13,7	1,24
	50	46	6.3	3,5	14,0	1,43
8	60	47	6.9	4,1	14,3	1,58
	40	45	6.3	2,8	13,7	1,43
	50	47	7.5	3,5	14,3	1,7
	60	51	8.1	4,1	15,6	1,85

SmartAngle 13° LOW ANGLE TRAJECTORY

2.0LA	30	29	1.6	2,1	8,8	0,36
	40	33	1.9	2,8	10,1	0,44
	50	34	2.1	3,5	10,4	0,47
2.5LA	30	31	2.1	2,1	9,5	0,49
	40	35	2.6	2,8	10,7	0,58
	50	36	2.9	3,5	11,0	0,65
3.5LA	30	31	2.7	2,1	9,5	0,61
	40	35	3.2	2,8	10,7	0,73
	50	37	3.5	3,5	11,3	0,79
4.5LA	30	33	3.0	2,1	10,1	0,70
	40	37	3.4	2,8	11,3	0,82
	50	37	4.1	3,5	11,3	0,92

FLOW+ NOZZLES 26° TRAJECTORY

9	50	50	9.5	3,5	15,3	2,15
	60	54	10.8	4,1	16,5	2,44
	70	55	11.7	4,8	16,8	2,66
13	50	57	12.4	3,5	17,4	2,81
	60	59	13.8	4,1	18,0	3,13
	70	61	14.9	4,8	18,6	3,39

* Radius of coverage shown is for still air with no diffusion. Maximum radius reduction with diffuser screw is 25%.

* Note: see Sprinkler Design section for spacing and precipitation rate formulas.

