

## Micro-Quick™ Sprays

The Rain Bird® Micro-Quick™ Spray system helps provide for a more efficient use of water, chemicals, and energy. The unique snap fit of the nozzles and deflectors reduce the time and expense needed for regular maintenance and to make modifications for a variety of growing conditions. Micro-Quick sprays are the only micro spray system available with a reversible deflector design featuring two-patterns to give more options for efficient irrigation.

### Features

- No tools required for assembly, disassembly, or cleaning maintenance with easy snap fit nozzles and deflectors
- Interchangeable nozzles and deflectors to change flow rates or spray patterns as needed
- Color-coded nozzles for easy identification
- Less maintenance required with no moving parts
- Can be installed upright for upward spray or inverted for downward spray positions
- Constructed with Ultraviolet (UV) stabilized resin to protect from sun damage and chemicals
- Order preassembled from the factory or as individual components for field customization

### Applications

- For agriculture, greenhouse, and nursery use
- Operates in both an upright or inverted installation, making it ideal for nurseries, orchards, vineyards, vegetables, nut and citrus crops

### Specifications

#### Operating pressure:

- 10 to 30 psi (0.69 to 2.07 bar)

#### Flow range:

- 3.7 to 30.6 gph (13.6 to 115.7 l/h)

#### Wetted diameter range:

- 3 to 28 feet (0.91 to 8.5m)

#### Filtration:

- Recommendation varies by nozzle selection
- Ranges from 80 to 200 mesh (74 to 180 micron)

#### Distribution/Transfer tubing:

- Standard length in assembly: 36" (0.91 m), call for custom length options
- Size: OD: 0.25" (6.4 mm), ID: 0.17" (4.3 mm), wall thickness: 0.04" (1mm)

### Packaging Data

- Assembled sprays can be ordered in increments of 1; case quantity of 400
- Nozzles and deflectors can be ordered in increments of 200 pieces; case quantity of nozzles is 3,000, case quantity of deflectors is 5,000
- Stakes can be ordered in increments of 1; case quantity of 130
- Transfer assemblies can be ordered in increments of 100; case quantity of 700



### How To Specify

## MQ 36 BS AA 05

#### Nozzle

- 05 – 5 gph (18.9 l/h) Black
- 08 – 8 gph (30.3 l/h) Orange
- 12 – 12 gph (45.4 l/h) Blue
- 14 – 14 gph (53 l/h) Violet
- 17 – 17 gph (64.4 l/h) Green
- 24 – 24 gph (90.8 l/h) Red
- 33 – 33 gph (124.9 l/h) White

#### Deflector

(Down x Up)

- AA – A x A Pattern
- AC – A x C Pattern
- AE – A x E Pattern
- BC – B x C Pattern
- BE – B x E Pattern
- DC – D x C Pattern
- DE – D x E Pattern
- EA – E x A Pattern
- ED – E x D Pattern
- EF – E x F Pattern
- EG – E x G Pattern
- FE – F x E Pattern
- GE – G x E Pattern

#### Stake

- BS – Black Stake

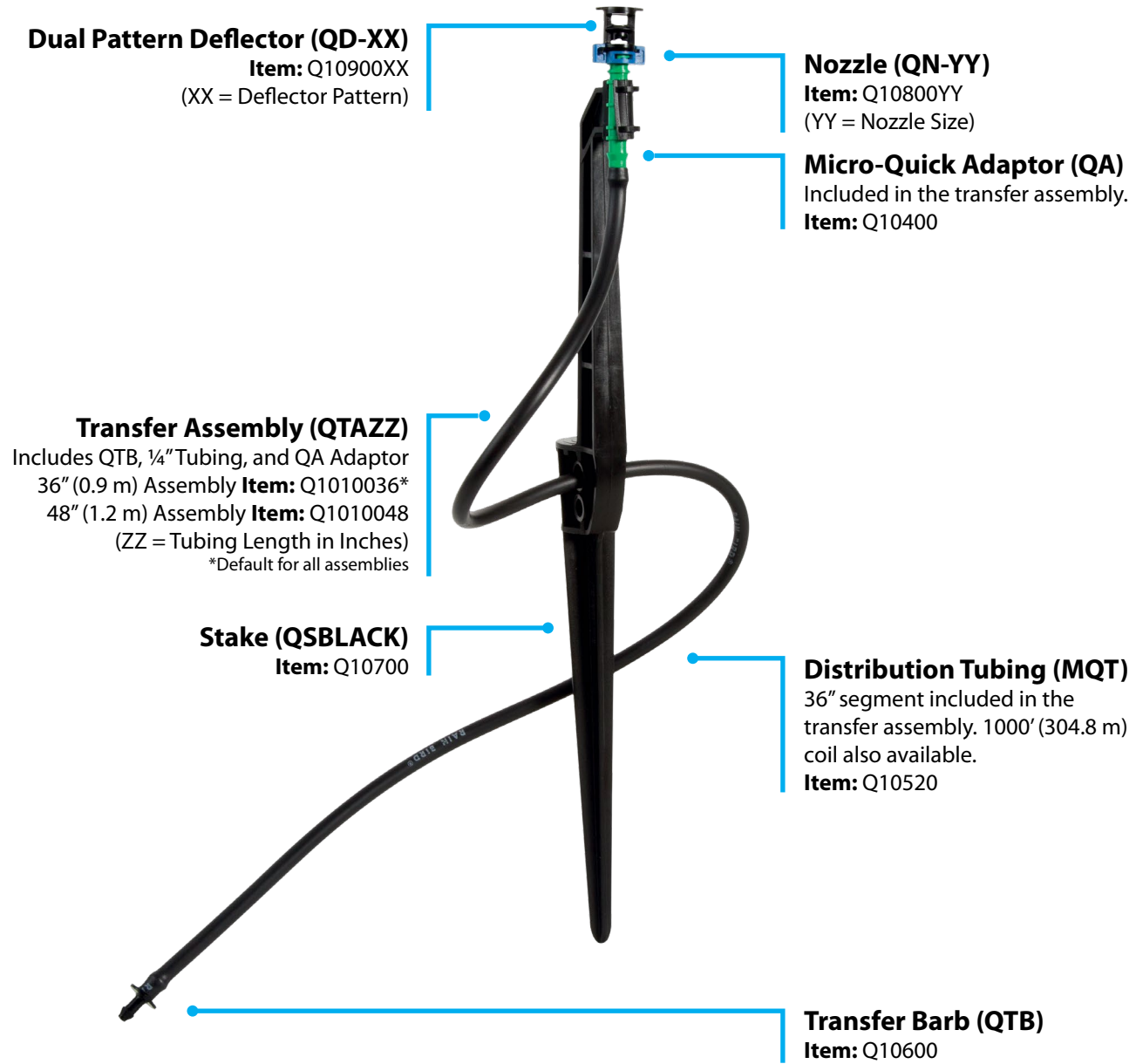
#### Tube Length

- 36 – 36" (91.4 cm)





#### Core Family

- MQ – Micro-Quick™ Spray

# System Components

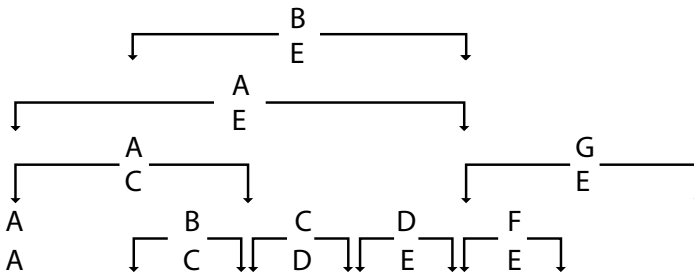















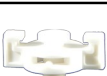
## Other Available Parts

 <p><b>Conversion Adaptor</b> 10-32 thread inlet x snap outlet to connect Rain Bird® Micro-Quick™ to non-Rain Bird transfer assemblies. <b>Model:</b> QCA <b>Item:</b> Q11200</p>	 <p><b>Deflector Removal Tool</b> <b>Model:</b> QDT <b>Item:</b> Q11400</p>	 <p><b>Nozzle Plug</b> <b>Model:</b> QNP <b>Item:</b> Q1080099</p>	 <p><b>Line/Goof Plug</b> <b>Model:</b> EMA-GP <b>Item:</b> D24695</p>
--	--	--	---

# Performance Data

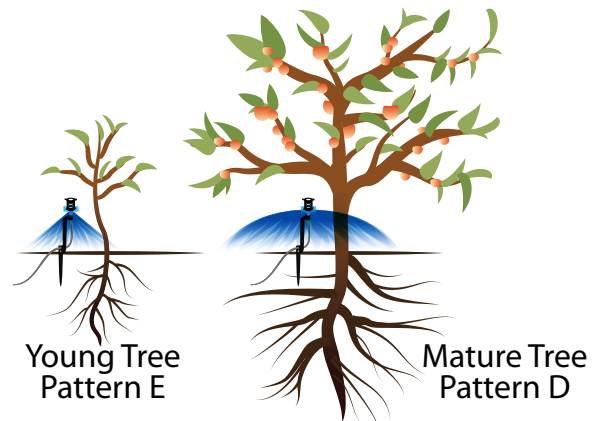
US Units



														
Nozzle	Pressure (psi)	Pattern Flow (gph)	A	B		C	D	E	F	G		Recommended Filtration (mesh/micron)		
			360° Star Bird™ Diameter (ft)	Length (ft)	Width (ft)	120° Fan Spray Radius (ft)	360° 24 Stream Diameter (ft)	Down Spray Diameter (ft)	Notched Diameter (ft)	Rectangular Length (ft)	Width (ft)			
 <b>QN-05</b> 0.026" (0.66 mm) Black Q1080005	10	3.7	8.5	8.0	7.5	4.0	8.0	3.0	10.0	9.0	6.0	200/74		
	15	4.5	9.5	10.0	8.5	4.5	9.5	3.0	11.0	10.0	6.5			
	20	5.2	10.5	11.0	9.0	5.0	11.0	3.0	12.0	11.0	7.0			
	25	5.9	11.0	11.5	9.5	5.3	11.0	3.0	12.5	12.0	7.5			
	30	6.5	11.5	12.0	10.0	5.5	11.0	3.0	13.0	13.0	8.0			
 <b>QN-08</b> 0.033" (0.84 mm) Orange Q1080008	10	5.6	13.0	10.0	7.5	4.5	9.5	3.0	12.5	12.0	7.0	170/93		
	15	6.9	13.5	11.5	8.5	5.0	11.0	3.0	13.5	13.5	8.0			
	20	8.0	14.0	12.5	9.5	5.5	12.5	3.0	14.0	15.0	9.0			
	25	9.2	14.5	12.5	9.5	6.0	13.5	3.0	14.0	16.5	10.0			
	30	10.0	15.0	13.0	10.0	6.5	14.5	3.0	14.5	18.0	10.5			
 <b>QN-12</b> 0.038" (0.97 mm) Blue Q1080012	10	7.3	17.0	11.0	9.5	4.5	11.0	3.0	14.5	15.0	8.0	150/105		
	15	9.1	17.5	13.0	10.0	5.3	12.5	3.0	15.5	16.5	9.0			
	20	10.6	18.0	14.5	10.5	6.0	13.5	3.0	16.0	18.0	9.5			
	25	11.8	18.0	15.0	11.5	6.5	15.8	3.0	17.0	20.5	10.5			
	30	13.2	18.0	15.5	12.0	7.0	18.0	3.0	17.5	23.0	11.0			
 <b>QN-14</b> 0.044" (1.12 mm) Violet Q1080014	10	9.7	19.0	13.0	10.0	5.0	12.0	3.0	16.5	15.5	8.5	130/118		
	15	11.8	20.0	16.0	11.5	5.5	14.0	3.0	17.5	17.5	9.5			
	20	13.7	20.5	17.0	12.0	6.0	15.5	3.0	18.5	19.5	10.0			
	25	15.5	20.5	18.0	12.5	6.0	18.0	3.0	19.5	22.0	11.0			
	30	17.2	21.0	19.0	13.0	7.0	20.5	3.0	20.5	24.0	11.5			
 <b>QN-17</b> 0.048" (1.22 mm) Green Q1080017	10	10.7	21.0	15.0	10.5	6.0	13.0	3.0	17.0	16.0	9.0	120/125		
	15	13.3	22.0	15.0	12.0	6.0	15.0	3.0	18.5	18.5	10.0			
	20	15.5	22.5	19.0	12.5	6.0	17.0	3.0	20.0	20.5	10.5			
	25	17.4	23.0	20.0	13.0	6.5	20.0	3.0	21.5	23.0	11.0			
	30	19.1	23.5	21.0	13.5	7.0	23.0	3.0	23.0	25.0	12.0			
 <b>QN-24</b> 0.057" (1.45 mm) Red Q1080024	10	14.2	23.0	16.0	11.5	6.5	15.0	3.0	18.0	18.5	11.0	100/150		
	15	17.3	25.5	18.0	12.5	7.0	17.0	3.0	20.0	20.5	12.0			
	20	20.1	28.0	19.5	13.0	7.5	19.0	3.0	21.5	22.0	13.0			
	25	22.4	28.0	21.0	13.5	7.5	24.0	3.0	23.5	24.0	13.5			
	30	26.0	28.0	22.0	14.0	7.5	25.0	3.0	25.0	25.5	14.0			
 <b>QN-33</b> 0.068" (1.73 mm) White Q1080033	10	17.2	25.0	18.0	11.0	7.5	17.5	3.0	19.0	21.0	13.0	80/180		
	15	21.0	26.0	21.0	13.0	8.3	19.2	3.0	21.0	22.5	14.0			
	20	25.2	27.0	23.0	14.5	9.0	21.0	3.0	23.0	23.5	14.5			
	25	27.9	28.0	24.0	15.0	9.4	23.0	3.0	25.0	25.0	15.5			
	30	30.6	28.0	25.0	15.5	9.5	25.0	3.0	27.0	26.0	16.0			

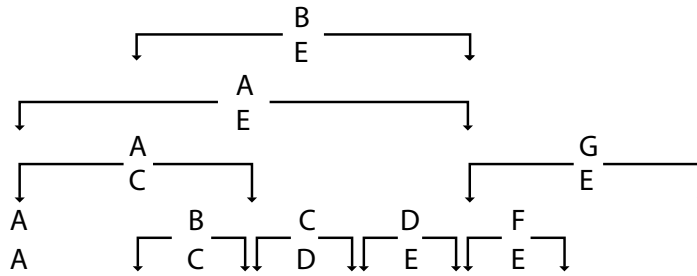
## Dual Pattern Deflector to Optimize Water Application








The unique design of the Micro-Quick™ deflectors allow the micro spray system to grow along with the maturation of the crop trees. With no tools required, the convenient two-sided deflector can be flipped over to quickly change the pattern and size of the wetted area.



# Performance Data

Metric Units



Nozzle	Pressure (bar)	Pattern Flow (l/h)	A		B		C	D	E	F		G		Recommended Filtration (mesh/micron)
			360° Star Bird™ Diameter (m)	Butterfly Length (m)	Width (m)	120° Fan Spray Radius (m)	360° 24 Stream Diameter (m)	Down Spray Diameter (m)	Notched Diameter (m)	Rectangular Length (m)	Width (m)			
 <b>QN-05</b> 0.026"(0.66 mm) Black Q1080005	0.75	13.8	2.6	2.4	2.3	1.2	2.4	0.9	3.0	2.7	1.8	200/74		
	1.00	17.2	2.9	3.0	2.6	1.4	2.9	0.9	3.3	3.0	2.0			
	1.50	19.8	3.3	3.3	2.7	1.6	3.2	0.9	3.6	3.3	2.1			
	1.75	22.3	3.4	3.5	2.9	1.6	3.4	0.9	3.8	3.6	2.3			
	2.00	24.5	3.5	3.7	3.0	1.7	3.4	0.9	4.0	4.0	2.4			
 <b>QN-08</b> 0.033"(0.84 mm) Orange Q1080008	0.75	21.0	3.7	3.0	2.3	1.4	2.9	0.9	3.8	3.6	2.1	170/93		
	1.00	26.3	3.8	3.5	2.6	1.5	3.3	0.9	4.1	4.1	2.4			
	1.50	30.1	4.3	3.8	2.9	1.7	3.8	0.9	4.2	4.6	2.7			
	1.75	34.6	4.4	3.8	2.9	1.8	4.0	0.9	4.2	5.0	3.0			
	2.00	37.8	4.5	4.0	3.0	2.0	4.2	0.9	4.4	5.4	3.2			
 <b>QN-12</b> 0.038"(0.97 mm) Blue Q1080012	0.75	27.6	5.1	3.4	2.9	1.4	3.3	0.9	4.4	4.6	2.4	150/105		
	1.00	34.5	5.3	4.0	3.0	1.6	3.7	0.9	4.7	5.0	2.7			
	1.50	40.0	5.4	4.4	3.2	1.9	4.0	0.9	4.9	5.4	2.9			
	1.75	44.7	5.5	4.6	3.5	2.0	4.8	0.9	5.1	6.2	3.2			
	2.00	49.9	5.5	4.7	3.7	2.1	5.3	0.9	5.3	7.0	3.3			
 <b>QN-14</b> 0.044"(1.12 mm) Violet Q1080014	0.75	36.5	5.8	4.0	3.0	1.5	3.6	0.9	5.0	4.7	2.6	130/118		
	1.00	44.6	6.1	4.9	3.5	1.7	4.2	0.9	5.3	5.3	2.9			
	1.50	52.0	6.3	5.2	3.7	1.8	5.0	0.9	5.6	5.9	3.0			
	1.75	58.7	6.3	5.5	3.8	1.9	5.5	0.9	5.9	6.7	3.3			
	2.00	65.0	6.4	5.8	4.0	2.1	6.1	0.9	6.2	7.3	3.5			
 <b>QN-17</b> 0.048"(1.22 mm) Green Q1080017	0.75	40.5	6.4	4.6	3.2	1.8	4.0	0.9	5.1	4.9	2.7	120/125		
	1.00	50.5	6.7	5.2	3.7	1.8	4.5	0.9	5.6	5.6	3.0			
	1.50	58.5	6.9	5.8	3.8	1.9	5.5	0.9	6.1	6.2	3.2			
	1.75	65.9	7.0	6.1	4.0	2.0	6.0	0.9	6.5	7.0	3.3			
	2.00	72.3	7.1	6.4	4.1	2.1	6.8	0.9	7.0	7.6	3.7			
 <b>QN-24</b> 0.057"(1.45 mm) Red Q1080024	0.75	53.9	7.1	4.9	3.5	2.0	4.6	0.9	5.4	5.6	3.3	100/150		
	1.00	65.6	7.8	5.5	3.8	2.2	5.1	0.9	6.1	6.2	3.7			
	1.50	76.0	8.2	5.9	4.0	2.2	6.3	0.9	6.5	6.7	3.9			
	1.75	84.9	8.5	6.4	4.1	2.3	7.0	0.9	7.1	7.3	4.1			
	2.00	98.4	8.5	6.7	4.3	2.3	7.3	0.9	7.6	7.7	4.2			
 <b>QN-33</b> 0.068"(1.73 mm) White Q1080033	0.75	65.1	7.6	5.5	3.4	2.3	5.4	0.9	5.8	6.4	3.9	80/180		
	1.00	79.5	7.9	6.4	4.0	2.5	5.8	0.9	6.4	6.9	4.2			
	1.50	95.3	8.3	7.0	4.4	2.8	6.6	0.9	7.0	7.1	4.4			
	1.75	105.7	8.4	7.3	4.6	2.9	7.1	0.9	7.6	7.6	4.7			
	2.00	115.7	8.5	7.6	4.7	2.9	7.5	0.9	8.2	7.9	4.9			

**Rain Bird Corporation**  
 970 West Sierra Madre Avenue  
 Azusa, CA 91702  
 Phone: (800) HELLO-AG (800-435-5624)  
 Fax: (626) 812-3411

**Rain Bird Corporation**  
 6991 E. Southpoint Road  
 Tucson, AZ 85756  
 Phone: (520) 741-6100  
 Fax: (520) 741-6522

**Rain Bird International, Inc.**  
 1000 West Sierra Madre Ave.  
 Azusa, CA 91702  
 Phone: (626) 963-9311  
 Fax: (626) 852-7343