

TVAN VARIABLE ARC NOZZLES

Quick, easy and infinitely adjustable! Toro® Variable Arc Nozzles (TVAN) are designed to deliver excellent irrigation efficiency with maximum versatility.

Additional Features

- ✓ Stainless steel adjustment screw allows up to 25% radius reduction
- ✓ Nozzle arc adjustment opens from a fixed left stop position indicated by an arrow on the top

FEATURES & BENEFITS

Matched Precipitation Rates

Ensures all nozzles with a common radii apply water at approximately the same rate.

Unique Grip and Turn Adjustment

Requires no tools and makes arc setting fast and simple. Adjust from the top of the nozzle – wet or dry.

Infinitely Adjustable from 0° - 360°

The TVAN provides a variety of arc settings to precisely match any terrain and reduces inventory by meeting the needs of any size or shape landscape.

Five Color-coded Nozzles

Allows for quick and easy identification even when retracted.



8' Variable Arc Nozzle



10' Variable Arc Nozzle



12' Variable Arc Nozzle



15' Variable Arc Nozzle



17' Variable Arc Nozzle



SPECIFICATIONS

Operational

- Radius: 2,4m-5,2m
- Operating pressure range: 1,4-3,5 Bar
- Recommended operating pressure: 2,1 Bar

Warranty

- Two years



Easy Grip Top

The easy grip top makes arc adjustment from 0°-360° a snap

TVAN VARIABLE ARC NOZZLES MODEL LIST

Model	Description
TVAN8	2,4m (8') Variable Arc Pattern
TVAN10	3,0m (10') Variable Arc Pattern
TVAN12	3,7m (12') Variable Arc Pattern
TVAN15	4,6m (15') Variable Arc Pattern
TVAN17	5,2m (17') Variable Arc Pattern

Performance Data TVAN Variable Arc Nozzles — Metric

Pattern	Bar	8 Series-Green				10 Series-Blue				12 Series-Brown				15 Series-Black				17 Series-Gray			
		LPM	Radius (m)	Precipitation		LPM	Radius (m)	Precipitation		LPM	Radius (m)	Precipitation		LPM	Radius (m)	Precipitation		LPM	Radius (m)	Precipitation	
90°	1,50	1,30	2,20	74,44	64,46	1,80	2,80	63,63	55,10	3,00	3,40	71,92	62,28	3,90	4,60	51,08	44,23	4,60	4,90	53,10	45,98
	2,00	1,40	2,40	67,36	58,33	1,90	3,00	58,51	50,67	3,10	3,60	66,29	57,41	4,20	4,60	55,01	47,64	5,10	5,20	52,27	45,27
	2,50	1,60	2,60	65,59	56,80	2,30	3,00	70,82	61,33	3,80	3,80	72,93	63,16	4,90	4,80	58,94	51,04	5,80	5,40	55,12	47,74
	3,00	1,80	2,70	68,43	59,26	2,60	3,00	73,90	64,00	4,50	4,10	74,19	64,25	5,60	4,90	64,64	55,98	6,50	5,50	59,55	51,57
180°	3,50	1,90	2,70	72,23	62,55	2,80	3,00	86,22	74,67	4,80	4,30	71,94	62,30	6,10	4,90	70,41	60,97	7,00	5,50	64,13	55,54
	1,50	2,10	2,20	60,12	52,07	3,20	2,50	70,95	61,44	5,20	3,40	62,33	53,98	6,50	4,10	53,58	46,40	7,40	4,40	52,97	45,87
	2,00	2,40	2,40	57,74	50,00	3,60	2,70	64,63	55,97	5,70	3,60	60,94	52,78	7,10	4,50	48,58	42,07	8,00	5,10	42,62	36,91
	2,50	2,60	2,40	62,55	54,17	3,90	2,90	64,26	55,65	6,40	4,00	55,43	48,00	8,00	4,60	52,39	45,37	10,70	5,30	52,78	45,71
270°	3,00	2,80	2,50	62,08	53,76	4,30	3,00	66,20	57,33	7,10	4,30	53,21	46,08	8,80	4,60	57,63	49,91	10,70	5,30	52,78	45,71
	3,50	2,90	2,80	51,26	44,39	4,70	3,00	72,36	62,67	7,70	4,30	57,71	49,97	9,40	4,60	61,56	53,31	11,60	5,50	53,14	46,02
	1,50	3,20	2,20	61,08	52,88	4,50	2,50	66,51	57,59	7,40	3,20	66,76	57,80	8,60	3,80	55,02	47,63	9,90	4,20	51,85	44,89
	2,00	3,50	2,40	56,13	48,60	4,90	2,70	62,09	53,76	8,10	3,90	49,20	42,59	9,90	4,50	45,16	39,10	10,80	5,10	38,36	33,21
360°	2,50	3,80	2,40	60,95	52,76	5,60	2,90	61,51	53,26	9,40	4,20	49,23	42,62	10,90	4,60	47,59	41,20	12,70	5,20	43,39	37,56
	3,00	4,20	2,50	62,08	53,75	6,20	3,00	63,64	55,10	10,40	4,30	51,96	44,99	11,90	4,70	49,77	43,09	14,20	5,30	46,70	40,43
	3,50	4,60	2,80	54,20	46,93	6,70	3,00	68,77	59,54	10,90	4,30	54,46	47,15	12,90	4,90	49,63	42,97	15,40	5,50	47,03	40,72
	1,50	4,20	2,20	60,12	52,07	6,20	2,50	68,73	59,52	8,60	3,00	66,21	57,33	9,90	3,80	47,50	41,14	11,00	5,20	28,19	24,41
360°	2,00	4,80	2,40	57,74	50,00	6,90	2,70	65,58	56,79	10,00	3,80	47,98	41,55	11,80	4,50	40,37	34,96	12,80	5,50	29,32	25,39
	2,50	5,50	2,60	56,37	48,82	7,90	2,90	65,09	56,36	11,10	3,60	59,34	51,39	12,90	4,60	42,24	36,58	14,20	5,50	32,52	28,17
	3,00	6,10	2,70	57,98	50,21	8,80	3,00	67,75	58,67	12,10	3,50	68,44	59,27	14,00	4,70	43,91	38,03	15,60	5,50	35,73	30,94
	3,50	6,70	2,70	63,68	55,14	9,50	3,00	73,14	63,33	12,90	3,70	65,29	56,54	15,00	4,90	43,29	37,48	17,00	5,50	38,94	33,72

▲ Precipitation rates are for triangular spacing, shown in millimeters per hour, calculated at 50% of diameter.
 ■ Precipitation rates are for square spacing, shown in millimeters per hour, calculated at 50% of diameter.
 All performance specifications are based on the stated working pressure available at the base of the sprinkler.
 Shaded data indicates optimal operating pressure.
 Data based on 360°.

Specifying Information—TVAN

TVANXX	
Model	Radius
TVAN	XX
TVAN—Toro Variable Arc Nozzle	8— 2,4m (8') Variable Arc Pattern 10— 3,0m (10') Variable Arc Pattern 12— 3,7m (12') Variable Arc Pattern 15— 4,6m (15') Variable Arc Pattern 17— 5,2m (17') Variable Arc Pattern

Example: A TVAN8 nozzle, would be specified as: **TVAN8**