TVAN VARIABLE ARC NOZZLES

Quick, easy and infinitely adjustable!

Toro® Variable Arc Nozzles (TVAN) are designed to deliver excellent irrigation efficiency with maximum product versatility.

FEATURES & BENEFITS

Matched Precipitation Rates
Within a given radius family (MPR) ensures all nozzles 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.

Filve Colour-coded Nozzles
Allow for quick and easy identification even when retracted

SPECIFICATIONS

Operating Specifications
Radius: 2.2-5.5 m (8' to 17')

Operating Pressure Range: 150-350 kPa (20-50 psi)

Recommended Pressure: 210 kPa (30 psi)

Warranty Period
2-Years

TVAN Variable Arc Nozzles Model List

Model	Description
TVAN8	2.4 m (8') Variable Arc Pattern
TVAN10	3.0 m (10') Variable Arc Pattern
TVAN12	3.7 m (12') Variable Arc Pattern
TVAN15	4.6 m (15') Variable Arc Pattern
TVAN17	5.2 m (17') Variable Arc Pattern

Easy Grip Top: The easy grip top makes arc adjustment from 0°- 360° a snap

Performance Data - TVAN

	Pressure	8 Series-Green				10 Series-Blue				12 Series-Brown				15 Series-Black				17 Series-Gray			
Pattern	kPa	Flow (Lpm)	Radius	Prec. Rate* (mm/hr) ▲	Prec. Rate* (mm/hr) ■	Flow (Lpm)	Radius	Prec. Rate* (mm/hr) ▲	Prec. Rate* (mm/hr) ■	Flow (Lpm)	Radius	Prec. Rate* (mm/hr) ▲	Prec. Rate* (mm/hr) ■	Flow (Lpm)	Radius	Prec. Rate* (mm/hr) ▲	Prec. Rate* (mm/hr) ■	Flow (Lpm)	Radius	Prec. Rate* (mm/hr) ▲	Prec. Rate* (mm/hr) ■
90°	150	1.3	2.2	74.4	64.4	1.8	2.8	63.6	55.1	3.0	3.4	71.9	62.2	3.9	4.6	51.0	44.2	4.6	4.9	53.1	45.9
	200	1.4	2.4	67.3	58.3	1.9	3.0	58.5	50.6	3.1	3.6	66.2	57.4	4.2	4.6	55.0	47.6	5.1	5.2	52.2	45.2
	250	1.6	2.6	65.5	56.8	2.3	3.0	70.8	61.3	3.8	3.8	72.9	63.1	4.9	4.8	58.9	51.0	5.8	5.4	55.1	47.7
	300	1.8	2.7	68.4	59.2	2.6	3.0	73.9	64.0	4.5	4.1	74.1	64.2	5.6	4.9	64.6	55.9	6.5	5.5	59.5	51.5
	350	1.9	2.7	72.2	62.5	2.8	3.0	86.2	74.6	4.8	4.3	71.9	62.3	6.1	4.9	70.4	60.9	7.0	5.5	64.1	55.5
180°	150	2.1	2.2	60.1	52.0	3.2	2.5	70.9	61.4	5.2	3.4	62.3	53.9	6.5	4.1	53.5	46.4	7.4	4.4	52.9	45.8
	200	2.4	2.4	57.7	50.0	3.6	2.7	64.6	55.9	5.7	3.6	60.9	52.7	7.1	4.5	48.5	42.0	8.0	5.1	42.6	36.9
	250	2.6	2.4	62.5	54.1	3.9	2.9	64.2	55.6	6.4	4.0	55.4	48.0	8.0	4.6	52.3	45.3	10.7	5.3	52.7	45.7
	300	2.8	2.5	62.0	53.7	4.3	3.0	66.2	57.3	7.1	4.3	53.2	46.0	8.8	4.6	57.6	49.9	10.7	5.3	52.7	45.7
	350	2.9	2.8	51.2	44.3	4.7	3.0	72.3	62.6	7.7	4.3	57.7	49.9	9.4	4.6	61.5	53.3	11.6	5.5	53.1	46.0
270°	150	3.2	2.2	61.0	52.8	4.5	2.5	66.5	57.5	7.4	3.2	66.7	57.8	8.6	3.8	55.0	47.6	9.9	4.2	51.8	44.8
	200	3.5	2.4	56.1	48.6	4.9	2.7	62.0	53.7	8.1	3.9	49.2	42.5	9.9	4.5	45.1	39.1	10.8	5.1	38.3	33.2
	250	3.8	2.4	60.9	52.7	5.6	2.9	61.5	53.2	9.4	4.2	49.2	42.6	10.9	4.6	47.5	41.2	12.7	5.2	43.3	37.5
	300	4.2	2.5	62.0	53.7	6.2	3.0	63.6	55.1	10.4	4.3	51.9	44.9	11.9	4.7	49.7	43.0	14.2	5.3	46.7	40.4
	350	4.6	2.8	54.2	46.9	6.7	3.0	68.7	59.5	10.9	4.3	54.4	47.1	12.9	4.9	49.6	42.9	15.4	5.5	47.0	40.7
360°	150	4.2	2.2	60.1	52.0	6.2	2.5	68.7	59.5	8.6	3.0	66.2	57.3	9.9	3.8	47.5	41.1	11.0	5.2	28.1	24.4
	200	4.8	2.4	57.7	50.0	6.9	2.7	65.5	56.7	10.0	3.8	47.9	41.5	11.8	4.5	40.3	34.9	12.8	5.5	29.3	25.3
	250	5.5	2.6	56.3	48.8	7.9	2.9	65.0	56.3	11.1	3.6	59.3	51.3	12.9	4.6	42.2	36.5	14.2	5.5	32.5	28.1
	300	6.1	2.7	57.9	50.2	8.8	3.0	67.7	58.6	12.1	3.5	68.4	59.2	14.0	4.7	43.9	38.0	15.6	5.5	35.7	30.9
	350	6.7	2.7	63.6	55.1	9.5	3.0	73.1	63.3	12.9	3.7	65.2	56.5	15.0	4.9	43.2	37.4	17.0	5.5	38.9	33.7

▲ *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.