



Count on it.

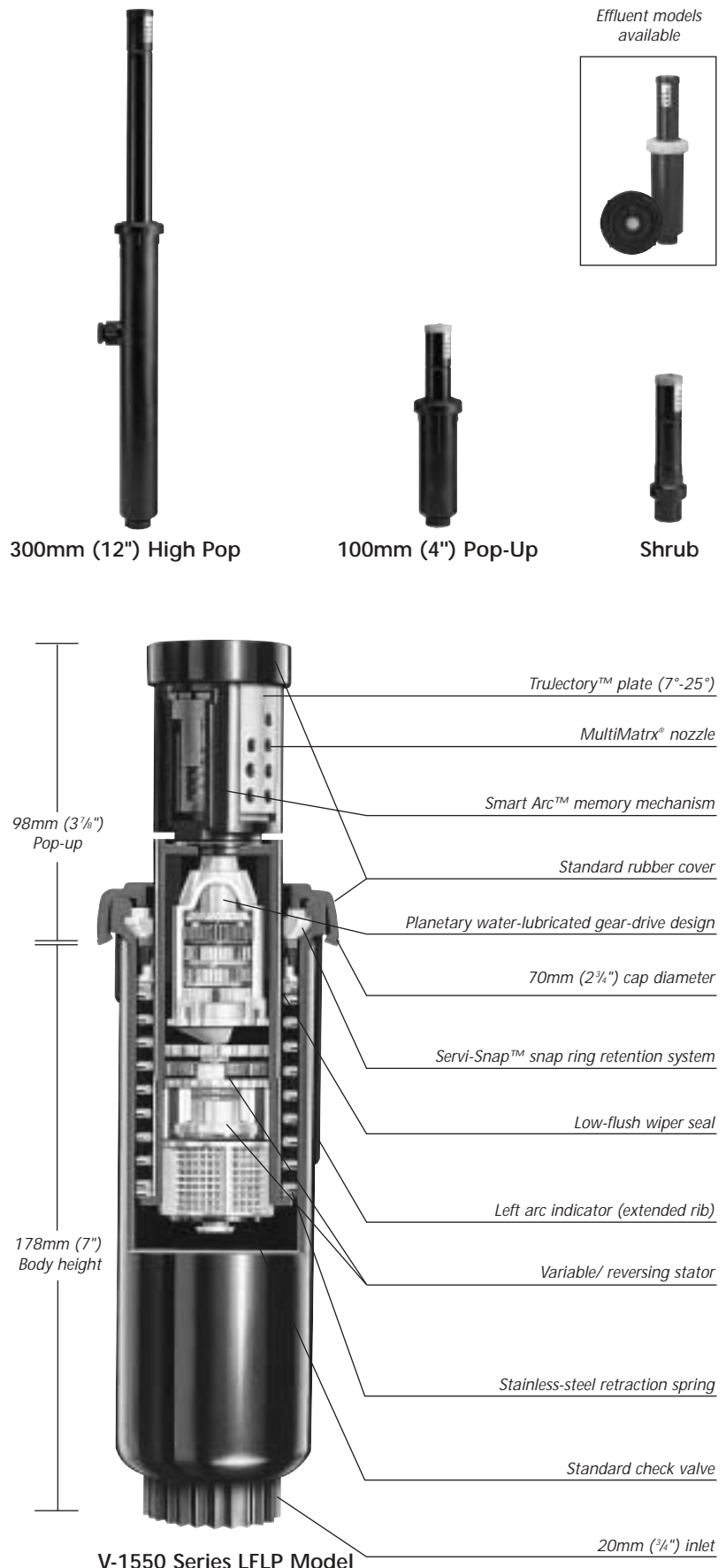
# V-1550 MultiMatrx<sup>®</sup> Series Sprinklers

## SPRINKLERS

5.8-16.8m (19'-55') Radius

### Features

- Adjustable-flow nozzle, 3.2-44 LPM (0.85-11.62 GPM)
- Full-circle and adjustable part-circle (40°-360°) models available
- All adjustments made from the top – wet or dry
- Trujectory™ adjustment from 7° to 25° for fine-tuning nozzle spray trajectory
- Smart Arc™ memory maintains previously set arc and minimizes vandalism
- Balanced precipitation rates
- Standard rubber cover (except shrub models)
- Servi-Snap™ snap-ring design for easy servicing
- Proven planetary water lubricated gear-drive design
- Standard model has over molded wiper seal for greater debris resistance
- Low-pressure, low flow models available for enhanced low-pressure nozzle and operating performance
- Check valve prevents low-head drainage and keeps laterals charged with water (standard on lawn pop-up models and optional on shrub models)



V-1550 Series LFLP Model

# V-1550 Series Sprinklers



9 Nozzles  
in One

**V-1550 MultiMatrix MPR Combinations**  
The following sets of nozzles may be used in combination to deliver a balanced precipitation rate.

#1	#2	#3	#4
#1.5	#3	#4.5	#6
#2	#4	#6	#8
#3	#6	#9	
#4	#8	#4	#8
#4.5	#9	#4.5	#9

*Note: Combinations assume that all nozzles are operating at the same pressure. In addition, sprinklers can run off the same line if adequate flow exists.*

Nozzle	BAR	LPM	7° Radius	25° Radius
1.0	2,75	3,9	4,9	8,8
1.5	3,5	5,5	4,9	9,3
2.0	3,5	8,3	5,3	9,6
3.0	3,5	9,7	5,5	9,8
3.0	4,0	11,4	5,7	10,2
4.0	3,5	13,3	5,5	10,1
4.0	4,0	15,1	5,7	10,5
4.5	3,5	15,5	5,5	10,7
4.5	4,0	16,9	5,7	11,2
6.0	4,0	21,3	5,9	11,8
6.0	4,5	23,3	6,1	12,2
8.0	4,0	26,6	6,0	12,5
8.0	4,8	30,7	6,4	13,1
9.0	4,0	29,3	6,0	12,5
9.0	4,8	36,6	6,4	13,7

\*Shown in meters.

Nozzle	PSI	GPM	7° Radius	25° Radius
1.0	40	1.02	16	29
1.5	50	1.44	16	30
2.0	50	2.15	17	31
3.0	50	2.52	18	32
3.0	60	3.13	19	34
4.0	50	3.47	18	33
4.0	60	4.13	19	35
4.5	50	4.05	18	35
4.5	60	4.56	19	37
6.0	55	5.41	19	38
6.0	65	6.13	20	40
8.0	60	7.18	20	42
8.0	70	8.16	21	38
9.0	60	7.90	20	42
9.0	70	9.76	21	45

\*Shown in feet.

Nozzle Sets	∠25°		∠7°	
	Maximum Height of Spray*	Distance from Head*	Maximum Height of Spray*	Distance from Head*
1.0	2,3	4,6	0,4	2,7
1.5	2,3	3,6	0,4	2,7
2.0	2,5	5,8	0,4	3,0
3.0	2,8	6,7	0,4	3,0
4.0	2,9	6,7	0,5	3,7
4.5	3,2	8,2	0,5	4,0
6.0	3,4	8,5	0,6	4,3
8.0	3,5	9,1	0,6	4,6
9.0	3,7	9,4	0,6	4,6

\*Shown in meters.

Nozzle Sets	∠25°		∠7°	
	Maximum Height of Spray*	Distance from Head*	Maximum Height of Spray*	Distance from Head*
1.0	7'8"	15'	1'5"	9'
1.5	7'8"	15'	1'5"	9'
2.0	8'4"	19'	1'5"	10'
3.0	9'4"	22'	1'5"	10'
4.0	9'6"	22'	1'7"	12'
4.5	10'6"	27'	1'8"	13'
6.0	11'	28'	1'10"	14'
8.0	11'6"	30'	2'	15'
9.0	12'	31'	2'	15'

\*Shown in feet.

**V-1550 MultiMatrix Low Pressure Nozzle Performance Data @ 25° Trajectory – Metric** ∠25°

Base Pressure		Nozzle Sets																											
		Recommended For Most Applications																											
		4			6			8			11			15			17			23			30			34			
Bar	kPa	Kg/cm <sup>2</sup>	Rad	LPM	m <sup>3</sup> /hr	Rad	LPM	m <sup>3</sup> /hr	Rad	LPM	m <sup>3</sup> /hr	Rad	LPM	m <sup>3</sup> /hr	Rad	LPM	m <sup>3</sup> /hr	Rad	LPM	m <sup>3</sup> /hr	Rad	LPM	m <sup>3</sup> /hr	Rad	LPM	m <sup>3</sup> /hr			
2.0	200	2.04	9.1	4.0	0.24	9.4	4.8	0.29	9.8	7.7	0.46	10.0	9.5	0.57	10.0	12.4	0.74	10.0	13.7	0.82	10.3	19.1	1.15	10.3	21.8	1.31	10.4	24.7	1.48
2.5	250	2.55	9.2	4.4	0.26	9.8	5.3	0.32	10.7	8.5	0.51	11.0	10.8	0.65	11.0	14.3	0.86	11.4	15.7	0.94	12.3	21.9	1.31	12.3	26.9	1.61	12.3	28.6	1.72
3.0	300	3.06	9.5	4.8	0.29	10.1	5.8	0.35	11.1	9.3	0.56	11.4	11.9	0.72	11.9	15.9	0.95	12.2	17.8	1.07	13.4	24.7	1.48	13.6	29.1	1.75	13.6	32.4	1.95
3.5	350	3.57	9.5	5.1	0.30	10.1	6.3	0.38	11.3	10.0	0.60	11.6	13.0	0.78	12.5	17.2	1.03	12.8	19.4	1.16	14.3	26.1	1.56	14.6	31.8	1.91	14.6	35.5	2.13
4.0	400	4.08	9.3	5.3	0.3	10.1	6.8	0.4	11.6	10.5	0.63	11.9	13.9	0.83	12.6	18.4	1.11	13.2	20.8	1.25	15.1	27.7	1.66	15.4	34.2	2.05	15.5	38.1	2.29
4.5	450	4.59	9.2	5.5	0.3	10.1	7.2	0.4	11.6	10.7	0.64	11.9	14.6	0.87	12.8	19.5	1.17	13.7	21.9	1.32	15.5	29.3	1.76	15.8	36.3	2.18	16.1	40.7	2.44
5.0	500	5.10	9.2	5.7	0.3	9.8	7.5	0.4	11.5	11.0	0.7	11.8	15.3	0.9	12.8	20.2	1.2	14.0	23.0	1.4	15.9	30.6	1.84	16.5	38.2	2.29	16.5	42.7	2.56

= Nozzles not recommended at this pressure

= Optimum nozzle performance.

All performance specifications are based on the stated working pressure available at the base of the sprinkler head.  
Radius shown in meters.

**V-1550 MultiMatrix Low Pressure Nozzle Performance Data @ 25° Trajectory – English** ∠25°

Base Pressure		Nozzle Sets																	
		Recommended For Most Applications																	
		1		1.5		2		3		4		4.5		6		8		9	
PSI		Rad	GPM	Rad	GPM	Rad	GPM	Rad	GPM	Rad	GPM	Rad	GPM	Rad	GPM	Rad	GPM	Rad	GPM
25		29	.85	25	1.05	27	1.44	26	1.85	26	2.73	27	3.23	28	4.00	28	5.02	29	5.57
30		30	.94	27	1.15	29	1.65	28	2.09	30	3.09	30	3.68	31	4.56	31	5.63	33	6.25
35		31	1.02	29	1.25	32	1.82	32	2.34	33	3.47	34	4.09	35	5.05	35	6.28	37	6.96
40		31	1.08	30	1.33	33	1.96	33	2.54	34	3.72	36	4.42	37	5.51	38	6.84	39	7.58
45		31	1.12	31	1.42	34	2.08	34	2.73	35	4.06	39	4.71	39	5.90	42	7.36	42	8.16
50		31	1.17	31	1.49	34	2.15	34	2.89	36	4.31	39	4.98	41	6.27	43	7.85	44	8.75
55		31	1.21	31	1.55	35	2.29	35	3.04	38	4.52	40	5.23	42	6.61	45	8.26	46	9.23
60		32	1.24	30	1.60	35	2.39	35	3.15	38	4.69	40	5.41	43	6.87	45	8.61	47	9.67
65		32	1.28	30	1.66	36	2.48	36	3.30	39	4.88	41	5.62	44	7.14	45	8.99	49	10.09
70		31	1.31	30	1.70	36	2.57	36	3.42	39	5.05	41	5.84	44	7.43	46	9.29	49	10.42
75		30	1.34	30	1.75	37	2.64	37	3.55	39	5.21	42	6.00	44	7.68	47	9.61	50	10.89

= Nozzles not recommended at this pressure

= Optimum nozzle performance.

All performance specifications are based on the stated working pressure available at the base of the sprinkler head.  
Radius shown in feet.

**V-1550 MultiMatrix Standard Nozzle Performance Data @ 25° Trajectory – Metric** ∠25°

Base Pressure		Nozzle Sets																											
		Recommended For Most Applications																											
		4			6			8			11			15			17			23			30			34			
Bar	kPa	Kg/cm <sup>2</sup>	Rad	LPM	m <sup>3</sup> /hr	Rad	LPM	m <sup>3</sup> /hr	Rad	LPM	m <sup>3</sup> /hr	Rad	LPM	m <sup>3</sup> /hr	Rad	LPM	m <sup>3</sup> /hr	Rad	LPM	m <sup>3</sup> /hr	Rad	LPM	m <sup>3</sup> /hr	Rad	LPM	m <sup>3</sup> /hr			
2.0	200	2.04	9.1	3.5	0.21	8.0	4.2	0.25	8.7	6.0	0.36	8.3	7.6	0.46	8.8	11.3	0.68	8.9	13.4	0.80	9.2	16.6	1.00	9.2	20.6	1.24	9.7	22.9	1.37
2.5	250	2.55	9.5	3.9	0.23	8.9	4.8	0.29	9.8	6.9	0.42	9.8	8.9	0.54	10.1	13.2	0.79	10.4	15.6	0.94	10.7	19.3	1.16	10.8	24.0	1.44	11.4	26.6	1.60
3.0	300	3.06	9.5	4.2	0.25	9.3	5.2	0.31	10.2	7.7	0.46	10.2	10.0	0.60	10.5	14.8	0.89	11.5	17.3	1.04	11.6	21.6	1.30	12.2	26.9	1.62	12.4	29.9	1.79
3.5	350	3.57	9.5	4.4	0.27	9.5	5.6	0.34	10.4	8.1	0.49	10.4	10.9	0.65	11.0	16.3	0.98	11.9	18.8	1.13	12.5	23.7	1.42	13.1	29.6	1.78	13.4	33.0	1.98
4.0	400	4.08	9.6	4.6	0.28	9.3	5.9	0.36	10.7	8.8	0.53	10.7	11.7	0.70	11.6	17.4	1.04	12.2	20.1	1.20	12.9	25.4	1.52	13.7	31.8	1.91	14.1	35.6	2.13
4.5	450	4.59	9.8	4.8	0.29	9.2	6.2	0.37	10.9	9.3	0.56	10.9	12.4	0.74	11.8	18.3	1.10	12.4	21.1	1.27	13.4	26.8	1.61	13.7	33.7	2.02	14.8	37.9	2.27
5.0	500	5.10	9.4	5.0	0.30	9.2	6.5	0.39	11.0	9.8	0.59	11.0	13.1	0.78	11.9	19.2	1.16	12.6	22.2	1.33	13.4	28.3	1.70	14.1	35.4	2.13	15.0	39.8	2.39

= Nozzles not recommended at this pressure

= Optimum nozzle performance.

All performance specifications are based on the stated working pressure available at the base of the sprinkler head.  
Radius shown in meters.

**V-1550 MultiMatrix Standard Nozzle Performance Data @ 25° Trajectory – English** ∠25°

Base Pressure		Nozzle Sets																	
		Recommended For Most Applications																	
		1		1.5		2		3		4		4.5		6		8		9	
PSI		Rad	GPM	Rad	GPM	Rad	GPM	Rad	GPM	Rad	GPM	Rad	GPM	Rad	GPM	Rad	GPM	Rad	GPM
25		29	.98	30	1.19	30	1.97	30	2.33	30	3.02	30	3.28	31	4.50	31	5.28	30	5.94
30		30	1.09	31	1.29	33	2.08	34	2.60	34	3.38	34	3.77	35	5.29	35	5.99	36	6.80
35		30	1.16	32	1.40	35	2.23	36	2.82	36	3.74	37	4.11	40	5.70	40	7.07	40	7.49
40		31	1.22	33	1.49	36	2.37	37	3.06	38	4.05	39	4.54	43	6.44	43	7.40	43	8.13
45		31	1.29	33	1.58	37	2.51	38	3.24	40	4.31	41	4.85	45	6.61	46	7.96	46	8.95
50		31	1.34	33	1.67	37	2.65	38	3.44	41	4.56	42	5.14	47	6.90	48	8.41	48	9.40
55		31	1.38	33	1.76	38	2.76	39	3.64	41	4.80	43	5.41	49	7.21	50	8.90	50	9.89
60		30	1.40	33	1.85	38	2.80	39	3.72	42	4.99	44	5.63	50	7.48	51	9.28	52	10.34
65		30	1.46	33	1.91	38	2.83	39	3.88	42	5.18	45	5.84	51	7.80	52	9.67	53	10.86
70		30	1.49	32	1.97	38	2.89	39	4.02	42	5.31	46	6.04	52	8.04	54	10.00	54	11.17
75		30	1.52	32	2.02	37	2.95	37	4.07	42	5.47	46	6.18	53	8.24	55	10.36	55	11.62

= Nozzles not recommended at this pressure

= Optimum nozzle performance.

All performance specifications are based on the stated working pressure available at the base of the sprinkler head.  
Radius shown in feet.

# V-1550 Series Sprinklers

## Specifications

- Radius: 5.8-16.8m (19'-55')
- Flow rate: 3.2-44 LPM (0.85-11.62 GPM)
- Trajectory: 7°-25°
- Operating pressure range: 1.7-5.2 Bar (25-75 PSI)
- Optimum nozzle performance: 3.5 Bar (50 PSI)
- 20mm (3/4") female-threaded inlet (pop-up models)
- 20mm (3/4") and 13mm (1/2") female-threaded inlet (shrub models)
- Check-O-Matic maintains up to 3m (10') elevation change and 2.4m (8') on shrub models
- Dimensions:  
Pop-up to center of nozzle plate:  
Lawn-Pop=67mm (2<sup>5</sup>/<sub>8</sub>")  
High-Pop=260mm (10<sup>1</sup>/<sub>4</sub>")  
Height:  
Shrub Model=200mm (7<sup>7</sup>/<sub>8</sub>")  
Lawn-Pop=178mm (7")  
High-Pop=432mm (17")
- Body diameter: 63.5mm (2<sup>1</sup>/<sub>2</sub>")
- Exposed diameter: 69.8mm (2<sup>3</sup>/<sub>4</sub>")

### Specifying Information

V-1550 X X X

Body	Optional	Optional
S—Shrub 4–100mm (4") Pop-Up 12–300mm (12") High Pop	F—Full-Circle	E—Effluent LFLP—Low Flow Low Pressure

For Example:

When specifying a full-circle V-1550 Series sprinkler with a 100mm (4") pop-up height and a low-pressure nozzle, you would specify:

V-1550-4LFLP



**Count on it.**

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