










TVAN Variable Arc Nozzles

Features

- Matched precipitation rates (MPR) within and between families.
- Fits all Toro LPS and 570Z sprinkler bodies.
- Indefinitely adjustable arc from 0° to 360°.
- Flow increases or decreases proportionately with radius adjustment.
- Colour coded for easy identification. 2.4m (8') green, 3.0m (10') blue, 3.7m (12') brown, 4.6m (15') black and 5.2m (17') grey.
- Exceptional uniform coverage.
- Adjustable screw allows up to 25% radius reduction.
- Unique grip-and-turn adjustment – wet or dry.
- Fine-mesh, snap-in green filter screens prevent clogging.

570 Variable Arc Nozzle Performance Data.

		8 Series 		10 Series 		12 Series 		15 Series 		17 Series 	
Pattern	Bar	Flow (LPM)	Radius (m)	Flow (LPM)	Radius (m)	Flow (LPM)	Radius (m)	Flow (LPM)	Radius (m)	Flow (LPM)	Radius (m)
	1.5	1.3	2.2	1.8	2.8	3.0	3.4	3.9	4.6	4.6	4.9
	2.0	1.4	2.4	1.9	3.0	3.1	3.6	4.2	4.6	5.1	5.2
	2.5	1.6	2.6	2.3	3.0	3.8	3.8	4.9	4.8	5.8	5.4
	3.0	1.8	2.7	2.6	3.0	4.5	4.1	5.6	4.9	6.5	5.5
	3.5	1.9	2.7	2.8	3.0	4.8	4.3	6.1	4.9	7.0	5.5
	1.5	2.1	2.2	3.2	2.5	5.2	3.4	6.5	4.1	7.4	4.4
	2.0	2.4	2.4	3.6	2.7	5.7	3.6	7.1	4.5	8.0	5.1
	2.5	2.6	2.4	3.9	2.9	6.4	4.0	8.0	4.6	9.4	5.2
	3.0	2.8	2.5	4.3	3.0	7.1	4.3	8.8	4.6	10.7	5.3
	3.5	2.9	2.8	4.7	3.0	7.7	4.3	9.4	4.6	11.6	5.5
	1.5	3.2	2.2	4.5	2.5	7.4	3.4	8.6	3.8	9.9	4.2
	2.0	3.5	2.4	4.9	2.7	8.1	3.6	9.9	4.5	10.8	5.1
	2.5	3.8	2.4	5.6	2.9	9.4	4.0	10.9	4.6	12.7	5.2
	3.0	4.2	2.5	6.2	3.0	10.4	4.2	11.9	4.7	14.2	5.3
	3.5	4.6	2.8	6.7	3.0	10.9	4.3	12.9	4.9	15.4	5.5
	1.5	4.2	2.2	6.2	2.5	8.6	3.4	9.9	3.8	11.0	5.2
	2.0	4.8	2.4	6.9	2.7	10.0	3.6	11.8	4.5	12.8	5.5
	2.5	5.5	2.6	7.9	2.9	11.1	4.0	12.9	4.6	14.2	5.5
	3.0	6.1	2.7	8.8	3.0	12.1	4.2	14.0	4.7	15.6	5.5
	3.5	6.7	2.7	9.5	3.0	12.9	4.3	15.0	4.9	17.0	5.5

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- Complete selection of arcs for all radius options - full, 3/4, 2/3, 1/2, 1/3 and 1/4.
- Fine-mesh, snap-in filter screens, prevent clogging of lower litre nozzles.
- Adjustment screw allows up to 25% radius reduction and complete shut off.

12 Series with 23° Trajectory



Pattern	Bar	kPa	Kg/cm ²	LPM	Radius (m)	
1/4	12-Q	1.5	150	1.53	1.58	3.4
		2.0	200	2.04	1.85	3.6
		2.5	250	2.55	2.13	3.8
		3.0	300	3.06	2.31	4.0
		3.5	350	3.57	2.39	4.0
12-Q-PC	2.07-2.76	207-276	2.11-2.82	1.82	3.7	
	2.76-5.18	276-518	2.82-5.28	2.01	3.7	
1/3	12-T	1.5	150	1.53	2.26	3.4
		2.0	200	2.04	2.67	3.6
		2.5	250	2.55	3.08	3.8
		3.0	300	3.06	3.43	3.9
		3.5	350	3.57	3.70	4.0
12-T-PC	2.07-2.76	207-276	2.11-2.82	2.42	3.7	
	2.76-5.18	276-518	2.82-5.28	2.65	3.7	
1/2	12-H	1.5	150	1.53	3.69	3.4
		2.0	200	2.04	4.07	3.6
		2.5	250	2.55	4.62	3.8
		3.0	300	3.06	5.25	4.1
		3.5	350	3.57	5.94	4.3
12-H-PC	2.07-2.76	207-276	2.11-2.82	3.63	3.7	
	2.76-5.18	276-518	2.82-5.28	4.0	3.7	
2/3	12-TT	1.5	150	1.53	4.46	3.4
		2.0	200	2.04	5.36	3.6
		2.5	255	2.55	5.91	3.8
		3.0	300	3.06	6.40	3.9
		3.5	350	3.57	6.86	4.0
12-TT-PC	2.07-2.76	207-276	2.11-2.82	4.85	3.7	
	2.76-5.18	276-518	2.82-5.28	5.3	3.7	
3/4	12-TQ	1.5	150	1.53	4.31	3.3
		2.0	200	2.04	5.68	3.6
		2.5	250	2.55	6.10	3.8
		3.0	300	3.06	6.44	3.9
		3.5	350	3.57	6.86	4.0
12-TQ-PC	2.07-2.76	207-276	2.11-2.82	5.45	3.7	
	2.76-5.18	276-518	2.82-5.28	6.06	3.7	
Full	12-F	1.5	150	1.53	6.67	3.4
		2.0	200	2.04	8.09	3.6
		2.5	250	2.55	8.67	3.8
		3.0	300	3.06	9.36	3.9
		3.5	350	3.57	10.32	4.0
12-F-PC	2.07-2.76	207-276	2.11-2.82	7.27	3.7	
	2.76-5.18	276-518	2.82-5.2	7.95	3.7	

15 Series with 27° Trajectory



Pattern	Bar	kPa	Kg/cm ²	LPM	Radius (m)	
1/4	15-Q	1.5	150	1.53	2.67	4.3
		2.0	200	2.04	3.15	4.5
		2.5	250	2.55	3.67	4.8
		3.0	300	3.06	4.19	4.9
		3.5	350	3.57	4.71	4.9
8-Q-PC	2.07-2.76	207-276	2.11-2.82	2.84	4.6	
	2.76-5.18	276-518	2.82-5.28	3.07	4.6	
1/3	15-T	1.5	150	1.53	3.70	4.2
		2.0	200	2.04	4.11	4.5
		2.5	250	2.55	4.64	4.7
		3.0	300	3.06	5.12	4.7
		3.5	350	3.57	5.53	4.7
8-T-PC	2.07-2.76	207-276	2.11-2.82	3.79	4.6	
	2.76-5.18	276-518	2.82-5.28	4.16	4.6	
1/2	15-H	1.5	150	1.53	5.37	4.1
		2.0	200	2.04	6.14	4.5
		2.5	250	2.55	7.12	4.8
		3.0	300	3.06	7.81	4.9
		3.5	350	3.57	8.13	4.9
8-H-PC	2.07-2.76	207-276	2.11-2.82	5.68	4.6	
	2.76-5.18	276-518	2.82-5.28	6.25	4.6	
2/3	15-TT	1.5	150	1.53	7.02	4.3
		2.0	200	2.04	8.17	4.5
		2.5	250	2.55	9.42	4.8
		3.0	300	3.06	10.31	4.9
		3.5	350	3.57	0.8	4.9
8-TT-PC	2.07-2.76	207-276	2.11-2.82	7.57	4.6	
	2.76-5.18	276-518	2.82-5.28	8.33	4.6	
3/4	15-TQ	1.5	150	1.53	8.28	4.1
		2.0	200	2.04	9.65	4.5
		2.5	250	2.55	10.79	4.7
		3.0	300	3.06	11.89	4.8
		3.5	350	3.57	12.98	4.9
8-TQ-PC	2.07-2.76	207-276	2.11-2.82	8.71	4.6	
	2.76-5.18	276-518	2.82-5.28	9.47	4.6	
Full	15-F	1.5	150	1.53	11.29	4.1
		2.0	200	2.04	13.34	4.5
		2.5	250	2.55	15.05	4.8
		3.0	300	3.06	16.40	4.9
		3.5	350	3.57	17.45	4.9
8-F-PC	2.07-2.76	207-276	2.11-2.82	11.36	4.6	
	2.76-5.18	276-518	2.82-5.28	12.49	4.6	

Special Patterns



Pattern	Bar	kPa	Kg/cm ²	LPM	SPECIAL PATTERNS W x L(m)
4-EST	1.5	150	1.53	1.48	1.0 x 3.8
	2.0	200	2.04	1.68	1.2 x 4.5
	2.5	250	2.55	1.89	1.4 x 5.1
	3.0	300	3.06	2.10	1.6 x 5.7
	3.5	350	3.57	2.29	1.9 x 6.1
4-EST-PC	2.07-2.76	207-276	2.11-2.82	1.63	1.2 x 4.4
	2.76-5.18	276-518	2.82-5.28	1.89	1.2 x 4.4
4-CST	1.5	150	1.53	2.94	1.0 x 7.6
	2.0	200	2.04	3.35	1.2 x 9.0
	2.5	250	2.55	3.74	1.2 x 9.1
	3.0	300	3.06	4.10	1.2 x 9.3
	3.5	350	3.57	4.43	1.2 x 9.5
4-CST-PC	2.07-2.76	207-276	2.11-2.82	3.26	1.2 x 9.1
	2.76-5.18	276-518	2.82-5.28	3.79	1.2 x 9.1
9-SST	1.5	150	1.53	3.92	2.7 x 5.5
	2.0	200	2.04	4.47	2.7 x 5.5
	2.5	250	2.55	4.97	2.7 x 5.9
	3.0	300	3.06	5.45	2.8 x 6.3
	3.5	350	3.57	5.92	3.1 x 6.8
9-SST-PC	2.07-2.76	207-276	2.11-2.82	2.50	2.7 x 5.5
	2.76-5.18	276-518	2.82-5.28	2.84	2.7 x 5.5
4-SST	1.5	150	1.53	2.63	1.2 x 7.6
	2.0	200	2.04	3.31	1.2 x 9.0
	2.5	250	2.55	3.74	1.2 x 9.5
	3.0	300	3.06	4.10	1.3 x 9.9
	3.5	350	3.57	4.43	1.5 x 10.1
4-SST-PC	2.07-2.76	207-276	2.11-2.82	3.33	1.2 x 9.1
	2.76-5.18	276-518	2.82-5.28	3.79	1.2 x 9.1
2-SST	1.5	150	1.53	0.31	0.6 x 1.6
	2.0	200	2.04	0.34	0.6 x 1.8
	2.5	250	2.55	0.36	0.6 x 2.0
	3.0	300	3.06	0.41	0.7 x 2.1
	3.5	350	3.57	0.46	0.9 x 2.1
2-SST-PC	2.07-2.76	207-276	2.11-2.82	0.34	0.6 x 1.8
	2.76-5.18	276-518	2.82-5.28	0.38	0.6 x 1.8
4S-SST	1.5	150	1.53	1.80	1.2 x 5.2
	2.0	200	2.04	2.05	1.2 x 5.5
	2.5	250	2.55	2.27	1.2 x 5.7
	3.0	300	3.06	2.49	1.3 x 5.8
	3.5	350	3.57	2.71	1.5 x 5.8
4S-SST-PC	2.07-2.76	207-276	2.11-2.82	1.89	1.2 x 5.5
	2.76-5.18	276-518	2.82-5.28	2.23	1.2 x 5.5

Note: Nozzles with PCD's shown in shaded areas. All performance specifications are based on the stated working pressure available at the base of the sprinkler.



41 Floyd Street, Trigg, Western Australia 6029

OFFICE 1300 734 300 FAX (08) 9467 6291

EMAIL: freewater@virginbores.com.au WEB: www.virginbores.com.au