



Micro-Quick™ Sprays & Micro-Bird® Spinners





How to Order from the Micro-Quick Sprays and Micro-Bird Spinners Section

The Micro-Quick Sprays and Micro-Bird Spinner families can be ordered fully assembled or as individual components.

- To place an order in the United States call (800) HELLO AG (435-5624) or use the Toll-FREE Fax Ordering number at (800) 843-4162.
- Customers outside the U.S. can contact the International Customer Service Department at (520) 878-2400 to place an order.

For Micro-Quick Sprays:

1. Select your spray pattern
2. Use the table provided to find the appropriate nozzle
3. Select your tubing assembly length (either 24" or 36")
4. Build your model number using the scheme below

MODEL (nominal nozzle diameter)	PRES.	FLOW	A		B		C	D	E	F	G	
			DIAMETER	LENGTH	WIDTH	RADIUS	DIAMETER	DIAMETER	DIAMETER	LENGTH	WIDTH	
NOZZLE	psi	gph	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft
QN-05 Black 0.026"	10	3.7	8.5	8.0	7.5	4.0	8.0	3.0	10.0	9.0	6.0	
	15	4.6	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	
QN-08 Orange 0.033"	10	5.6	13.0	10.0	7.5	4.5	9.5	3.0	12.5	12.0	7.0	
	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	14.0	9.0	
	25	9.2	14.5	12.5	9.5	6.0	13.5	3.0	14.0	16.5	10.0	
QN-12 Blue 0.038"	10	7.3	17.0	11.0	9.5	4.5	11.0	3.0	14.5	15.0	8.0	
	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	

MQ

MQ = Micro-Quick

24

24 = 24" Tubing Assembly
36 = 36" Tubing Assembly

RS

RS = Red Stake
BS = Black Stake

AA

AA = A pattern x A pattern
 AC = A pattern DOWN x C pattern UP
 AE = A pattern DOWN x E pattern UP
 BC = B pattern DOWN x C pattern UP
 BE = B pattern DOWN x E pattern UP
 DC = D pattern DOWN x C pattern UP
 DE = D pattern DOWN x E pattern UP
 EF = E pattern DOWN x F pattern UP
 EG = E pattern DOWN x G pattern UP
 CA = C pattern DOWN x A pattern UP
 EA = E pattern DOWN x A pattern UP
 CB = C pattern DOWN x B pattern UP
 EB = E pattern DOWN x B pattern UP
 CD = C pattern DOWN x D pattern UP
 ED = E pattern DOWN x D pattern UP
 FE = F pattern DOWN x E pattern UP
 GE = G pattern DOWN x E pattern UP

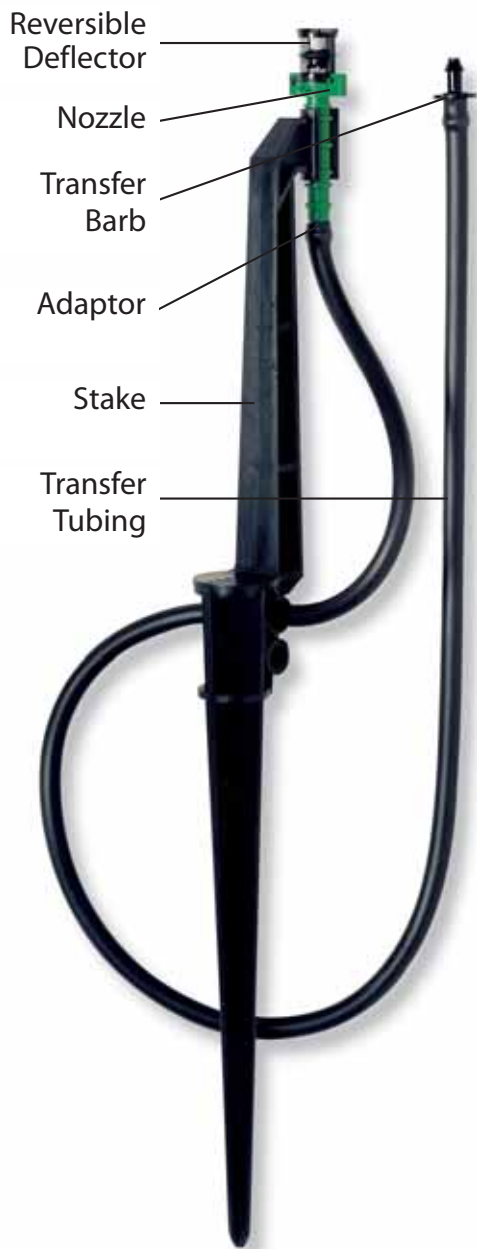
05

05 = 5 gph nozzle - black
 08 = 8 gph nozzle - orange
 12 = 12 gph nozzle - blue
 14 = 14 gph nozzle - violet
 17 = 17 gph nozzle - green
 24 = 24 gph nozzle - red
 33 = 33 gph nozzle - white

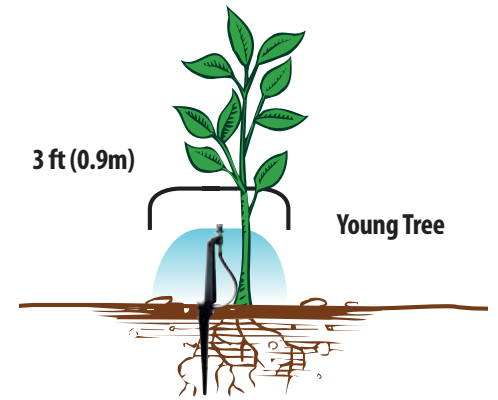
Micro-Quick Sprays

Water Application for a Young Tree vs. a Mature Tree

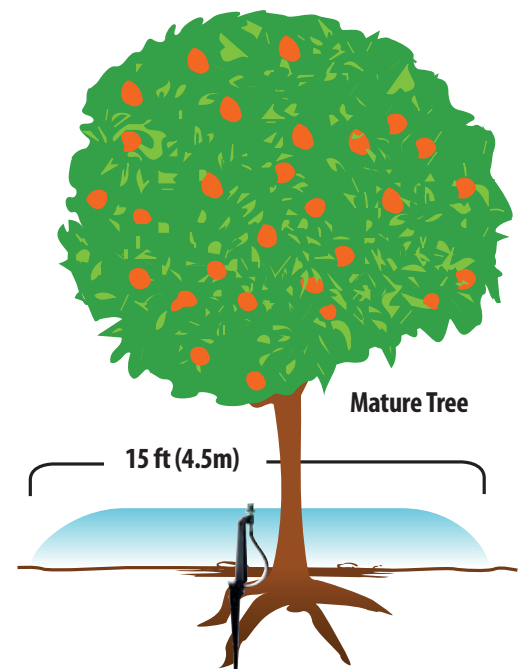
Rain Bird Micro-Quick features two-sided deflectors. You can use a small diameter pattern to irrigate a young tree, then flip the deflector over to get maximum distance to irrigate the tree through maturity.



Just flip over the two-sided deflector for a different pattern. All components are protected by UV inhibitors and resist agricultural chemicals.



Pattern "E"



Pattern "D"

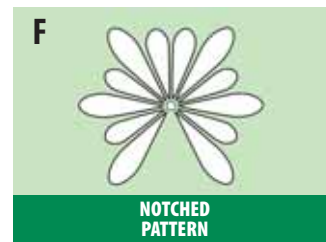
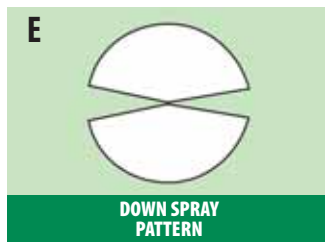
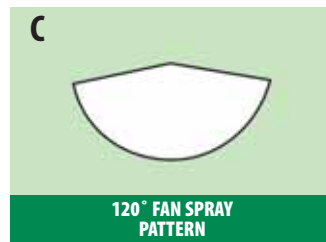
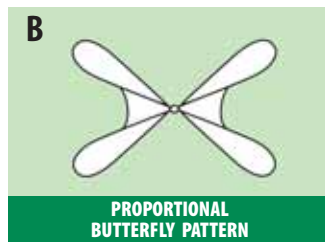
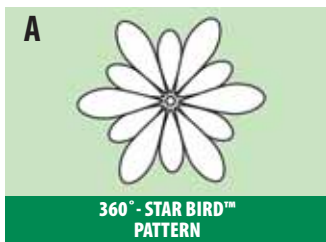
Features and Benefits

Micro-Quick

A Micro-Quick™ system leads to efficient use of water, chemicals and energy, and reduced labor, inventory and management time needed to make system modifications for various growing conditions. Micro-Quick sprays are the only micro sprays available with reversible dual pattern deflectors and a selection of deflector pattern combinations available to meet your specific application requirements.

- No tools are required to remove and re-install nozzle/deflector on the bayonet mount.
- Nozzle or deflector assembly is easily removed for cleaning.
- Quickly change the nozzle or deflector assembly to achieve a higher flow rate or different spray pattern.
- The taper bore nozzle design prevents debris from clogging the orifice and makes it easier to clean.
- All nozzles are color-coded.
- With no moving parts, Micro-Quick is virtually maintenance free.
- Upright (upward spraying) or inverted (downward spraying) nozzle/deflector position available.
- The transfer tubing offers maximum flexibility, durability and kink-resistance.
- Wide flow range from 3.7 GPH (13.8 l/h) to 30.6 GPH (115.7 l/h).








Nozzle Watering Patterns



Micro-Quick™ Sprays

Performance Data and Stake Assembly

U.S. STANDARD DATA

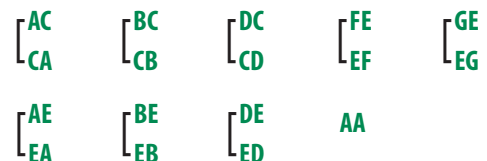
MODEL (nominal nozzle diameter)	PRES.	FLOW	A 		B 		C 	D 	E 	F 	G 	
			DIAMETER	LENGTH	WIDTH	RADIUS	DIAMETER	DIAMETER	DIAMETER	LENGTH	WIDTH	
NOZZLE	psi	gph	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft
QN-05 Black 0.026"	10	3.7	8.5	8.0	7.5	4.0	8.0	3.0	10.0	9.0	6.0	
	15	4.6	9.5	10.0	8.5	4.5	9.5	3.0	11.0	10.0	6.5	
	20	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	
QN-08 Orange 0.033"	10	5.6	13.0	10.0	7.5	4.5	9.5	3.0	12.5	12.0	7.0	
	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	
QN-12 Blue 0.038"	10	7.3	17.0	11.0	9.5	4.5	11.0	3.0	14.5	15.0	8.0	
	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	
QN-14 Violet 0.044"	10	9.7	19.0	13.0	10.0	5.0	12.0	3.0	16.5	15.5	8.5	
	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	
QN-17 Green 0.048"	10	10.7	21.0	15.0	10.5	6.0	13.0	3.0	17.0	16.0	9.0	
	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	
QN-24 Red 0.057"	10	14.2	23.0	16.0	11.5	6.5	15.0	3.0	18.0	18.5	11.0	
	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	
QN-33 White 0.068"	10	17.2	25.0	18.0	11.0	7.5	17.5	3.0	19.0	21.0	13.0	
	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	

Recommended Filtration (Mesh, Microns): QN-05 (200, 74), QN-08 (170, 93), QN-12 (150, 105), QN-14 (130, 118), QN-17 (120, 125), QN-24 (100, 150), QN-33 (80, 180)

- Specify deflector pattern to be installed down in the operational position by listing desired pattern letter first i.e., "AC"=360° Star Bird installed down in the operational position, with 120° Fan Spray installed up.
- Specify transfer tubing length: 24" (61cm), 36" (91cm), 48" (122cm), or 60" (152cm).

Note: 1 bar = 14.5 psi; 1 meter = 3.281 ft; 1 liter = 0.264 gal








Dual Pattern Configurations



Micro-Quick™ Sprays

Performance Data and Stake Assembly

METRIC DATA

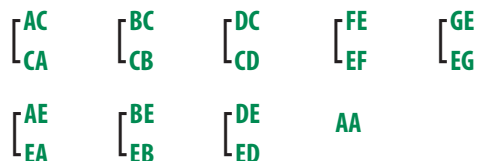
MODEL (nominal nozzle diameter)	PRES.	FLOW	A 	B 		C 	D 	E 	F 	G 	
			DIAMETER	LENGTH	WIDTH	RADIUS	DIAMETER	DIAMETER	DIAMETER	LENGTH	WIDTH
NOZZLE	bar	l/h	m	m	m	m	m	m	m	m	m
QN-05 Black 0.66mm	0.75	13.8	2.6	2.4	2.3	1.2	2.4	0.9	3.0	2.7	1.80
	1.00	17.2	2.9	3.0	2.6	1.4	2.9	0.9	3.3	3.0	2.00
	1.50	19.8	3.3	3.3	2.7	1.6	3.2	0.9	3.6	3.3	2.10
	1.75	22.3	3.4	3.5	2.9	1.6	3.4	0.9	3.8	3.6	2.25
	2.00	24.5	3.5	3.7	3.0	1.7	3.4	0.9	4.0	4.0	2.40
QN-08 Orange 0.84mm	0.75	21.0	3.7	3.0	2.3	1.4	2.9	0.9	3.8	3.6	2.1
	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	3.01
	2.00	37.8	4.5	4.0	3.0	2.0	4.2	0.9	4.4	5.4	3.2
QN-12 Blue 0.97mm	0.75	27.6	5.1	3.4	2.9	1.4	3.3	0.9	4.4	4.6	2.4
	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
QN-14 Violet 1.12mm	0.75	36.5	5.8	4.0	3.0	1.5	3.6	0.9	5.0	4.7	2.6
	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
QN-17 Green 1.21mm	0.75	40.5	6.4	4.6	3.2	1.8	4.0	0.9	5.1	4.9	2.7
	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
QN-24 Red 1.45mm	0.75	53.9	7.1	4.9	3.5	2.0	4.6	0.9	5.4	5.6	3.3
	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
QN-33 White 1.73mm/0.068"	0.75	65.1	7.6	5.5	3.4	2.3	5.4	0.9	5.8	6.4	3.9
	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

Recommended Filtration (Mesh, Microns): QN-05 (200, 74), QN-08 (170, 93), QN-12 (150, 105), QN-14 (130, 118), QN-17 (120, 125), QN-24 (100, 150), QN-33 (80, 180)

- Specify deflector pattern to be installed down in the operational position by listing desired pattern letter first i.e., "AC"=360° Star Bird installed down in the operational position, with 120° Fan Spray installed up.
- Specify transfer tubing length: 24" (61cm), 36" (91cm), 48" (122cm), or 60" (152cm).

Note: 1 bar = 14.5 psi; 1 meter = 3.281 ft; 1 liter = 0.264 gal

Dual Pattern Configurations



Micro-Bird® Spinners

Micro-Bird II Spinners

The Micro-Bird II Spinner is a low-flow, micro-sprinkler ideal for applications of mature trees, greenhouses, nurseries, gardens, and landscapes.

- “Tall Bridge” and superior plastic design reduces wear and stalling.
- Unique spinner design provides a superior wetted pattern.
- “Two-Step” thread configuration to accommodate both large and small sizes of distribution tubing.
- Four color-coded nozzle bodies for easy identification.
- 340° pattern design provides uniform coverage without wetting tree trunks.
- Low 10° trajectory angle to fight wind drift.
- Filtration mesh hole size should be approximately 10 times smaller than nozzle size.



1 bar = approx. 100 kPa.

GENERAL NOTE: Performance data are obtained under ideal test conditions and may be adversely affected by wind, hydraulic conditions, and other factors.

*Flow and diameter are based on pressure at the base of the Micro-Bird Spinner and a 6 in. (15cm) riser height.

Performance Data*

MODEL (nominal nozzle diameter)	Filtration Requirements mesh (Microns)	340°					
		PRES (bar)	Flow (gph)	Dia (ft)	PRES (bar)	Flow (l/h)	Dia (m)
SP12-340 Blue (0.99mm/0.039")	150 (105)	15	10.1	18	1.0	38.0	5.6
		20	11.6	19	1.5	45.0	6.0
		25	12.9	20	2.0	53.0	6.4
		30	14.1	21	2.5	58.0	6.6
		35	15.3	21	3.0	65.0	6.8
SP16-340 Green (1.21mm/0.048")	120 (125)	15	15.1	20	1.0	57.0	6.0
		20	17.4	21	1.5	67.0	6.6
		25	19.4	22	2.0	80.2	7.0
		30	21.2	23	2.5	86.3	7.2
		35	22.8	23	3.0	95.0	7.2
SP24-340 Red (1.45mm/0.057")	100 (150)	15	20.9	21	1.0	79.0	6.4
		20	24.1	23	1.5	95.0	7.0
		25	26.9	24	2.0	110.0	7.4
		30	29.3	24	2.5	118.0	7.6
		30	31.4	25	3.0	130.0	7.8
SP30-340 Orange (1.73mm/0.068")	80 (180)	15	28.9	23	1.0	110.0	7.0
		20	33.4	24	1.5	129.0	7.6
		25	37.2	26	2.0	153.0	8.0
		30	40.5	26	2.5	164.0	8.2
		35	43.3	27	3.0	180.0	8.4

TRANSFER TUBE ASSEMBLY PRESSURE LOSS CHART

U.S. UNITS			METRIC UNITS		
Flow (gph)	Pressure Loss (psi)		Flow (l/h)	Pressure Loss (bar)	
	24"	36"		61cm	91cm
05	0.2	0.2	20	0.01	0.02
10	0.6	0.8	40	0.04	0.06
15	1.2	1.7	60	0.10	0.13
20	2.2	3.0	80	0.17	0.23
25	3.3	4.5	100	0.25	0.35
30	4.7	6.4	120	0.36	0.49
35	6.2	8.5	140	0.48	0.65

All components are protected by UV inhibitors and resist agricultural chemicals.

Micro-Quick Sprays and Accessories

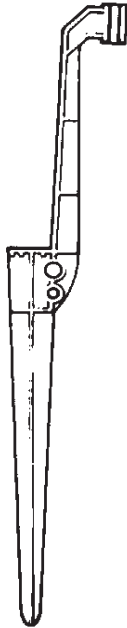
MODEL	PART NUMBER	DESCRIPTION
TRANSFER ASSEMBLIES (INCLUDES QTB INLET BARB, ADAPTOR, TUBING, AND QA - GREEN DELRIN - ADAPTOR)		
QTA-24	Q1010024	Transfer Assembly - 24" Tubing
QTA-36	Q1010036	Transfer Assembly - 36" Tubing
DUAL PATTERN - REVERSIBLE DEFLECTORS		
QD-AA	Q10900AA	(A) 360 deg 12 Star Bird x (A) 360 deg 12 Star Bird
QD-AC	Q10900AC	(A) 360 deg 12 Star Bird x (C) 120 deg Fan Spray
QD-AE	Q10900AE	(A) 360 deg 12 Star Bird x (E) Downspray
QD-BC	Q10900BC	(B) Proportional Butterfly x (C) 120 deg Fan Spray
QD-BE	Q10900BE	(B) Proportional Butterfly x (E) Downspray
QD-DC	Q10900DC	(D) 360 deg 24 Stream x (C) 120 deg Fan Spray
QD-DE	Q10900DE	(D) 360 deg 24 Stream x (E) Downspray
QD-EF	Q10900EF	(E) Downspray x (F) Notch
QD-EG	Q10900EG	(E) Downspray x (G) "R" or rectangular pattern
MICRO-QUICK NOZZLES		
QN-05	Q1080005	05 gph nozzle - black
QN-08	Q1080008	08 gph nozzle - orange
QN-12	Q1080012	12 gph nozzle - blue
QN-14	Q1080014	14 gph nozzle - violet
QN-17	Q1080017	17 gph nozzle - green
QN-24	Q1080024	24 gph nozzle - red
QN-33	Q1080033	33 gph nozzle - white
QNP	Q1080099	Nozzle plug
MICRO-QUICK STAKES		
QS-BLACK	Q10700	Black stake
QS-RED	Q11700	Red stake
ADAPTORS, CONNECTORS, BULK TRANSFER TUBING AND ACCESSORIES		
QA	Q10400	Micro-Quick Adaptor, barb inlet x snap outlet, green, Delrin
QCA	Q11200	Conversion Adaptor, barb inlet, 10-32 thread inlet x snap outlet, green, to connect QN/QD assemblies to non-Rain Bird transfer assemblies
MQT-150/050	Q10500	Vinyl tubing, 0.150" I.D. x .050" wall PVC-2000 ft / coil
QTB	Q10600	Transfer Barb
QDT	Q11400	Micro-Quick Deflector Removal Tool
MBQA	Q11000	MBQA Micro-Bird Quick Adaptor
EMA-GP	D24695	Line (Goof) Plugs

Micro-Quick Sprays and Accessories

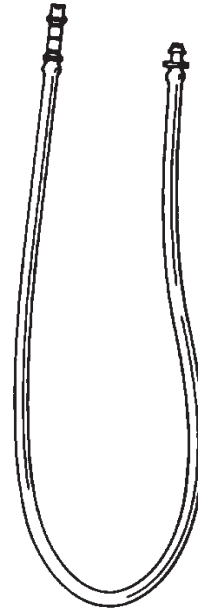
MODEL	PART NUMBER	DESCRIPTION
MICRO-QUICK ASSEMBLY (XX = DEFLECTOR PATTERN [EXAMPLE: AA OR BE], YY = NOZZLE SIZE [EXAMPLE: 05 OR 33])		
MQ24RSxxyy		Assembled QTA-24", QS-RED, QD-xx and QN-yy
MQ36RSxxyy		Assembled QTA-36", QS-RED, QD-xx and QN-yy
MQ24BSxxyy		Assembled QTA-24", QS-BLACK, QD-xx and QN-yy
MQ36BSxxyy		Assembled QTA-36", QS-BLACK, QD-xx and QN-yy
MQ24RS	Q11810	Assembled QTA-24" and QS-RED
MQ36RS	Q11812	Assembled QTA-36" and QS-RED
MQ24BS	Q11811	Assembled QTA-24" and QS-BLACK
MQ36BS	Q11813	Assembled QTA-36" and QS-BLACK
TRANSFER ASSEMBLIES (INCLUDES QT B INLET BARB, TUBING, AND MBQA - BLACK POLYPROPYLENE - ADAPTOR)		
MBQTA24	Q1110024	Transfer Assembly - 24" Tubing
MBQTA36	Q1110036	Transfer Assembly - 36" Tubing
MICRO-BIRD SPINNERS AND ACCESSORIES		
MICRO BIRD SPINNERS		
SP12-340	A9241112	12 GPH - (Blue) - 340 deg
SP16-340	A9241116	16 GPH - (Green) - 340 deg
SP24-340	A9241124	24 GPH - (Red) - 340 deg
SP30-340	A9241130	30 GPH - (Orange) - 340 deg
MICRO-BIRD SPINNER ACCESSORIES & TOOLS		
MBQA	Q11000	MBQA Micro-Bird Quick Adaptor
EMA-GP	D24695	Line (Goof) Plugs
STAKES FOR MICRO-BIRD SPINNERS		
QS-BLACK	Q10700	Black stake
QS-RED	Q11700	Red stake

Micro-Quick Parts

QS
Stake Only



QTA
Transfer Assembly



24" & 36"
Hose Assembly



QD
Dual Deflector only



MBQA Micro-Bird
Adaptor



QN
Nozzle Only



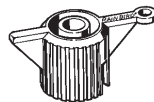
QA Micro-Quick
Adaptor



QTB
Transfer Barb



QCA
Conversion Adaptor



QDT
Deflector Removal Tool