570 MPR Series – Fixed Arc Nozzles

Toro 570 MPR Plus Spray Nozzles

True matched precipitation rates and colour coding by radius are just a few of the performance features of 570 MPR Plus spray nozzles. Fits any 570 pop-up body, shrub adaptor, riser extender or shrub riser.

Key Features

- Matched precipitation rates ensure all nozzles (every radius and pattern) apply water at the same rate
- Low-flow rates allow for more sprinklers to be placed on the same zone
- PCDs eliminate fogging, conserve water and provide precise flow rates; available pre-installed or separate
- Colour coding by radius for easy identification
- Complete selection of arcs for all radius options – full, 3/4, 2/3, 1/2, 1/3 and 1/4

Additional Features

- Uniform watering patterns eliminate over and under throw; refined design of part-circle patterns for better arc
- Precise radius/flow adjustment, will not lose adjustment
- 1.5m nozzles adjust to 1m
- Standard and special spray patterns for small areas
- Full set of arcs for 3, 2.4 and 1.5m (10', 8' and 5') radius nozzles
- 1.25m x 5.5m side strip ideal for parking lot medians
- 0.6m x 1.8m for small planter beds and other narrow areas
- 5 levels of trajectory
- Convenient nozzle packaging – nozzles and screens packed separately in attached bags
- Fine-mesh filter screens prevent clogging of lower volume nozzles
- Adjustment screw allows up to 25% reduction in radius and complete shutoff

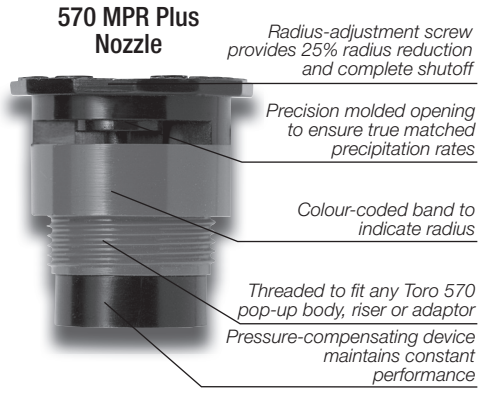
Specifications

- Flow rate: 0.2-17 Lpm
- Operating pressure for optimum nozzle performance: 200 kPa
- Recommended operating pressure range: 140-350 kPa
- Maximum operating pressure: 520 kPa

Nozzle Series	Apex at 200 kPa Maximum Height of Spray				
	27°	23°	12°	5°	0°
4.6m (15')	1.4m				
3.7m (12')		1.1m			
3m (10')			0.7m		
2.4m (8')				0.66m	
1.5m (5')					0.46m

570 Series Nozzle screens*		
White	Red	Red and Metal
4.6m (15') Series	2.4m (8') Series	1.5m (5') Series
3.7m (12') Series	1.2m x 9.1m (4'x30') SST	0.6m x1.8m (2'x6') SST
3m (10') Series	1.2m x 5.5m (4'x18') SST	10˚ Stream Spray Series
1.2m x 9.1m (4'x30') CST Stream Bubblers		35˚ Stream Spray Series Flood Bubbler Series
Flat-Spray (Non-MPR)		Flat-Spray, Low Volume (Non-MPR)
1.2m x 9.1m (4'x30') EST		
2.7m x 5.5m (9'x18') SST		

** Indicates screen provided with nozzle. Refer to current Parts Breakout Book for more information.*



Ordering Information

Please refer to Toro Australia Irrigation Division Price List

570 MPR Series – Fixed Arc Nozzles


5 Series
Red


8 Series
Green


10 Series
Blue


12 Series
Brown


15 Series
Black


Special Patterns
Orange

Performance Data – 570 MPR Series

	Pressure	5 Series with 0° Trajectory Red				8 Series with 5° Trajectory Green				10 Series with 12° Trajectory Blue				12 Series with 23° Trajectory Brown				15 Series with 27° Trajectory Black			
Nozzle	kPa	Flow (Lpm)	Radius (m)	Prec. Rate* △ mm/hr	□	Flow (Lpm)	Radius (m)	Prec. Rate* △ mm/hr	□	Flow (Lpm)	Radius (m)	Prec. Rate* △ mm/hr	□	Flow (Lpm)	Radius (m)	Prec. Rate* △ mm/hr	□	Flow (Lpm)	Radius (m)	Prec. Rate* △ mm/hr	□
90°	150	0.22	1.3	36.0	31.2	0.69	2.2	39.5	34.2	1.20	2.8	42.4	36.7	1.58	3.4	37.9	32.8	2.69	4.3	40.3	34.9
	200	0.33	1.5	40.6	35.2	0.88	2.4	42.4	36.7	1.48	3.0	45.5	39.4	1.85	3.6	39.6	34.3	3.15	4.5	43.1	37.3
	250	0.41	1.6	44.3	38.4	0.96	2.5	42.6	36.9	1.75	3.2	47.3	41.0	2.13	3.8	40.9	35.4	3.67	4.8	44.1	38.2
	300	0.49	1.7	47.0	40.7	1.02	2.6	41.8	36.2	2.03	3.5	46.0	39.8	2.31	4.0	40.1	34.7	4.19	4.9	48.4	41.9
	350	0.58	1.8	49.7	43.0	1.11	2.8	39.3	34.0	2.30	3.7	46.5	40.3	2.39	4.0	41.5	35.9	4.71	4.9	54.4	47.1
PC	207-276	0.34	1.5	41.9	36.3	0.83	2.4	40.0	34.6	1.25	3.0	38.5	33.3	1.82	3.7	36.8	31.9	2.84	4.6	37.2	32.2
	276-518	0.38	1.5	46.8	40.5	0.95	2.4	45.7	39.6	1.40	3.0	43.1	37.3	2.01	3.7	40.6	35.2	3.07	4.6	40.2	34.8
120°	150	0.30	1.3	37.0	32.0	0.92	2.2	39.5	34.2	1.66	2.8	44.0	38.1	2.26	3.4	29.1	25.2	3.70	4.2	43.5	37.7
	200	0.44	1.5	40.6	35.2	1.11	2.4	40.1	34.7	1.93	3.0	44.6	38.6	2.67	3.6	42.8	37.1	4.11	4.5	42.1	36.5
	250	0.55	1.6	44.7	38.7	1.28	2.5	42.6	36.9	2.28	3.2	46.3	40.1	3.08	3.8	44.3	38.4	4.64	4.7	43.6	37.8
	300	0.66	1.7	47.5	41.1	1.42	2.6	43.6	37.8	2.59	3.5	44.0	38.1	3.43	3.9	46.9	40.6	5.12	4.7	48.2	41.7
	350	0.77	1.8	49.4	42.8	1.53	2.8	40.5	35.1	2.87	3.7	43.5	37.7	3.70	4.0	48.0	41.6	5.53	4.7	52.1	45.1
PC	207-276	0.45	1.5	41.6	36.0	1.10	2.4	39.7	34.4	1.67	3.0	38.6	33.4	2.42	3.7	36.7	31.8	3.79	4.6	37.2	32.2
	276-518	0.49	1.5	45.3	39.2	1.33	2.4	48.0	41.6	1.89	3.0	43.6	37.8	2.65	3.7	40.2	34.8	4.16	4.6	40.9	35.4
180°	150	0.44	1.3	36.0	31.2	1.49	2.3	39.0	33.8	2.34	2.8	41.3	35.8	3.69	3.4	44.2	38.3	5.37	4.1	44.2	38.3
	200	0.69	1.5	42.5	36.8	1.84	2.4	44.2	38.3	2.65	3.0	40.8	35.3	4.07	3.6	43.5	37.7	6.14	4.5	42.0	36.4
	250	0.81	1.6	43.9	38.0	2.08	2.5	46.1	39.9	3.02	3.2	40.9	35.4	4.62	3.8	44.3	38.4	7.12	4.8	42.8	37.1
	300	0.92	1.7	44.1	38.2	2.29	2.6	47.0	40.7	3.40	3.4	40.8	35.3	5.25	4.1	43.3	37.5	7.81	4.9	45.0	39.0
	350	1.03	1.8	44.0	38.1	2.48	2.8	43.9	38.0	3.79	3.5	42.8	37.1	5.94	4.3	44.6	38.6	8.13	4.9	46.9	40.6
PC	207-276	0.68	1.5	41.8	36.2	1.67	2.4	40.2	34.8	2.50	3.0	38.5	33.3	3.63	3.7	36.7	31.8	5.68	4.6	37.2	32.2
	276-518	0.76	1.5	46.8	40.5	1.89	2.4	45.5	39.4	2.84	3.0	43.8	37.9	4.00	3.7	40.5	35.1	6.25	4.6	40.9	35.4
240°	150	0.63	1.3	38.8	33.6	2.21	2.2	47.5	41.1	2.86	2.8	37.9	32.8	4.46	3.4	40.1	34.7	7.02	4.3	39.5	34.2
	200	0.91	1.5	42.0	36.4	2.60	2.4	46.9	40.6	3.57	3.0	41.2	35.7	5.36	3.6	43.0	37.2	8.17	4.5	41.9	36.3
	250	1.06	1.6	43.1	37.3	2.89	2.5	48.0	41.6	3.98	3.1	43.1	37.3	5.91	3.8	42.5	36.8	9.42	4.8	42.5	36.8
	300	1.20	1.7	43.2	37.4	3.13	2.6	48.2	41.7	4.28	3.3	40.9	35.4	6.40	3.9	43.8	37.9	10.31	4.9	44.6	38.6
	350	1.34	1.8	43.0	37.2	3.35	2.8	44.5	38.5	4.53	3.4	40.8	35.3	6.86	4.0	44.6	38.6	10.80	4.9	46.8	40.5
PC	207-276	0.87	1.5	40.2	34.8	2.23	2.4	40.3	34.9	3.40	3.0	39.3	34.0	4.85	3.7	36.8	31.9	7.57	4.6	37.2	32.2
	276-518	1.02	1.5	47.1	40.8	2.65	2.4	47.8	41.4	3.79	3.0	43.8	37.9	5.30	3.7	40.2	34.8	8.33	4.6	40.9	35.4
270°	150	0.82	1.3	42.0	36.4	2.47	2.2	44.2	38.3	3.25	2.8	35.9	31.1	4.31	3.3	34.3	29.7	8.28	4.1	42.6	36.9
	200	1.06	1.5	40.8	35.3	2.83	2.4	42.5	36.8	3.85	3.0	37.1	32.1	5.68	3.6	38.0	32.9	9.65	4.5	41.2	35.7
	250	1.22	1.6	41.2	35.7	3.11	2.5	43.1	37.3	4.32	3.1	38.9	33.7	6.10	3.8	36.6	31.7	10.79	4.7	42.3	36.6
	300	1.37	1.7	41.1	35.6	3.35	2.6	42.8	37.1	4.74	3.3	37.6	32.6	6.44	3.9	36.6	31.7	11.89	4.8	44.7	38.7
	350	1.63	1.8	43.5	37.7	3.54	2.8	39.1	33.9	5.15	3.4	38.6	33.4	6.86	4.0	37.2	32.2	12.98	4.9	46.8	40.5
PC	207-276	0.98	1.5	37.8	32.7	2.42	2.4	36.4	31.5	3.75	3.0	47.7	41.3	5.45	3.7	34.5	29.9	8.71	4.6	35.7	30.9
	276-518	1.10	1.5	42.4	36.7	2.65	2.4	39.8	34.5	4.13	3.0	39.7	34.4	6.06	3.7	38.3	33.2	9.47	4.6	38.8	33.6
360°	150	1.03	1.3	42.3	36.6	2.97	2.2	42.5	36.8	4.45	2.7	42.3	36.6	6.67	3.4	40.0	34.6	11.29	4.1	46.5	40.3
	200	1.39	1.5	42.8	37.1	3.69	2.4	44.3	38.4	5.50	3.0	42.4	36.7	8.09	3.6	43.3	37.5	13.34	4.5	45.6	39.5
	250	1.60	1.6	43.3	37.5	4.16	2.5	46.1	39.9	5.92	3.1	42.7	37.0	8.67	3.8	41.6	36.0	15.05	4.8	45.3	39.2
	300	1.81	1.7	43.4	37.6	4.58	2.6	47.0	40.7	6.41	3.3	40.8	35.3	9.36	3.9	42.6	36.9	16.40	4.9	47.3	41.0
	350	2.03	1.8	43.4	37.6	4.96	2.8	43.9	38.0	7.07	3.4	42.4	36.7	10.32	4.0	44.7	38.7	17.45	4.9	50.3	43.6
PC	207-276	1.33	1.5	41.0	35.5	3.22	2.4	38.7	33.5	5.04	3.0	38.8	33.6	7.27	3.7	36.8	31.9	11.36	4.6	37.2	32.2
	276-518	1.48	1.5	45.6	39.5	3.79	2.4	45.6	39.5	5.72	3.0	44.0	38.1	7.95	3.7	40.2	34.8	12.49	4.6	40.9	35.4

Performance Data – 570 MPR Series

Special Patterns Orange					
Nozzle	Pressure (kPa)	Flow (Lpm)	Special Patterns (W x L) (m x m)	Prec. Rate* △ mm/hr	□
	150	1.48	1.0 x 3.8	26.9	23.3
	200	1.68	1.2 x 4.5	21.5	18.6
	250	1.89	1.4 x 5.1	18.3	15.9
	300	2.10	1.6 x 5.7	15.9	13.8
	350	2.29	1.9 x 6.1	13.7	11.8
PC	207-276	1.63	1.2 x 4.4	21.4	18.5
	276-518	1.89	1.2 x 4.4	24.8	21.4
	150	2.94	1.0 x 7.6	26.8	23.2
	200	3.35	1.2 x 9.0	21.5	18.6
	250	3.74	1.2 x 9.1	23.7	20.5
	300	4.10	1.2 x 9.3	25.4	22.0
	350	4.43	1.2 x 9.5	26.9	23.3
PC	207-276	3.26	1.2 x 9.1	20.6	17.9
	276-518	3.79	1.2 x 9.1	24.0	20.8

Special Patterns Orange					
Nozzle	Pressure (kPa)	Flow (Lpm)	Special Patterns (W x L) (m x m)	Prec. Rate* △ mm/hr	□
	150	3.92	2.7 x 5.5	18.3	15.8
	200	4.47	2.7 x 5.5	20.8	18.0
	250	4.97	2.7 x 5.9	21.6	18.7
	300	5.45	2.8 x 6.3	21.4	18.5
	350	5.92	3.1 x 6.8	19.4	16.8
PC	207-276	4.16	2.7 x 5.5	19.4	16.8
	276-518	4.54	2.7 x 5.5	21.1	18.3
	150	2.63	1.2 x 7.6	19.9	17.3
	200	3.31	1.2 x 9.0	21.2	18.4
	250	3.74	1.2 x 9.5	22.7	19.7
	300	4.10	1.3 x 9.9	22.0	19.1
	350	4.43	1.5 x 10.1	20.2	17.5
PC	207-276	3.33	1.2 x 9.1	21.1	18.3
	276-518	3.79	1.2 x 9.1	24.0	20.8

Special Patterns Orange					
Nozzle	Pressure (kPa)	Flow (Lpm)	Special Patterns (W x L) (m x m)	Prec. Rate* △ mm/hr	□
	150	0.31	0.6 x 1.6	22.3	19.3
	200	0.34	0.6 x 1.8	21.8	18.9
	250	0.36	0.6 x 2.0	20.8	18.0
	300	0.41	0.7 x 2.1	19.3	16.7
	350	0.46	0.9 x 2.1	16.8	14.6
PC	207-276	0.34	0.6 x 1.8	21.8	18.9
	276-518	0.38	0.6 x 1.8	24.3	21.1
	150	1.80	1.2 x 5.2	20.0	17.3
	200	2.05	1.2 x 5.5	21.5	18.6
	250	2.27	1.2 x 5.7	23.0	19.9
	300	2.49	1.3 x 5.8	22.8	19.8
	350	2.71	1.5 x 5.8	21.5	18.7
PC	207-276	1.89	1.2 x 5.5	19.8	17.2
	276-518	2.23	1.2 x 5.5	23.4	20.2

Precipitation rates are for triangular spacing, shown in millmetres per hour, calculated at 50% of diameter.
Precipitation rates are for square spacing, shown shown in millmetres per hour, calculated at 50% of diameter.
All performance specifications are based on the stated working pressure available at the base of the sprinkler.

See Technical Section for precipitation rate calculations.