

# PLUMBING

## Underground Sprinkler Systems

### RAIN BIRD®

## Drip Irrigation Systems

**Drip Emitter Conversion Kit 14U326**



**Drip Bubbler Conversion Kit 14U327**—Converts a pop-up spray into a water-saving micro bubbler zone.

**Drip Emitter Conversion Kit 14U326**—Converts an existing pop-up spray head into a water-saving drip system with 6 spot watering emitters. Ideal for larger planting beds and gardens.

Scan. Order. Done.  
Details on page A1.



Item	Item No.	Pkg. Qty.	Description	For 1/4" Tubing		For 1/2" Tubing	
				Item No.	Pkg. Qty.	Item No.	Pkg. Qty.
360° Adjust Pattern Mister	14U330	2	Blank Tubing, 100 ft.	2EME5	1	2EMA9	1
360° Micro Bubbler	14U331	2	Emitter Tubing	2EMA8	1	2EMA7	1
Drip Bubbler Conversion Kit	14U327	1	Barbed Tee	2EMC1	10	2EMC6	4
Drip Emitter Conversion Kit	14U326	1	Barbed Tee	2EMC2	10	2EMC5	4
Emitter and Diffuser	14U329	5	Coupling	—	—	2EMC7	4
Emitter Tool	2EMD3	1	Barbed Elbow	—	—	2EMC7	4
Faucet Connection Kit	2EME6	1	Barbed	2EMC3	10	—	—
Full Circle Micro Bubbler	2EMD7	4	End Plug	—	—	2EMC8	2
			End Closure	—	—	2EMC9	10
			Tubing Stake	2EMC4	10	2EMC9	10

\* Deliver water directly to plant base to help conserve water and reduce costs.



**Irrigation Sprinkler Timer 4KEA1**



**Electronic Hose End Timer 38W346**



**Impact Sprinkler Head 5Z285**



**Pop-Up Rotor Sprinkler Head 4JY64**

### RAIN BIRD®

## Professional Underground Sprinkler Systems

**Timers and Sensor**—Use 4KEA1 to adjust watering schedule for each area and the flow rate of each sprinkler. Has an auto rain shutoff to stop operation during rain, and easily linked to existing drip watering systems. 38W346 has easy-to-use controls, a LCD, and battery backup. 2EMF1 is adjustable to varying amounts of rainfall.

**Valves**—Use antisiphon valves in above-ground applications. Feature an adjustable flow control and help prevent wasteful misting when water pressure is too high. Use automatic in-line valves in pump systems where backflow protection is already installed.

**Pop-Up Gear Driven Rotors and Nozzles**—Design protects the easily adjustable rotors from dirt and debris. Mount on riser 1YHC6 to clear tall shrubs.

**Pop-Up Spray Heads with Nozzles**—The 4", 6", and 12" 1800 Series spray heads are efficient at low pressures.

Description	Spacing	Item No.	Description	Spacing	Item No.
<b>Timers and Sensor</b>			<b>Pop-Up Spray Heads with Nozzles, 1/2" Inlet, NPT Connection</b>		
Sprinkler Timer, 9-Zone, 7 Days, Rain Delay Command	—	4KEA1	2 1/2 in Sure Pop Quarter Circle	18 to 24 ft	5Z288
Electronic Hose End Timer, 3/4 in Hose Thread	—	38W346	2 1/2 in Sure Pop Half Circle	20 to 41 ft	5Z289
Rain Sensor	—	2EMF1	2 1/2 in Sure Pop Full Circle	19 to 32 ft	5Z290
<b>Valves, 125 psi Max., 24V, 50/60 Hz</b>			4 in 1804 Quarter Circle	19 to 32 ft	5Z291
Anti-siphon Valve, Professional Grade, 3/4 in FNPT	—	5Z297	4 in 1804 Half Circle	26 to 38 ft	5Z292
Anti-siphon Valve, Professional Grade, 1 in FNPT	—	5Z298	4 in 1804 Full Circle	25 to 50 ft	5Z293
Automatic In-line, 3/4 in, FPT	—	5Z299	4 in 1804 Adjustable	8 to 15 ft	3W972
Automatic In-line, 1 in, FPT	—	5Z300	4 in 1802 Quarter Circle	8 to 15 ft	6YPP1
<b>Impact Sprinkler Heads, 1/2" Inlet</b>			4 in 1802 Full Circle	26 to 41 ft	6YFN9
Brass, Adjustable	18 to 24 ft	5Z285	6 in 1806 Adjustable	11 to 15 ft	2EME8
Plastic, 20° to 340°	24 to 45 ft	1YHA5	12 in 1812 Adjustable	3 to 20 ft	2EME9
Arc or Full Circle	—	—	<b>Pop-Up Spray Heads w/o Nozzles, 1/2" Inlet, NPT Connection</b>		
<b>Pop-Up Impact Rotors, 1/2" Side and Bottom Inlets</b>			4 in 1802 Without Nozzle	8 to 15 ft	6YPP3
3 in Mini Paw, Adjustable, 0° to 360°	18 to 24 ft	5Z283	4 in 1804 Without Nozzle	13 to 18 ft	1YHB4
3 in Maxi Paw, Adjustable, 20° to 360°	24 to 45 ft w/ Nozzle	3W973	<b>Nozzles</b>		
<b>Pop-Up Gear Driven Rotors and Nozzles</b>			Spray Head Nozzle, Quarter Circle	7 to 15 ft	1YHC1
4 in Plastic, 1/2 in Inlet, Adjustable	8 to 15 ft	4JY63	Spray Head Nozzle, Half Circle	7 to 15 ft	1YHB9
4 in Plastic, 3/4 in Inlet, Adjustable	26 to 38 ft	4JY64	Spray Head Nozzle, Full Circle	7 to 15 ft	1YHB8
4 in Stainless Steel, 3/4 in, Adjustable	13 to 18 ft	1YHA6	Center Strip	7 to 15 ft	1YHC2
Nozzle Set, For Use with 4JY63	—	1YHA7	Side Strip	7 to 15 ft	1YHC3
Nozzle Set, For Use with 4JY64	—	1YHA8	<b>Accessories</b>		
<b>Shrubbery Spray Heads and Bubbler, 1/2" Inlet</b>			Solenoid Replacement Kit for 5Z299, 5Z300	—	1YHB2
Shrubbery Spray Head, Quarter Circle	8 to 15 ft	5Z294	Diaphragm Replacement Kit for 5Z299, 5Z300	—	1YHB3
Shrubbery Spray Head, Half Circle	8 to 15 ft	5Z295	Spray Head Pull Up Tool, 5 1/2 in H	—	1YHC5
Shrubbery Spray Head, Full Circle	8 to 15 ft	5Z296	Cut-Off Riser, 1/2 in NPT x 6 in H	—	1YHC6
Full-Circle Bubbler	11 to 15 ft	1YHC4			



**Quick Coupling Valve 4NDN8**



**Quick Coupling Key 4NDP1**



**Sprinkler Head 4NDP5**

## Brass Irrigation Sprinkler Heads and Fittings

Professional-quality components for general landscape irrigation, nursery, and greenhouse applications.

Description	Connection	H	W	Item No.
<b>Quick Coupling Valves; Max. Pressure 125 psi</b>				
Quick Coupling Valve	3/4 in FNPT	4 in	2 in	4NDN8
	1 in FNPT	5.2 in	2.2 in	4NDN9

Description	Connection	H	W	Item No.	
<b>Control Valve Keys</b>					
Valve Control Key, 30 in L	—	—	—	4NDR1	
<b>Quick Coupling Key; Max. Pressure 125 psi</b>					
Quick Coupling Key	3/4 in MNPT	6 in	1.1 in	4NDP1	
	1 in MNPT	9 in	1.2 in	4NDP2	
Connection	Pressure Range	Spacing	H	W	Item No.
<b>Sprinkler Heads</b>					
1/2 in MNPT	25 to 55 psi	30 to 45 ft	4 in	4 1/8 in	4NDP5
1 in MNPT	35 to 75 psi	48 to 76 ft	7 1/8 in	8 1/2 in	4NDP6
3/4 in MNPT	35 to 80 psi	40 to 70 ft	5 9/16 in	5 13/16 in	4NDP7
3/4 in MNPT	30 to 60 psi	40 to 55 ft	5 7/8 in	6 3/8 in	4NDP8

Description	Connection	Item No.
<b>Irrigation Fittings; Max. Pressure: 125 psi</b>		
Compression Tee	1/2 in FNPT on Branch Tee, 3/8 in pipe on Through compressions	4NDT3
	1/2 in FNPT on Branch Tee, 1/2 in pipe on Through compressions	4NDT6
	3/4 in FNPT on Branch Tee	4NDT4
Garden Hose Wye	3/4 in NHT	4NDT2
3/4 x 1/2 in Swivel, Double Female	3/4 in FGHT x 1/2 in FNPT	4KG87
3/4 x 3/4 in Double Male	3/4 in MGHT	4KG82
Hose Swivel	3/4 in MHT x 3/4 in FNPT	4NDP3
	3/4 in x 1 in MHT x FPT	4NDP4