



The Right Choice in Nozzles: Rotary Nozzles



Designed to fit on Rain Bird® spray heads, Rotary Nozzles provide unsurpassed design flexibility and highly efficient water distribution from 4 to 7.3 metres.

It has been awarded the Smart Approved WaterMark, a sign of distinction devised to assist in the conservation of water around the home.

Outstanding Features:

- **Fewer zones, faster installs** – system complexity and cost are reduced because more heads can be installed per zone. Rotary Nozzles can also be zoned with Rain Bird 5000/5000 Plus MPR Rotor Nozzles.
- **Efficient water distribution** – multiple rotating streams deliver close-in watering and even coverage throughout the radius range. The low precipitation rate significantly reduces wasteful run-off and erosion
- **Ultimate retrofit solution** – low flow rate and an expanded radius of throw solve existing spray zone inefficiencies caused by diminished pressure or stretched spacing.

For more information see: <http://www.rainbird.com/landscape/products/sprayNozzles/rotaryNozzles.htm>

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Rotary Nozzles

15.2mm/hr precipitation rate from 4.0 to 7.3 metres.

Designed to fit on Rain Bird® spray heads, Rotary Nozzles provide unsurpassed design flexibility and highly efficient water distribution from 4.0 to 7.3m.

Features

- Low precipitation rate – 15.2mm/hr – reduces run-off and erosion.
- Multiple, rotating streams uniformly distribute water throughout the radius range.
- Matched precipitation rate across radii and pattern simplify the design process.
- Matched precipitation rate with Rain Bird 5000/5000 Plus MPR Rotor Nozzles allow MPR irrigation designs from 4.0 to 10.7m.
- With approximately 60% less flow than conventional spray nozzles, Rotary Nozzles allow more heads per zone, reducing overall system complexity and cost.
- Maintains highly efficient performance throughout the 1.38-3.79 Bar pressure range, with no misting or fogging at high pressures.
- Stainless steel radius reduction screw allows reduction down to 4m on the R13-18 and to 5.2m on the R17-24 to accommodate varying landscape needs.
- Designed for use on Rain Bird spray heads.
- Three-year trade warranty.

Operating Range

- Pressure range: 1.4 to 3.8 bars
- Spacing: 4.0 m to 7.3 m

Models

- R13-18Q: 4.0 m to 5.5 m quarter-circle pattern nozzle
- R13-18T: 4.0 m to 5.5 m third-circle pattern nozzle
- R13-18H: 4.0 m to 5.5 m half-circle pattern nozzle
- R13-18TT: 4.0 m to 5.5 m two-thirds-circle pattern nozzle
- R13-18TQ: 4.0 m to 5.5 m three-quarter-circle pattern nozzle
- R13-18F: 4.0 m to 5.5 m full-circle pattern nozzle
- R17-24Q: 5.2 m to 7.3 m quarter-circle pattern nozzle
- R17-24T: 5.2 m to 7.3 m third-circle pattern nozzle
- R17-24H: 5.2 m to 7.3 m half-circle pattern nozzle
- R17-24TT: 5.2 m to 7.3 m two-thirds-circle pattern nozzle
- R17-24TQ: 5.2 m to 7.3 m three-quarter-circle pattern nozzle
- R17-24F: 5.2 m to 7.3 m full-circle pattern nozzle



R13-18 Series (Black Deflector)

Arc	Pressure bar	Radius m	Flow m ³ /hr	Flow l/m	■	▲
					Precip mm/h	Precip mm/h
R13-18F	1.4	4.0	0.29	4.95	19	22
	1.7	4.3	0.33	5.53	18	21
	2.1	4.8	0.36	6.06	15	18
	2.4	5.0	0.39	6.54	15	18
	2.8	5.2	0.42	6.99	15	18
	3.1	5.4	0.44	7.42	15	18
	3.4	5.5	0.47	7.82	15	18
R13-18TQ	1.4	4.0	0.22	3.71	19	22
	1.7	4.3	0.25	4.15	18	21
	2.1	4.8	0.27	4.54	15	18
	2.4	5.0	0.29	4.91	15	18
	2.8	5.2	0.31	5.25	15	18
	3.1	5.4	0.33	5.56	15	18
	3.4	5.5	0.35	5.86	15	18
R13-18TT	1.4	4.0	0.20	3.30	19	22
	1.7	4.3	0.22	3.69	18	21
	2.1	4.8	0.24	4.04	15	18
	2.4	5.0	0.26	4.36	15	18
	2.8	5.2	0.28	4.66	15	18
	3.1	5.4	0.29	4.95	15	18
	3.4	5.5	0.31	5.21	15	18
R13-18H	1.4	4.0	0.15	2.47	19	22
	1.7	4.3	0.16	2.76	18	21
	2.1	4.8	0.18	3.03	15	18
	2.4	5.0	0.19	3.27	15	18
	2.8	5.2	0.21	3.50	15	18
	3.1	5.4	0.22	3.71	15	18
	3.4	5.5	0.23	3.91	15	18
R13-18T	1.4	4.0	0.10	1.65	19	22
	1.7	4.3	0.11	1.84	18	21
	2.1	4.8	0.12	2.02	15	18
	2.4	5.0	0.13	2.18	15	18
	2.8	5.2	0.14	2.33	15	18
	3.1	5.4	0.15	2.47	15	18
	3.4	5.5	0.16	2.61	15	18
R13-18Q	1.4	4.0	0.07	1.24	19	22
	1.7	4.3	0.08	1.38	18	21
	2.1	4.8	0.09	1.51	15	18
	2.4	5.0	0.10	1.64	15	18
	2.8	5.2	0.10	1.75	15	18
	3.1	5.4	0.11	1.85	15	18
	3.4	5.5	0.12	1.95	15	18

R17-24 Series (Yellow Deflector)

Arc	Pressure bar	Radius m	Flow m ³ /hr	Flow l/m	■	▲
					Precip mm/h	Precip mm/h
R17-24F	1.4	5.2	0.55	9.27	20	23
	1.7	5.8	0.62	10.37	18	21
	2.1	6.4	0.68	11.36	16	19
	2.4	6.7	0.73	12.26	16	19
	2.8	6.9	0.78	13.10	16	19
	3.1	7.1	0.83	13.89	16	19
	3.4	7.3	0.87	14.65	16	19
R17-24TQ	1.4	5.2	0.41	6.95	20	23
	1.7	5.8	0.46	7.78	18	21
	2.1	6.4	0.45	7.57	16	19
	2.4	6.7	0.49	8.18	16	19
	2.8	6.9	0.52	8.74	16	19
	3.1	7.1	0.62	10.43	16	19
	3.4	7.3	0.65	11.00	16	19
R17-24TT	1.4	5.2	0.37	6.18	20	23
	1.7	5.8	0.41	6.91	18	21
	2.1	6.4	0.45	7.57	16	19
	2.4	6.7	0.49	8.18	16	19
	2.8	6.9	0.52	8.74	16	19
	3.1	7.1	0.55	9.27	16	19
	3.4	7.3	0.58	9.77	16	19
R17-24H	1.4	5.2	0.28	4.62	20	23
	1.7	5.8	0.31	5.19	18	21
	2.1	6.4	0.34	5.68	16	19
	2.4	6.7	0.36	6.17	16	19
	2.8	6.9	0.39	6.55	16	19
	3.1	7.1	0.41	6.97	16	19
	3.4	7.3	0.44	7.34	16	19
R17-24T	1.4	5.2	0.18	3.09	20	23
	1.7	5.8	0.21	3.46	18	21
	2.1	6.4	0.23	3.79	16	19
	2.4	6.7	0.24	4.09	16	19
	2.8	6.9	0.26	4.37	16	19
	3.1	7.1	0.28	4.64	16	19
	3.4	7.3	0.29	4.89	16	19
R17-24Q	1.4	5.2	0.14	2.31	20	23
	1.7	5.8	0.15	2.57	18	21
	2.1	6.4	0.17	2.84	16	19
	2.4	6.7	0.18	3.07	16	19
	2.8	6.9	0.20	3.29	16	19
	3.1	7.1	0.21	3.48	16	19
	3.4	7.3	0.22	3.67	16	19

Note: Rotary Nozzles tested on 10 cm pop-ups. Performance data taken in zero wind conditions.

■ Square spacing based on 50% diameter of throw.

▲ Triangular spacing based on 50% diameter of throw.

Layout using square or triangular head-to-head (50%) spacing. Single row applications are not recommended. Do not reduce radius below 4.0 m on the R13-18 model and below 5.2 m on the R17-24 model.

Installation on Rain Bird 1800®-SAM Spray Heads recommended in sandy environments.