



2021 Irrigation Catalog

Consumer Products



The Intelligent Use of Water™



The #1 Brand In Irrigation

Leading the way in water saving irrigation technology since its founding in 1933, Rain Bird is the world's largest manufacturer of irrigation products. Over the years, Rain Bird has produced and offered the broadest range of irrigation solutions for homes, commercial developments, golf courses, sports arenas and farms in more than 130 countries around the world.

Trust & Confidence

No other irrigation brand is as well known and trusted for use in new installations or for upgrades to improve watering efficiency. As part of our commitment to The Intelligent Use of Water™, we are always working to improve watering technology and to back our customers with training and technical support to make smart watering possible for all of us.



Support

Sprinkler System Design
800-426-7782

Technical Support
800-RAINBIRD

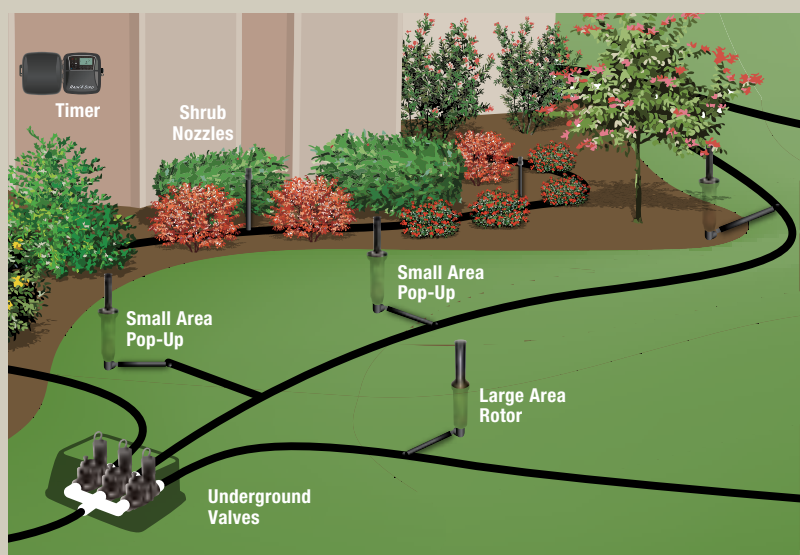
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Automatic Underground Irrigation Systems

A properly designed and maintained sprinkler system can improve the health and appearance of your landscape while conserving water. With Rain Bird components, you can be assured of:

- Newest innovations including wifi smart watering control
- Consistent watering for best growing results
- Precise coverage with less overspray waste
- Rugged, long lasting design
- Superior technical support (1-800-RAINBIRD)



Irrigation System Components



Pop-Up Spray Heads

- Use to water small lawn or shrub areas
- Available with or without nozzles, various patterns

NEW Pressure regulated (PRS) sprinklers



Gear Drive Rotors

- Use to water medium to large lawn and shrub areas
- Closed case design helps keep out dirt and debris

NEW Rotors with built-in check valves



Impact Rotors

- Use to water large lawn and shrub areas
- Ideal for reclaimed water or heavy mineral conditions



Automatic Valves

- Use to turn the water on and off to the sprinklers of each zone
- In-Line or Anti-siphon models are available
- Choose the type required by your local codes



Timers

- Use to control when and how long to water
- Timer models are available to control from 4 – 12 valves

NEW Smart irrigation Wi-Fi® timers
App control advances in new Version 2.0 smart timers



Hose-End Watering

Same high-quality Rain Bird components used in professionally installed systems

NEW In-ground sprinkler for use with your hose

NEW Professional grade garden hose



Pop-Up Sprays & Nozzles

Small to Medium Area Sprinklers



Introduction

Pop-Up Sprays
& Nozzles

Rotors

Impact Sprinklers

Timers

Valves

Accessories

Drip Irrigation

Hose End Products

Design Service



Pop-Up Sprays & Nozzles

Overview

Choice of pop-up heights from 2" to 12", spray distances from 4' – 18'

Complete interchangeability in nozzles for uniform coverage in every zone

All pop-up sprays feature an exclusive pressure-activated wiper seal to prevent leaks

Exclusive!

"HE-VAN" high efficiency nozzles provide full adjustability along with water savings

NEW

Pressure Regulated (PRS) Sprays. Complies with new 2021 guidelines in California, Washington, Colorado, Hawaii and Vermont.



Water Saving Nozzles

- 360° Dual Spray™
- 180° Dual Spray™
- 90° Dual Spray™
- High Efficiency Adjustable (HE-VAN)

Standard Nozzles (MPR)**

- Adjustable Pattern
- 360° Circle
- 180° Half Circle
- 90° Quarter Circle
- No nozzle

1800® Series Selections

	Body/Nozzle Configuration	Professional Grade	High Efficiency	Ultimate Efficiency	Page
STANDARD	MPR Nozzles	2", 3", 4", 6", 12"			4
	Body Only (no nozzle)	2", 3", 4", 6"			4
HIGH EFFICIENCY (NON-PRS)	HE-VAN Nozzles		2", 4"		5
	Dual Spray™ Nozzles		2", 3", 4"		5
PRESSURE REGULATED (PRS)	PRS + HE-VAN + Check Valve			4"	6
	PRS + HE-VAN Nozzles			2", 4"	6
	PRS + Dual Spray™ Nozzles			2", 3", 4"	6
	PRS + Standard MPR Nozzles	2", 3", 4", 6", 12"			6
	PRS Body Only (no nozzle)	2", 4"			6

*Rain Bird 1800 Series sprinklers

**Matched Precipitation Rate (MPR)

1800® SERIES SPRAYS

SETTING THE STANDARDS FOR RELIABILITY & EFFICIENCY

#1 SELLING POP-UP SPRINKLERS

- » Proven dependability, preferred by irrigation professionals.
- » Installed in more homes and commercial properties than any other brand.



Superior Coverage Uniformity

UP TO 35% WATER SAVINGS



HE-VAN High Efficiency Adjustable Nozzles

Adjustability and efficiency in one. Defined streams produce larger, wind-resistant drops that cover evenly in any pattern you set.

Available in 2" and 4" models (See page 5).



Dual Spray™ High Efficiency Fixed Pattern Nozzles

Dual orifices eliminate gaps close to the spray and minimize dry, brown spots.

Available in 2", 3" and 4" models (See page 5).

Longer Operating Life



Rugged Pressure-Activated Wiper Seal

Provides unmatched resistance to grit and high pressures, saves replacement costs.

Standard feature in all 1800 Series sprays.

Corrects for High Water Pressure

UP TO 50% WATER SAVINGS



NEW 1800 PRS Pressure Regulated Series

Built-in pressure regulator maintains optimum 30 psi water pressure at the nozzle to stop wasteful misting. Ideal for areas with fluctuating or excessively high water pressures. Complies with new 2021 guidelines in California, Washington, Colorado, Hawaii and Vermont.

Available in 2", 3", 4", 6" and 12" models (See page 6).

Prevents Drainage on Slopes



Built-in Seal-A-Matic (SAM) Check Valve (Option)

Prevents low-head drainage and puddling, ideal for use in changing elevations.

Available in 1804HEVNPR model (See page 6).



PROVEN DEPENDABILITY 1800® SERIES SPRAYS **PROFESSIONAL GRADE – STANDARD**

- » Top selling pop-up spray head in the world
- » Exclusive co-molded wiper seal avoids leaks
- » Built-in PRS pressure regulator available with select models

Features

Available with or without nozzles for installation flexibility

All nozzled models include Matched Precipitation Rate (MPR) nozzles to allow sprinklers with different patterns to be mixed on the same zone

Pop-up height: 2", 3", 4", 6" or 12"

Preferred by irrigation professionals for dependable performance

1/2" bottom inlet & side inlet on 6" or 12"



Exclusive pressure-activated wiper seal resists high pressures and grit. Heavy duty stainless spring ensures reliable retraction.



1802LN, 1804LN, 1803LN
Without nozzles
Optional pressure regulation (PRS) 2" and 4"



1802F

1803VAN

1804Q

1806AP/1812AP



Features

Professional grade sprinklers equipped with our highest efficiency nozzles

Superior coverage uniformity helps reduce run time up to 35%, conserving water

Choice of HE-VAN adjustable arc or Dual Spray™ fixed patterns

Spray distance up to 15'

Pressure range: 15 to 30 psi

1/2" bottom inlet

SUPERIOR UNIFORMITY 1800® SERIES SPRAYS HIGH EFFICIENCY – HE-VAN & DUAL SPRAY™

- » High efficiency nozzles
- » Help reduce run times up to 35%
- » Available with built-in PRS Pressure Regulator (Pg. 6)

Pop-Up Sprays
& Nozzles



HE-VAN Pop-Up Sprays

Water saving efficiency plus full 0° - 360° adjustability

Defined streams produce larger, wind-resistant drops that cover evenly in any pattern

Pop-up height: 2" or 4"



0-360°



1802
HE-VAN

1804
HE-VAN



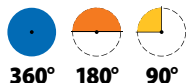
Standard

Dual Spray™ Pop-Up Sprays

Dual orifices eliminate gaps close to the spray

Minimizes dry, brown spots

Pop-up height: 2", 3" or 4"



360°

180°

90°



1802
Dual Spray™

1803
Dual Spray™

1804
Dual Spray™



Certified by
ICC-ES

Features

Built-in pressure regulator optimizes pressure for nozzle efficiency

Maintains constant 30 psi pressure to prevent misting, evaporation, wind drift, and poor uniformity

Eliminates need for separate inline pressure regulators

Ideal upgrade for older systems

Spray distance up to 15'

1/2" bottom inlet



Maximum Efficiency

1804HEVNPR model meets the water saving needs of all spray areas, regardless of changing elevation or water pressures.

Includes:

- PRS pressure regulator to stop misting
- Seal-A-Matic check valve to eliminate leaks and avoid erosion
- HE-VAN high efficiency adjustable nozzle for uniform coverage in any adjusted pattern

ULTIMATE EFFICIENCY 1800® SERIES PRESSURE REGULATED – PRS

- » Complies with new 2021 guidelines in California, Washington, Colorado, Hawaii and Vermont.
- » Up to 50% water savings
- » Choice of nozzles: high efficiency, standard MPR or bodies only



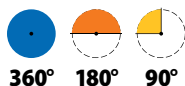
0-360°

PRS Pressure Regulated Sprays With HE-VAN Nozzles

Water saving efficiency plus full 0° - 360° adjustability

Defined streams produce larger, wind-resistant drops that cover evenly in any pattern

Pop-up height: 2" or 4"



360° 180° 90°

PRS Pressure Regulated Sprays with Dual Spray™ Nozzles

Dual orifices eliminate gaps close to the spray

Minimizes dry, brown spots

Pop-up height: 2", 3" or 4"



0-360°

PRS Pressure Regulated Sprays with Adjustable Nozzles or Bodies Only

Adjustable pattern nozzle

Bodies-only models can be used with any nozzles

Pop-up height: 2", 3", 4", 6" and 12"





HIGH EFFICIENCY, MPR, RISER MOUNTED SPRAY HEAD NOZZLES

- » Choice of efficiency ratings, spray patterns and distances for all applications
- » Filter screen included

Series + Features

HE-VAN Series, High Efficiency and Adjustable

Up to
35%
WATER
SAVINGS



- Up to 35% water savings compared to standard adjustable nozzles
- Adjustability and efficiency in one nozzle
- Large, wind-resistant drops cover evenly

Model	Pattern	Distance	Area	Flow Rate
HE-VAN-08	0-360°	6-8'	Lawn or shrubs	Low
HE-VAN-10	0-360°	8-10'		
HE-VAN-12	0-360°	9-12'		
HE-VAN-15	0-360°	12-15'		

Dual Spray™ Series



- Dual Spray nozzles for superior close-in coverage
- Saves water and eliminates brown spots
- Compatible with all Rain Bird Pop-up sprinklers

12DSF	360°	9-12'	Lawn or shrubs	Low
12DSH	180°	9-12'		
12DSQ	90°	9-12'		

MPR Series, Matched Precipitation Rate



- Even coverage
- Adjustable screw distance
- Compatible with all Rain Bird Pop-up sprinklers

18AP	0-360°	14-18'	Lawn or shrubs	Low-Medium
15AP	0-360°	12-15'		
15FC1	360°	12-15'		
15HC1	180°	12-15'		
15QC1	90°	12-15'		
15CSTC1	Center Strip	3' x 20' - 4' x 30'		
15ESTC1	End Strip	3' x 10' - 4' x 15'		
15SSTC1	Side Strip	3' x 20' - 4' x 30'		
12AP	0-360°	9-12'		
8FC1	360°	6-8'		
8HC1	180°	6-8'		
8QC1	90°	6-8'		

17 Series, Shrub Nozzles – Riser Mounted*



- MPR nozzles for even coverage
- Mounts on male 1/2" risers
- Adjustable distance screw



A17AP	0-360°	12-15'	Flowers or shrubs	Low
A17F	360°	12-15'		
A17H	180°	12-15'		
A17Q	90°	12-15'		
A17CST	Center Strip	3' x 20' - 4' x 30'		
A17EST	End Strip	3' x 10' - 4' x 15'		
A17SST	Side Strip	3' x 20' - 4' x 30'		

13 Series, Bubbler – Riser Mounted*



- Mounts on male 1/2" risers

1300	360°	1-3'	Flowers or shrubs	Medium
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*Riser mounted nozzles are not for use in California or other areas where pressure regulation is required

HE-VAN 8 Series 24° Trajectory					
Nozzle	Pressure (PSI)	Radius (Feet)	Flow (GPM)	Precip In/h	Precip In/h
	15	5	0.83	3.19	3.68
	20	6	0.96	2.56	2.95
	25	7	1.07	2.10	2.42
	30	8	1.17	1.76	2.03
	15	5	0.62	3.19	3.68
	20	6	0.72	2.56	2.95
	25	7	0.80	2.10	2.42
	15	5	0.41	3.19	3.68
	20	6	0.48	2.56	2.95
	25	7	0.53	2.10	2.42
	15	5	0.21	3.19	3.68
	20	6	0.24	2.56	2.95
	25	7	0.27	2.10	2.42
	30	8	0.29	1.76	2.03

HE-VAN 15 Series 25° Trajectory					
Nozzle	Pressure (PSI)	Radius (Feet)	Flow (GPM)	Precip In/h	Precip In/h
	15	11	2.62	2.08	2.40
	20	12	3.02	2.02	2.33
	25	14	3.38	1.66	1.92
	30	15	3.70	1.58	1.83
	15	11	1.96	2.08	2.40
	20	12	2.27	2.02	2.33
	25	14	2.53	1.66	1.92
	15	11	1.31	2.08	2.40
	20	12	1.51	2.02	2.33
	25	14	1.69	1.66	1.92
	15	11	0.65	2.08	2.40
	20	12	0.76	2.02	2.33
	25	14	0.84	1.66	1.92
	30	15	0.93	1.58	1.83

HE-VAN 10 Series 27° Trajectory					
Nozzle	Pressure (PSI)	Radius (Feet)	Flow (GPM)	Precip In/h	Precip In/h
	15	7	1.26	2.48	2.86
	20	8	1.46	2.19	2.53
	25	9	1.63	1.94	2.24
	30	10	1.78	1.72	1.98
	15	7	0.95	2.48	2.86
	20	8	1.09	2.19	2.53
	25	9	1.22	1.94	2.24
	15	7	0.63	2.48	2.86
	20	8	0.73	2.19	2.53
	25	9	0.81	1.94	2.24
	15	7	0.32	2.48	2.86
	20	8	0.36	2.19	2.53
	25	9	0.41	1.94	2.24
	30	10	0.45	1.72	1.98

Dual Spray™ 12 Series 23° Trajectory					
Nozzle	Pressure (PSI)	Radius (Feet)	Flow (GPM)	Precip In/h	Precip In/h
	15	9	1.80	2.14	2.47
	20	10	2.10	2.02	2.34
	25	11	2.40	1.91	2.21
	30	12	2.60	1.74	2.01
	15	9	0.90	2.14	2.47
	20	10	1.05	2.02	2.34
	25	11	1.20	1.91	2.21
	15	9	0.45	2.14	2.47
	20	10	0.53	2.02	2.34
	25	11	0.60	1.91	2.21
	30	12	0.65	1.74	2.01

HE-VAN 12 Series 23° Trajectory					
Nozzle	Pressure (PSI)	Radius (Feet)	Flow (GPM)	Precip In/h	Precip In/h
	15	9	1.67	1.99	2.30
	20	10	1.93	1.86	2.15
	25	11	2.16	1.72	1.99
	30	12	2.37	1.58	1.83
	15	9	1.25	1.99	2.30
	20	10	1.45	1.86	2.15
	25	11	1.62	1.72	1.99
	15	9	0.84	1.99	2.30
	20	10	0.97	1.86	2.15
	25	11	1.08	1.72	1.99
	15	9	0.42	1.99	2.30
	20	10	0.48	1.86	2.15
	25	11	0.54	1.72	1.99
	30	12	0.59	1.58	1.83

MPR Specialty Nozzles			
Nozzle	Pressure (PSI)	Radius (Feet)	Flow (GPM)
	15	4 x 13	0.45
	20	4 x 14	0.50
	25	4 x 14	0.56
	30	4 x 15	0.61
	15	4 x 26	0.89
	20	4 x 28	1.00
	25	4 x 28	1.11
	30	4 x 30	1.21
	15	4 x 26	0.89
	20	4 x 28	1.00
	25	4 x 28	1.11
	30	4 x 30	1.21

■ Square spacing based on 50% diameter of throw.
▲ Triangular spacing based on 50% diameter of throw.
Performance data collected in zero wind conditions.

* Turn nozzle screw clockwise to reduce spray distance up to 25%.

MPR 8 Series 10° Trajectory					
Nozzle	Pressure (PSI)	Radius (Feet)	Flow (GPM)	Precip In/h	Precip In/h
	15	5	0.74	2.85	3.29
	20	6	0.86	2.30	2.66
	25	7	0.96	1.89	2.18
	30	8	1.05	1.58	1.82
	15	5	0.37	2.85	3.29
	20	6	0.42	2.25	2.59
	25	7	0.47	1.85	2.13
	30	8	0.52	1.56	1.81
	15	5	0.18	2.77	3.20
	20	6	0.21	2.25	2.59
	25	7	0.24	1.89	2.18
	30	8	0.26	1.56	1.81

MPR 15 Series 30° Trajectory					
Nozzle	Pressure (PSI)	Radius (Feet)	Flow (GPM)	Precip In/h	Precip In/h
	15	11	2.60	2.07	2.39
	20	12	3.00	2.01	2.32
	25	14	3.30	1.62	1.87
	30	15	3.70	1.58	1.83
	15	11	1.30	2.07	2.39
	20	12	1.50	2.01	2.32
	25	14	1.65	1.62	1.87
	30	15	1.85	1.58	1.83
	15	11	0.65	2.07	2.39
	20	12	0.75	2.01	2.32
	25	14	0.82	1.62	1.87
	30	15	0.92	1.58	1.83

1300 Series		
Nozzle	Pressure (PSI)	Flow (GPM)
	10	1.0
	20	1.4
	30	1.7
	40	1.9
	50	2.1
	60	2.3

AP 12 Series 15° Trajectory					
Nozzle	Pressure (PSI)	Radius (Feet)	Flow (GPM)	Precip In/h	Precip In/h
	15	9	1.56	1.86	2.14
	20	10	1.86	1.79	2.06
	25	11	2.12	1.68	1.95
	30	12	2.36	1.58	1.82
	15	9	1.17	1.86	2.14
	20	10	1.39	1.79	2.06
	25	11	1.59	1.68	1.94
	30	12	1.77	1.58	1.82
	15	9	0.78	1.86	2.14
	20	10	0.93	1.79	2.06
	25	11	1.06	1.68	1.95
	30	12	1.18	1.58	1.82
	15	9	0.39	1.86	2.14
	20	10	0.46	1.79	2.06
	25	11	0.53	1.68	1.95
	30	12	0.59	1.58	1.82

AP 15 Series 23° Trajectory					
Nozzle	Pressure (PSI)	Radius (Feet)	Flow (GPM)	Precip In/h	Precip In/h
	15	11	2.60	2.07	2.39
	20	12	3.00	2.01	2.32
	25	14	3.30	1.62	1.87
	30	15	3.70	1.58	1.83
	15	11	1.95	2.07	2.39
	20	12	2.25	2.01	2.32
	25	14	2.48	1.62	1.87
	30	15	2.78	1.58	1.83
	15	11	1.30	2.07	2.39
	20	12	1.50	2.01	2.32
	25	14	1.65	1.62	1.87
	30	15	1.85	1.58	1.83
	15	11	0.65	2.07	2.39
	20	12	0.75	2.01	2.32
	25	14	0.82	1.62	1.87
	30	15	0.92	1.58	1.83

AP 18 Series 26° Trajectory					
Nozzle	Pressure (PSI)	Radius (Feet)	Flow (GPM)	Precip In/h	Precip In/h
	15	14	4.21	2.07	2.39
	20	15	4.70	2.01	2.32
	25	17	4.86	1.62	1.87
	30	18	5.32	1.58	1.83
	15	14	3.16	2.07	2.39
	20	15	3.52	2.01	2.32
	25	17	3.65	1.62	1.87
	30	18	3.99	1.58	1.83
	15	14	2.11	2.07	2.39
	20	15	2.35	2.01	2.32
	25	17	2.43	1.62	1.87
	30	18	2.66	1.58	1.83
	15	14	1.05	2.07	2.39
	20	15	1.17	2.01	2.32
	25	17	1.22	1.62	1.87
	30	18	1.33	1.58	1.83

■ Square spacing based on 50% diameter of throw.
▲ Triangular spacing based on 50% diameter of throw.
Performance data collected in zero wind conditions.

* Turn nozzle screw clockwise to reduce spray distance up to 25%.

		Model	Feature	Pop Up Height	Spray Pattern	Spray Distance	Case Pack	
1800® SERIES HIGH EFFICIENCY ADJUSTABLE PATTERN HE-VAN								
		1804HEVNPR	Pressure Regulator, High Efficiency & Check Valve	4"	0–360°	12'–15'	25	
		1804HV15PR	Pressure Regulator & High Efficiency	4"	0–360°	12'–15'	18	
		1802HEVN15	High Efficiency	2"	0–360°	12'–15'	18	
		1802HV15PR	Pressure Regulator & High Efficiency	2"	0–360°	12'–15'	18	
		1804HEVN15	High Efficiency	4"	0–360°	12'–15'	18	
1800® SERIES HIGH EFFICIENCY FIXED PATTERN DUAL SPRAY								
		1802FDS		2"	360°	12'–15'	18	
		1802FDSPRS	Pressure Regulator	2"	360°	12'–15'	18	
		1802HDS		2"	180°	12'–15'	18	
		1802HDSPRS	Pressure Regulator	2"	180°	12'–15'	18	
		1802QDS		2"	90°	12'–15'	18	
		1802QDSPRS	Pressure Regulator	2"	90°	12'–15'	18	
			1803DSF		3"	360°	12'–15'	18
			1803FDSPRS	Pressure Regulator	3"	360°	12'–15'	18
		1803DSH		3"	180°	12'–15'	18	
		1803HDSPRS	Pressure Regulator	3"	180°	12'–15'	18	
		1803DSQ		3"	90°	12'–15'	18	
		1803QDSPRS	Pressure Regulator	3"	90°	12'–15'	18	
			1804FDS		4"	360°	12'–15'	18
			1804FDS-25		4"	360°	12'–15'	25
1804FDSP25			Pressure Regulator	4"	360°	12'–15'	25	
		1804HDS		4"	180°	12'–15'	18	
		1804HDS-25		4"	180°	12'–15'	25	
		1804HDSP25	Pressure Regulator	4"	180°	12'–15'	25	
		1804QDS		4"	90°	12'–15'	18	
		1804QDS-25		4"	90°	12'–15'	25	
		1804QDSP25	Pressure Regulator	4"	90°	12'–15'	25	

		Model	Feature	Pop Up Height	Spray Pattern	Spray Distance	Case Pack
1800° SERIES		PROFESSIONAL GRADE - STANDARD					
		1802F		2"	360°	12'-15'	18
		1802F-25		2"	360°	12'-15'	25
		1802H		2"	180°	12'-15'	18
		1802H-25		2"	180°	12'-15'	25
		1802Q		2"	90°	12'-15'	18
		1802Q-25		2"	90°	12'-15'	25
		1802AP4		2"	0-360°	4'	18
		1802AP4PRS	Pressure Regulator	2"	0-360°	4'	18
		1802AP8		2"	0-360°	8'	18
		1802AP8PRS	Pressure Regulator	2"	0-360°	8'	18
		1802VANS		2"	0-360°	12'-15'	18
		1802APPRS	Pressure Regulator	2"	0-360°	12'-15'	18
		1804FS		4"	360°	12'-15'	18
		1804F-25		4"	360°	12'-15'	25
		1804HS		4"	180°	12'-15'	18
		1804H-25		4"	180°	12'-15'	25
		1804QS		4"	90°	12'-15'	18
		1804Q-25		4"	90°	12'-15'	25
		1804AP4		4"	0-360°	3'-4'	18
		1804AP4PRS	Pressure Regulator	4"	0-360°	3'-4'	18
		1804AP8		4"	0-360°	6'-8'	18
		1804AP8PRS	Pressure Regulator	4"	0-360°	6'-8'	18
		1804VANS		4"	0-360°	12'-15'	18
		1804AP-25		4"	0-360°	12'-15'	25
		1806AP		6"	0-360°	12'-15'	24
		1806APPRS	Pressure Regulator				
		1812AP		12"	0-360°	12'-15'	24
		1812APPRS	Pressure Regulator				

	Model	Feature	Pop Up Height	Spray Pattern	Spray Distance	Case Pack
1800° SERIES LESS NOZZLES (LN)						
	1802LN 1802LNPRS		2"	–	–	36
	1803LN		3"	–	–	36
	1804LN 1804LNS 1804LNPRS		4" 4" 4"	– – –	– – –	36 18 36
	1806LNS		6"	–	–	18
HE-VAN NOZZLES HIGH EFFICIENCY ADJUSTABLE PATTERN						
	HE-VAN08			6'–8'	0–360°	25
	HE-VAN10			8'–10'	0–360°	25
	HE-VAN12			9'–12'	0–360°	25
	HE-VAN15			12'–15'	0–360°	25
DUAL SPRAY™ NOZZLES HIGH EFFICIENCY FIXED PATTERN						
	12DSF			9'–12'	360°	25
	12DSH			9'–12'	180°	25
	12DHQ			9'–12'	90°	25

	Model	Nozzle Distance	Pattern	Case Pack
MPR NOZZLES MATCHED PRECIPITATION RATE				
 	8FC1	6'-8'	360°	25
 	8HC1	6'-8'	180°	25
 	8QC1	6'-8'	90°	25
 	12AP	9'-12'	0-360°	25
 	15FC1	12'-15'	360°	25
 	15HC1	12'-15'	180°	25
 	15QC1	12'-15'	90°	25
 	15AP	12'-15'	0-360°	25
 	18AP	14'-18'	0-360°	25
MPR NOZZLES SPECIAL PATTERN				
 	15CSTC1	4' x 30'	Center Strip	25
 	15ESTC1	4' x 15'	End Strip	25
 	15SSTC1	4' x 30'	Side Strip	25

Pop-Up Sprays
& Nozzles

		Model	Nozzle Distance	Pattern	Case Pack
17 SERIES		SHRUB NOZZLES			
		A17F	12'-15'	360°	25
		A17H	12'-15'	180°	25
		A17Q	12'-15'	90°	25
		A17AP	12'-15'	0-360°	25
13 SERIES		BUBBLER			
		1300	1'-3'	360° Bubbler	25

2 Simple Repairs To Restore Sprinkler Operation And Save Water

REPLACE A BROKEN SPRAY HEAD

Problems:

- The sprinkler's top cap and stem are damaged by cars or mowers.
- The sprinkler's stem will not pop up or retract properly.
- The underground connection may also be damaged (visible after removing soil around the head).

Solution:



1 Turn off water to the zone and carefully remove dirt around the sprinkler. Take care in not damaging any underground pipe or fittings.



2 Unscrew the old head. TIP: Check the threaded riser or other connector under the head. If it is also damaged, remove more soil to expose the entire fitting. Replace with with proper fitting thread and length.



3 Clean the threads and apply Teflon® tape to the male connector. Then screw on the new head.



4 Pull up stem and remove nozzle. Rain Bird Stem Pull-Up Tool PTC-1 shown (page 50).



5 Turn on water to flushing the head.



6 Replace nozzle and smooth dirt around the head.

REPLACE SPRINKLER NOZZLE ONLY

Problems:

- Sprinkler isn't covering the desired area – dry, brown grass visible
- Sprinkler is overwatering sidewalks or buildings
- You wish to convert to water-saving nozzles

Solution:



1 Pull up sprinkler stem by hand or using the Rain Bird tool (PTC1, page 50).



2 Remove old nozzle and filter screen.



3 Purchase a new nozzle with proper pattern and throw distance. See selection guide, page 7. Insert new filter screen screw on the new nozzle. (Hand tighten only.)



4 Activate the zone and adjust watering coverage. Follow instructions on the package to adjust spray direction and pattern.

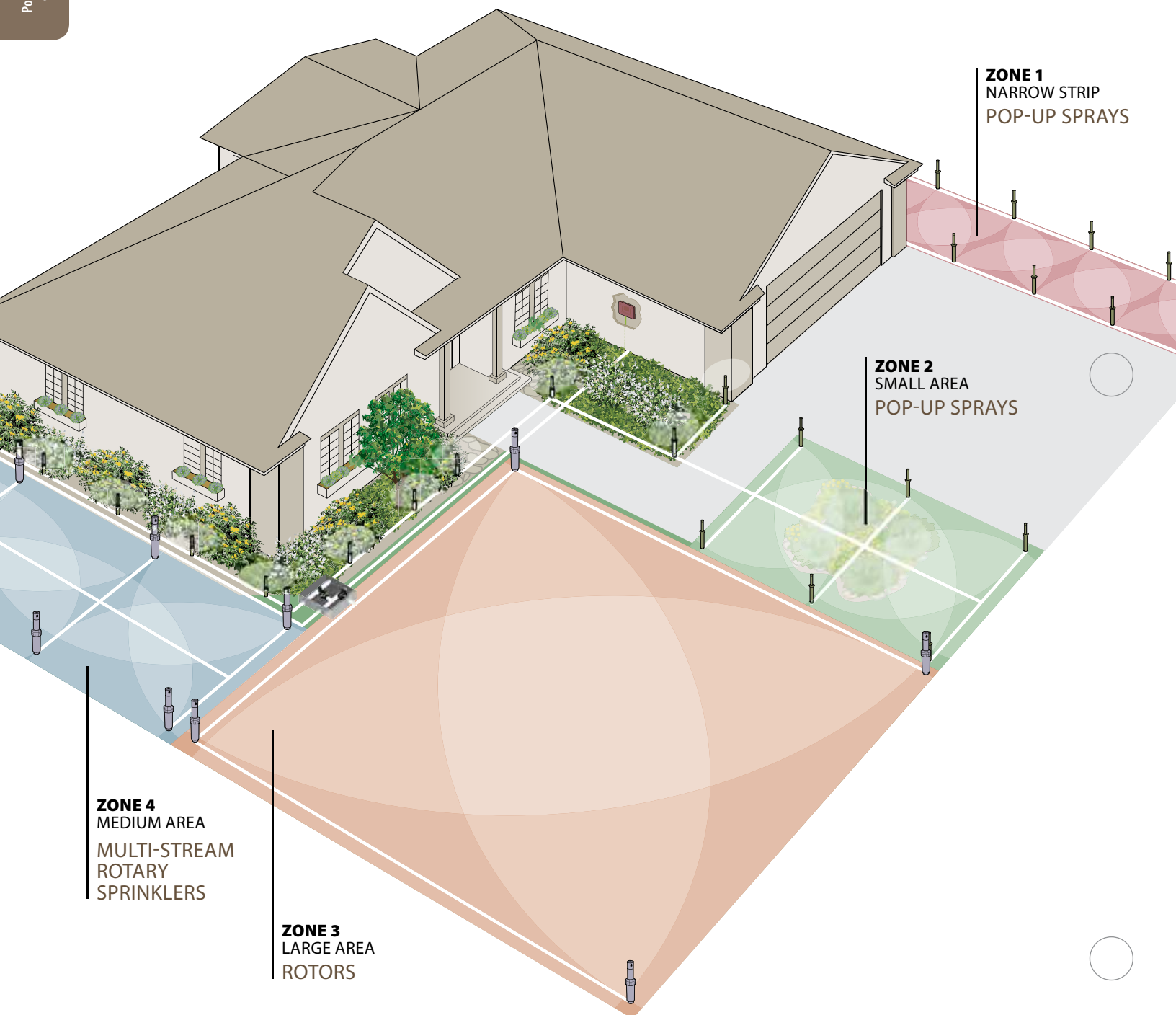


5 Adjust spray distance.

A Typical Residential Underground Sprinkler System

To ensure that proper amounts of water are applied in all sections of the lawn, use sprinklers matched to the coverage area. Small areas can be watered with pop-up sprays rated for 8 to 15 feet throw distance. For medium areas from 13 to 24 feet, use multi-stream rotary sprinklers. And larger areas up to 50 feet are best served with rotors and impact sprinklers. For assistance with sprinkler selection and general system design, take advantage of the free Rain Bird Design Service (page 107).

Pop-Up Sprays
& Nozzles





Rotors and Rotary Sprinklers

Rugged, long-life sprinklers with superior water distribution



Introduction

Pop-Up Sprays
& Nozzles

Rotors

Impact Sprinklers

Timers

Valves

Accessories

Drip Irrigation

Hose End Products

Design Service



Rotors and Rotary Sprinklers

Featuring Rain Curtain™ Nozzle Technology

Only Rain Bird rotors provide the exceptional watering uniformity of Rain Curtain™ nozzle technology.

Overview

Choice of gear drive rotors or multi-stream rotary sprinklers

Throw distances range from 8' to 50'

Preferred by irrigation professionals, Rain Bird closed-case design keeps out dirt and debris, even in harsh service such as sandy soil

"SA" Series rotors feature simple adjustments for rotor arc and distance, keeping water on the grass and not on the sidewalk or driveway



Competitive rotor with uneven water delivery

Rain Curtain advantages include:

Larger droplets fall exactly where you want them, reducing windblown overspray waste

Enhanced close-in coverage eliminates dry brown spots near the rotor

Shorter cycle times reduce overall water use and save on your water bill



Spray Head Selections	Rotary Sprinklers			Simple Adjust Rotors					
Model Prefix	8SA	12SA	22SA	32SA	3504	42SA+	42SA+PRSCP	5004	52SA
Spray Arc (Pattern)	360°, 45°–270°			40°–360°					
Maximum Throw Distance	14'	18'	24'	32'	32'	38'	38'	38'	50'
Special Features					Extra Nozzles		Pressure Regulating	Extra Nozzles	Stainless Steel Shaft
Page	21	21	21	19	20	19	19	20	19



Features

Water lubricated gear-driven mechanism for quiet operation and long life

Simple top adjustment for arc and distance

All models pre-installed with a 3.0 GPM nozzle

Other nozzles available (Page 23-24):

- Order 32SANZLPK for 32SA
- Order 4252NZLPK for 42SA+ and 52SA

Non-potable identified models also available with purple caps



42SA+ Pressure Regulating Rotor

Reduces or eliminates misting and fogging due to high inlet pressure

Eliminates head-to-head pressure variations

Improves distribution uniformity by operating at optimum pressure (45 psi)

42SA+PRSCP

GEAR-DRIVE ROTORS

32SA, 42SA+ AND 52SA

- » Medium to large areas up to 50' radius
- » True 4" pop-up height
- » Reversing full and part circle rotation from 40° to 360°

Operating Specifications

	32SA	42SA+ 42SA+PRSCP	52SA
Spacing:	19' to 32'	26' to 38'	25' to 50'
Pressure Range:	25 to 55 psi	25 to 65 psi	35 to 55 psi
Inlet:	1/2" bottom	3/4" bottom	3/4" bottom

MODEL	SPRAY DISTANCE	PATTERN
32SA		
32SA/2PK	19'–32'	40°–360° Adjustable
32SA/4PK		
42SA+		
42SA/2PK	26'–38'	40°–360° Adjustable
42SA/4PK		
NEW 42SA+NP		
NEW 42SA+PRSCP		
52SA	25'–50'	40°–360° Adjustable



32SA

42SA+

52SA

2 Packs



4 Packs





PROFESSIONAL GRADE ROTORS 3504 AND 5004

- » Medium areas up to 38' radius
- » Durable rubber top cover
- » Extra nozzles allow balancing flow rates on the zone and adjusting rotor trajectory

Operating Specifications

	3504	5004
Spacing:	19' to 32'	26' to 38'
Pressure Range:	25 to 55 psi	25 to 65 psi
Inlet:	1/2" bottom	3/4" bottom

MODEL	SPRAY DISTANCE	PATTERN
3504	19' – 32'	40° – 360° Adjustable
5004	26' – 38'	40° – 360° Adjustable

Features

Dual action, positive stop wiper seal protects internals from debris and assures positive pop-up and retraction

Reversing part circle rotation from 40° to 360°

Water lubricated gear-driven mechanism for quiet operation and long life

Arc is factory preset at 180 degrees for installation convenience

Simple top adjustment to increase or decrease arc and spray distance

Both models include a pre-installed 3.0 GPM nozzle



Radius adjustment screw allows up to 25% reduction of throw distance without changing nozzles.

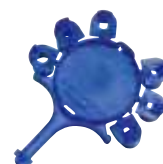


5004

3504

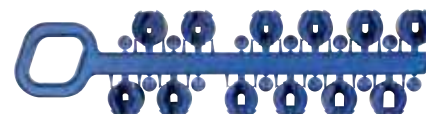
Extra 3504 rotor nozzles included:

(1) 0.75, (1) 1.0, (1) 1.5, (1) 2.0,
(1) 3.0 and (1) 4.0 GPM



Extra 5004 rotor nozzles included:

(4) Low Angle 1.0 – 3.0
(4) Low Flow 1.5 – 3.0 GPM
(4) Standard 4.0 – 8.0 GPM





Features

Multiple rotating streams distribute water uniformly

Slow distribution rate of 0.6 inches per hour is ideal for newly seeded areas and slopes

Pressure-activated wiper seal protects mechanism from creeping grasses and sandy soil

1/2" bottom inlet



Variable arc rotary sprinklers combine watering efficiency with the simplicity of 45°–270° pattern adjustment by hand, with no tools required.



Pull up nozzle cap to flush debris

MULTI-STREAM ROTARY SPRINKLERS 8SA, 12SA AND 22SA

- » Up to 30% water savings compared to pop-up sprays
- » Small areas up to 24' radius
- » 4" pop-up height

Operating Specifications

	8SA	12SA	22SA
Spacing:	8' to 14'	13' to 18'	17' to 24'
Pressure Range:	30 to 55 psi	30 to 55 psi	30 to 55 psi
Recommended Operating Pressure:	45 psi	45 psi	45 psi
Adjustments:	Arc and radius can be hand adjusted while water is running		

PRESSURE-REGULATED SERIES

- PRS regulator stem stops high-pressure misting
- Optimized pressure for best nozzle performance

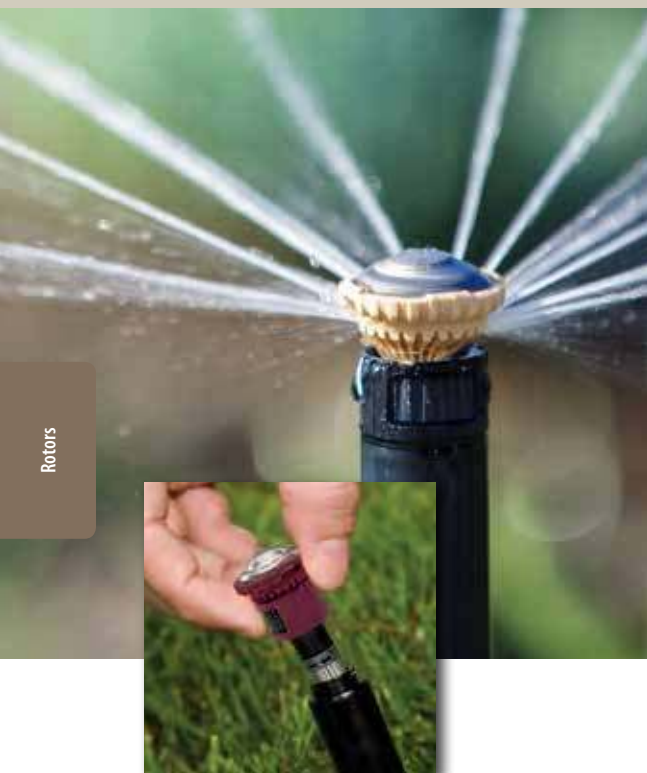
	ITEM ID	SPRAY DISTANCE	POP UP HEIGHT	PATTERN
NEW	8SAFPROPR	8' – 14'	4"	360°
NEW	8SAPROPR	8' – 14'	4"	45°–270°
NEW	12SAFPROPR	13' – 18'	4"	360°
NEW	12SAPROPR	13' – 18'	4"	45°–270°
NEW	22SAFPROPR	17' – 24'	4"	360°
NEW	22SAPROPR	17' – 24'	4"	45°–270°

STANDARD MULTI-STREAM ROTARY SPRINKLERS

Small areas up to 24' radius

	ITEM ID	SPRAY DISTANCE	POP UP HEIGHT	PATTERN
NEW	8SAFPRO	8' – 14'	4"	360°
NEW	8SARVAPRO	8' – 14'	4"	45°–270°
NEW	12SAFRO	13' – 18'	4"	360°
NEW	12SARVAPRO	13' – 18'	4"	45°–270°
NEW	22SAFRO	17' – 24'	4"	360°
NEW	22SARVAPRO	17' – 24'	4"	45°–270°





MULTI-STREAM ROTARY NOZZLES 14RN, 18RN AND 24RN

- » Up to 30% water savings compared to standard spray nozzles
- » Use with Rain Bird rotary sprinklers or pop-up spray heads
- » Simple upgrade for spray zones with excessive runoff or dry, brown spots
- » Includes nozzle and filter screen

	ITEM ID	SPRAY DISTANCE	COLOR	PATTERN
NEW	14RNFPRO	8' – 14'	Periwinkle	360°
NEW	14RNVAPRO	8' – 14'	Periwinkle	45° – 270°
NEW	18RNFPRO	13' – 18'	Goldenrod	360°
NEW	18RNVAPRO	13' – 18'	Goldenrod	45° – 270°
NEW	24RNFPRO	17' – 24'	Burgundy	360°
NEW	24RNVAPRO	17' – 24'	Burgundy	45° – 270°

14RN Series Nozzles

Nozzle	Pressure (PSI)	Radius (Feet)	Flow (GPM)
	30	13	1.10
	35	13	1.12
	40	14	1.22
	45	14	1.27
	50	15	1.41
	55	15	1.45
	30	13	0.28–0.84
	35	13	0.29–0.87
	40	14	0.31–0.92
	45	14	0.32–0.94
	50	15	0.37–1.11
	55	15	0.39–1.17

18RN Series Nozzles

Nozzle	Pressure (PSI)	Radius (Feet)	Flow (GPM)
	30	16	1.65
	35	16	1.67
	40	17	1.80
	45	17	1.85
	50	18	2.05
	55	18	2.11
	30	16	0.42–1.26
	35	16	0.47–1.35
	40	17	0.50–1.42
	45	17	0.50–1.51
	50	18	0.54–1.57
	55	18	0.58–1.62

24RN Series Nozzles

Nozzle	Pressure (PSI)	Radius (Feet)	Flow (GPM)
	30	19	2.35
	35	20	2.52
	40	22	3.13
	45	23	3.48
	50	24	3.61
	55	24	3.74
	30	19	0.60–1.80
	35	20	0.65–1.95
	40	22	0.77–2.31
	45	23	0.84–2.52
	50	24	0.94–2.82
	55	24	0.96–2.88



14RNFPRO, 14RNVAPRO



18RNFPRO, 18RNVAPRO



24RNFPRO, 24RNVAPRO

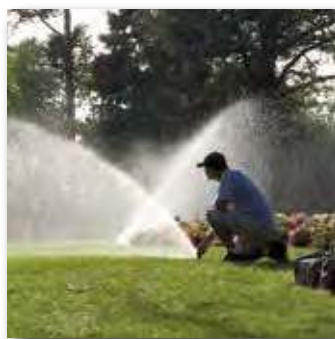


GEAR-DRIVE ROTORS NOZZLE SETS

- » Repair or fine-tune coverage for a healthier lawn
- » Easily change flow rates to even out the amount of water being sprayed between rotors that are set for different patterns
- » Customize flow for particular conditions such as slopes or low water pressure
- » Clear tree branches or adjust for windy conditions with low angle nozzles

Rotors

MODEL	FOR MODELS	NOZZLES INCLUDED
32SANZLPK	32SA & 3504 Rotors	Standard Nozzles: 2.0, 3.0, 4.0 Low Flow: 0.75, 1.0, 1.5
4252NZLPK	42SA+ & 52SA Rotors	Standard Nozzles: 4.0, 5.0, 6.0, 8.0 Low Flow: 1.5, 2.0, 2.5, 3.0 Low Angle: 1.0, 1.5, 2.0, 3.0



32SA Nozzles

Pressure (PSI)	Nozzle	Radius (Feet)	Flow (GPM)
25	0.75	15	0.5
	1.0	20	0.8
	1.5	23	1.1
	2.0	27	1.4
	3.0	29	2.2
	4.0	31	3.0
45	0.75	17	0.8
	1.0	21	1.1
	1.5	24	1.5
	2.0	27	1.9
	3.0	30	3.0
	4.0	35	4.1
55	0.75	18	0.9
	1.0	22	1.2
	1.5	24	1.7
	2.0	28	2.2
	3.0	32	3.3
	4.0	35	4.6



32SANZLPK

42SA+ Nozzles – Standard

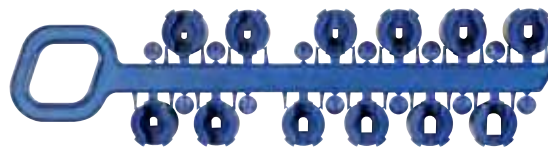
Pressure (PSI)	Nozzle	Radius (Feet)	Flow (GPM)
25	1.5	33	1.1
	2.0	35	1.5
	2.5	35	1.8
	3.0	36	2.3
	4.0	37	2.9
	5.0	39	3.7
	6.0	39	4.2
35	8.0	36	5.9
	1.5	34	1.3
	2.0	36	1.8
	2.5	37	2.2
	3.0	38	2.7
	4.0	40	3.5
	5.0	41	4.5
45	6.0	43	5.2
	8.0	43	7.1
	1.5	35	1.5
	2.0	37	2.5
	2.5	37	3.1
	3.0	40	3.1
	4.0	42	4.0
55	5.0	45	5.1
	6.0	46	6.0
	8.0	47	8.0
	1.5	35	1.7
	2.0	37	2.3
	2.5	37	2.8
	3.0	40	3.5
65	4.0	42	4.4
	5.0	45	5.7
	6.0	47	6.6
	8.0	50	8.9
	1.5	34	1.9
	2.0	35	2.5
	2.5	37	3.0
	3.0	40	3.8
	4.0	42	4.8
	5.0	45	6.2
	6.0	48	7.2
	8.0	50	9.7

42SA+ Nozzles – Low Angle

Pressure (PSI)	Nozzle	Radius (Feet)	Flow (GPM)
25	1.0	25	0.7
	1.5	27	1.1
	2.0	28	1.5
	3.0	29	2.2
35	1.0	28	0.9
	1.5	30	1.4
	2.0	31	1.8
	3.0	33	2.7
45	1.0	29	1.0
	1.5	31	1.6
	2.0	32	2.0
	3.0	35	3.1
55	1.0	29	1.1
	1.5	31	1.8
	2.0	33	2.2
	3.0	36	3.4
65	1.0	29	1.2
	1.5	31	2.0
	2.0	33	2.4
	3.0	36	3.7

52SA Nozzles

Pressure (PSI)	Nozzle	Radius (Feet)	Flow (GPM)
35	1.5	34	1.35
	2.0	36	1.81
	2.5	37	2.17
	3.0	38	2.71
	4.0	40	3.50
	5.0	41	4.47
	6.0	43	5.23
45	8.0	43	7.06
	1.5	35	1.54
	2.0	37	2.07
	2.5	37	2.51
	3.0	40	3.09
	4.0	42	4.01
	5.0	45	5.09
55	6.0	46	6.01
	8.0	47	8.03
	1.5	35	1.71
	2.0	37	2.30
	2.5	37	2.76
	3.0	40	3.47
	4.0	42	4.44
	5.0	45	5.66
	6.0	47	6.63
	8.0	50	8.86



4252+NZLPK

	Item ID	Model	Height	Pattern	Pop Up Distance	UPC	Per Pack	Per Case
NEW 	W11101	8SAFPRO	4"	360°	8' – 14'	077985079772	1	14
NEW 	W11100	8SARVAPRO	4"	45°–270°	8' – 14'	077985079765	1	14
NEW 	W11105	8SAFPROPR Pressure Regulated	4"	360°	8' – 14'	077985079833	1	14
NEW 	W11104	8SAPROPR Pressure Regulated	4"	45°–270°	8' – 14'	077985079826	1	14
NEW 	W12101	12SAFPRO	4"	360°	13' – 18'	077985079796	1	14
NEW 	W12100	12SARVAPRO	4"	45°–270°	13' – 18'	077985079789	1	14
NEW 	W12105	12SAFPROPR Pressure Regulated	4"	360°	13' – 18'	077985079857	1	14
NEW 	W12104	12SAPROPR Pressure Regulated	4"	45°–270°	13' – 18'	077985079840	1	14
NEW 	W22101	22SAFPRO	4"	360°	17' – 24'	077985079819	1	14
NEW 	W22100	22SARVAPRO	4"	45°–270°	17' – 24'	077985079802	1	14
NEW 	W22105	22SAFPROPR Pressure Regulated	4"	360°	17' – 24'	077985079871	1	14
NEW 	W22104	22SAPROPR Pressure Regulated	4"	45°–270°	17' – 24'	077985079864	1	14

	Item ID	Model	Height	Pattern	Pop Up Distance	UPC	Per Pack	Per Case
GEAR-DRIVE ROTORS								
	W32001	32SA	4"	40°–360° Adjustable	19'–32'	077985000417	1	24
	W32001T	32SA	4"	40°–360° Adjustable	19'–32'	077985000417	1	24
	W32009	32SAS	4"	40°–360° Adjustable	19'–32'	077985000417	1	24
	W32012	32SAN (NOM)	4"	40°–360° Adjustable	19'–32'	077985000417	1	24
	W32020	32SA/4PK	4"	40°–360° Adjustable	19'–32'	077985007904	4	5
	?	32SA/4PKS	4"	40°–360° Adjustable	19'–32'	077985007904	4	5
	W42003T	42SA	4"	40°–360° Adjustable	26'–38'	077985000936	1	28
	W42122	42SA 2PKQP	4"	40°–360° Adjustable	26'–38'	077985000936	1	28
	W42003	42SA+	4"	40°–360° Adjustable	26'–38'	077985000936	1	28
	W42015	42SA+N	4"	40°–360° Adjustable	26'–38'	077985000936	1	28
	W42018	42SA+NP	4"	40°–360° Adjustable	26'–38'	077985081997	1	28
	W42023	42SA+PRSCP	4"	40°–360° Adjustable	26'–38'	077985000936	1	28
	W42003F	42SA+ROTOR	4"	40°–360° Adjustable	26'–38'	077985000936	1	28
	W42005	42SA+S	4"	40°–360° Adjustable	26'–38'	077985000936	1	28
	W42122F	42SA2PK QP	4"	40°–360° Adjustable	26'–38'	077985000936	1	28
	W42020	42SA+/4PK	4"	40°–360° Adjustable	26'–38'	077985007867	4	5
	W42021	42SA+/4PKS	4"	40°–360° Adjustable	26'–38'	077985007867	4	5
	W52000	52SA	4"	40°–360° Adjustable	25'–50'	077985004675	1	12
	W52000T	52SA	4"	40°–360° Adjustable	25'–50'	077985004675	1	12
	W52001	52SAS	4"	40°–360° Adjustable	25'–50'	077985004675	1	12
PROFESSIONAL GRADE ROTORS								
	W35000	3504	4"	40°–360° Adjustable	19'–32'	077985026660	1	20
	W35001	CP350012PK	4"	40°–360° Adjustable	19'–32'	077985026660	12	1
	W50000	5004	4"	40°–360° Adjustable	26'–38'	077985026653	1	20
	W52002	CP500012PK	4"	40°–360° Adjustable	26'–38'	077985026653	12	1

	Item ID	Model	Height	Pattern	Pop Up Distance	UPC	Per Pack	Per Case
NOZZLES MULTI-STREAM ROTARY								
 	W11103	14RNFPRO	–	360°	8'–14'	077985079895	1	25
 	W12102	14RNVAPRO	–	45–270°	8'–14'	077985079888	1	25
 	W12103	18RNFPRO	–	360°	13'–18'	077985079918	1	25
 	W12102	18RNVAPRO	–	45–270°	13'–18'	077985079901	1	25
 	W22103	24RNFPRO	–	360°	17'–24'	077985079932	1	25
 	W22102	24RNVAPRO	–	45–270°	17'–24'	077985079925	1	25
NOZZLE SETS GEAR DRIVE ROTORS								
	W32005	32SANZLPK	Replacement Nozzle Set	–	–	077985003838	1	24
	W32004	32SANZLPS	Replacement Nozzle Set	–	–	077985003838	1	?
	W42011	4252NZLPK	Replacement Nozzle Set	–	–	077985005979	1	8
	W42013	4252NZLPS	Replacement Nozzle Set	–	–	077985005979	1	?

Sprinkler Head Spacing



SMALL AREAS

Pop-Up Sprinklers

Pattern	Water Pressure psi	Flow GPM	Spray Distance
	15 Low	2.6	11 ft.
	20 Average	3.0	12 ft.
	30 High	3.7	15 ft.

Pattern	Water Pressure psi	Flow GPM	Spray Distance
	15 Low	1.3	11 ft.
	20 Average	1.5	12 ft.
	30 High	1.85	15 ft.

Pattern	Water Pressure psi	Flow GPM	Spray Distance
	15 Low	0.65	11 ft.
	20 Average	0.75	12 ft.
	30 High	0.92	15 ft.

Rotary Nozzles

Pattern	Water Pressure psi	Flow GPM	Spray Distance
	30 Low	2.35	19 ft.
	45 Average	3.48	23 ft.
	55 High	3.74	24 ft.

MEDIUM AREAS

Mid-Range Rotors

32SA Gear Drive Rotor

Adjustable Pattern	Water Pressure psi	Flow GPM	Spray Distance
	25 Low	2.2	29 ft.
	45 Average	3.0	30 ft.
	55 High	3.3	32 ft.

3 GPM Nozzle

Adjustable Pattern	Water Pressure psi	Flow GPM	Spray Distance
	25 Low	1.1	29 ft.
	45 Average	1.5	30 ft.
	55 High	1.65	32 ft.

3 GPM Nozzle

Adjustable Pattern	Water Pressure psi	Flow GPM	Spray Distance
	25 Low	0.65	29 ft.
	45 Average	0.75	30 ft.
	55 High	0.83	32 ft.

3 GPM Nozzle



LARGE AREAS

Long-Range Rotors

42SA+ Gear Drive Rotor

Adjustable Pattern	Water Pressure psi	Flow GPM	Spray Distance
	25 Low	2.3	36 ft.
	45 Average	3.1	38 ft.
	55 High	3.8	40 ft.

3 GPM Nozzle

Adjustable Pattern	Water Pressure psi	Flow GPM	Spray Distance
	25 Low	1.15	36 ft.
	45 Average	1.55	38 ft.
	55 High	1.69	40 ft.

3 GPM Nozzle

Adjustable Pattern	Water Pressure psi	Flow GPM	Spray Distance
	25 Low	0.58	36 ft.
	45 Average	0.78	38 ft.
	55 High	0.95	40 ft.

3 GPM Nozzle

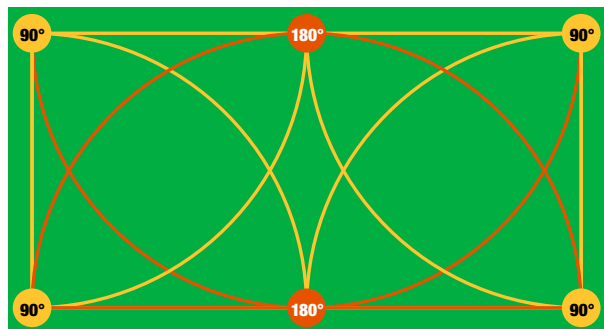


Tip: Change nozzle to balance flow of rotors adjusted to different patterns.

EXAMPLES

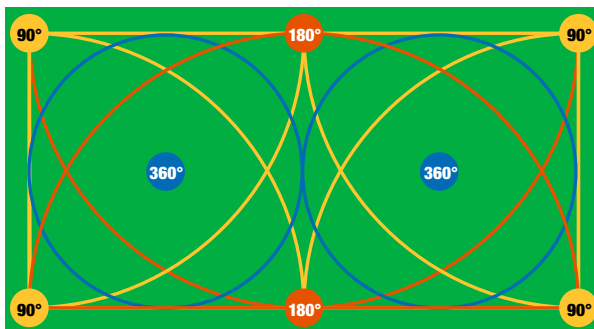
For Optimal Results Use Head-To-Head Coverage

Head-To-Head coverage means the maximum spray distance touches the next sprinkler.



Standard Spacing

Home Water Pressure: High



Close Spacing

Home Water Pressure: Low



Impact Sprinklers

Heavy Duty Performance



Introduction

Pop-Up Sprays
& Nozzles

Rotors

Impact Sprinklers

Timers

Valves

Accessories

Drip Irrigation

Hose End Products

Design Service



Impact Sprinklers

Featuring straight-through flow design for superior performance in hard water

- Traditional watering favorite with classic impact sound
- Throw distances up to 45'

Overview

Full and part circle adjustment

Water-Saving PJ™ spray-guiding arm prevents side splash

Diffuser screw breaks water into smaller droplets for uniform watering and up to 25% radius reduction



Replace the internal mechanism of in-ground impact sprinklers without digging.

Shown: Rain Bird tool 420644TLWR used with AG-5 sprinkler.



	In Ground		Riser Mounted		
Model Prefix	AG-5	LG-3	P5R	25-PJDA-C	35-ADJ-TNT-B
Pop-up Height	3"	3"	—	—	—
Spray Distance	0–45'	0–41'	0–45'	0–41'	0–50'
Pattern	360°, 20°–340°	0–360°	0–360°	20–360°	0–360°
Connection	1/2" or 3/4"	1/2"	1/2"	1/2"	3/4"
Water Saving Nozzles	4 included	—	—	—	—
Page	31	31	32	32	32



IN-GROUND IMPACT SPRINKLERS

AG-5 Maxi Paw

Spacing: 24'-45'

Pressure range: 25 to 60 psi

3" pop-up height

Heavy duty rolled lip case design assures proper installation height, helps keep vegetation from growing into head

Includes 5 interchangeable nozzles for watering flexibility

No tools needed to change nozzles

1/2" and 3/4" universal bottom inlet plus 1/2" side inlet



360°



20°-360°



AG-5 Standard Angle Nozzles

Impact Sprinklers



LG-3 Mini Paw

Spacing: 26'-41'

Pressure range: 25 to 60 psi

3" pop-up height

Double-weighted arm for slower rotation and increased distance of throw

Retracts out of sight for high traffic areas

1/2" side and bottom inlets



360°



20°-360°





Impact Sprinklers

Riser mounted models clear taller plants.

RISER MOUNTED IMPACT SPRINKLERS

- » Choice of heavy duty brass and stainless steel designs or popular polymer heads
- » Straight-through flow for superior dirty water performance
- » Traditional favorite for watering lawns and large gardens
- » Throw distances up to 50'
- » Full and part circle adjustable coverage

35-ADJ-TNT-B

Spacing: 23' – 50'

Pressure range: 25 – 50 psi

High flow output

Heavy duty brass and steel construction for long life

3/4" male pipe thread connection



25-PJDA-C

Spacing: 20' – 41'

Pressure range: 25 – 50 psi

Brass, bronze and stainless steel construction

1/2" male pipe thread connection



P5R P5R+

Spacing: 25' – 45'

Pressure range: 25 – 50 psi

Same slow-rotation design as in Rain Bird brass impact sprinklers

P5R+ model includes four nozzles to adjust flow

1/2" male pipe thread connection



P5R+ Standard Angle Nozzles

AG-5 Maxi-Paw					
Pressure (PSI)	Nozzle	Radius (Feet)	Flow (GPM)	Precip In/h	Precip In/h
25	06	-	-	-	-
	07	32	2.2	0.41	0.48
	08	35	2.8	0.44	0.51
	10	38	4.2	0.56	0.65
	12	39	5.5	0.70	0.80
35	06	37	2.0	0.28	0.32
	07	37	2.7	0.38	0.44
	08	38	3.3	0.44	0.51
	10	41	4.8	0.55	0.64
	12	42	6.3	0.69	0.79
45	06	38	2.3	0.31	0.35
	07	39	3.0	0.38	0.44
	08	40	3.7	0.45	0.51
	10	42	5.4	0.59	0.68
	12	44	7.1	0.71	0.82
55	06	38	2.5	0.33	0.39
	07	41	3.3	0.38	0.44
	08	41	4.1	0.47	0.54
	10	43	6.0	0.62	0.72
	12	45	7.9	0.75	0.87
60	06	38	2.6	0.35	0.40
	07	41	3.5	0.40	0.46
	08	42	4.2	0.46	0.53
	10	44	6.4	0.64	0.74
	12	45	8.4	0.80	0.92

LG-3 Mini Paw					
Pressure (PSI)	Nozzle	Radius (Feet)	Flow (GPM)	Precip In/h	Precip In/h
25	-	35	2.8	0.44	0.51
35	-	38	3.3	0.44	0.51
45	-	40	3.7	0.45	0.51
55	-	41	4.1	0.47	0.54
60	-	42	4.2	0.46	0.53

35A-ADJ-TNT-B					
Pressure (PSI)	Nozzle	Radius (Feet)	Flow (GPM)	Precip In/h	Precip In/h
30	-	44	5.5	0.55	0.63
40	-	47	6.4	0.56	0.64
50	-	49	7.2	0.58	0.67
60	-	51	7.8	0.58	0.67

25PJDA-C					
Pressure (PSI)	Radius (Feet)	Flow (GPM)	Pressure (Bars)	Radius (Meters)	m ³ /h
25	38	3.4	2,0	11,5	0,69
30	39	3.8	2,5	11,7	0,78
40	40	4.4	3,0	11,9	0,85
50	41	5.0	3,5	12,2	0,92

P5R					
Pressure (PSI)	Radius (Feet)	Flow (GPM)	Pressure (Bars)	Radius (Meters)	m ³ /h
25	35	2.8	2,0	11,0	0,68
35	38	3.3	2,5	11,7	0,78
45	40	3.7	3,0	12,1	0,83
55	41	4.1	3,5	12,5	0,89

P5R+						
Pressure (PSI)	Nozzle	Radius (Feet)	Flow (GPM)	Pressure (Bars)	Radius (Meters)	m³/h
25	06	-	-	1,7	-	-
	07	32	2.2	1,7	9,7	0,50
	08	35	2.8	1,7	10,7	0,64
	10	38	4.2	1,7	11,6	0,95
	12	39	5.5	1,7	11,9	1,25
35	06	37	2.0	2,4	11,3	0,45
	07	37	2.7	2,4	11,3	0,61
	08	38	3.3	2,4	11,6	0,75
	10	41	4.8	2,4	12,5	1,09
	12	42	6.3	2,4	12,8	1,43
45	06	38	2.3	3,1	11,6	0,52
	07	39	3.0	3,1	11,9	0,68
	08	40	3.7	3,1	12,2	0,84
	10	42	5.4	3,1	12,8	1,23
	12	44	7.1	3,1	13,4	1,61

Precipitation rates based on half-circle operation
 ■ Square spacing based on 50% diameter of throw.
 ▲ Triangular spacing based on 50% diameter of throw.
 Performance data collected in zero wind conditions.

	Item ID	Model	Pop-Up	Pattern	Pop Up Distance	Product Dimensions (W x H x D) inches	UPC	Per Pack	Per Case
IN-GROUND IMPACT SPRINKLERS									
	B45296	AG-5 Maxi-Paw®	3"	360° or	24'–45'	5 x 9.38 x 5	077985452100	1	12
	B45294	AG5 8PK		20°–340°				1	8
	B45194	LG-3 Mini-Paw®	3"	360° or	26'–41'	4.06 x 8.5 x 4.06	077985451004	1	12
	B45190	LG-3 8PK		20°–340°				1	8
RISER MOUNTED IMPACT SPRINKLERS									
	A38890	35-ADJ-TNT-B	3"	360° or 20°–340°	23'–50'	4.12 x 4.25 x 2	077985389505	1	7
	A31896	25-PJDA-C	3"	360° or 20°–340°	20'–41'	6.5 x 6 x 2.12	077985318000	1	7
	A30200	P5R	3"	360° or 20°–340°	25'–45'	4.38 x 4.5 x 2.38	077985003159	1	7
	A30230	P5R+	3"	360° or 20°–340°	25'–45'	4.38 x 4.5 x 2.38	077985007591	1	7
IMPACT SPRINKLER WRENCH									
	B41875	420644TLWR	–	–	–	8 x 6.75 x 2.88	077985418663	1	4

See Also: *Hose End, Spiked Impact Sprinklers on Page 100*

	C06010	25PJLSP Brass Impact on Spike
	C06110	P5RLSP Plastic Impact on Spike



Irrigation Timers

Ultimate Watering Precision And Programming Simplicity



Introduction

Pop-Up Sprays
& Nozzles

Rotors

Impact Sprinklers

Timers

Valves

Accessories

Drip Irrigation

Hose End Products

Design Service



Timers

One-Touch Seasonal Adjustments

Use the SST Series timer’s simple presets to increase water in hot, dry months and reduce it in rainy seasons.

Superior Surge Protection

All Rain Bird timers have built-in protection against power surges, a leading cause of timer damage.

Irrigation Timers

Featuring Rain Bird Zone-Based Scheduling

With all Rain Bird timers, you can easily customize watering for each area of the lawn and landscaping. This simple programming is the most effective way to save water and get greener results. Other timers require setting two or more zones on the same watering program. That just wastes water and isn’t ideal for plants.

Overview

Choice of new WiFi enabled ST8-2.0 Series or simple-to-set SST Series timers

Models available for indoor or outdoor mounting, up to 12 controlled zones

Compatible with all major valve and sprinkler brands

Loaded with user friendly features to manage any residential or light commercial system

Advantages of Zone-Based Scheduling

Match plant moisture needs with a specific watering plan for grass, shrubs, gardens and other areas

Water slopes or clay soils in short intervals to allow water to soak in, avoiding runoff

Irrigate full sun sections more often than shade areas for best growing results

Set pop-up spray zones to water for shorter periods than rotors and impact sprinklers that have lower flow rates

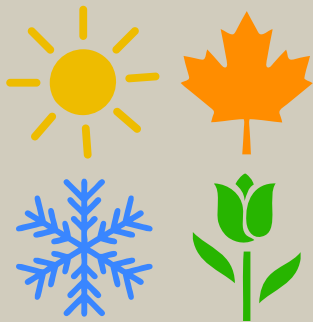


Series	Smart Irrigation WiFi Timers			Simple-To-Set (SST)			
Models	ST8I-2.0	ST8O-2.0	SST400in	SST600in	SST900in	SST600out	SST1200out
Zones	8	8	4	6	9	6	12
Mounting Location	Indoor	Indoor/Outdoor	Indoor		Indoor/Outdoor		
Special Features	SmartPhone App	SmartPhone App					
Page	37-39	37-39	40-41		40-41		

Smart Watering Made Simple

RAIN BIRD WIFI SMART IRRIGATION TECHNOLOGY

Put control of your sprinkler system in the palm of your hand with a Smart Irrigation WiFi timer from Rain Bird. It replaces any standard timer, using the same zone wires. Just mount it and connect it to your home's wifi. A free Rain Bird app for your mobile device will walk you through programming. The timer will take it from there, self adjusting all season.



Weather Intelligent

Avoids overwatering as weather and seasons change



Always Connected

Exclusive 3-way control allows connection from a mobile device to the timer through a wifi network, direct from a mobile device to the timer when in range, or through the timer front panel



Greener Results

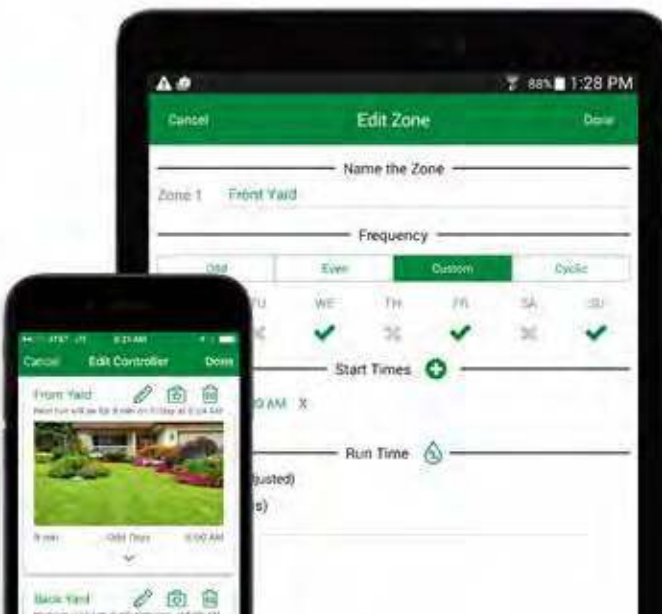
Keep your yard healthy with moisture applied at the right frequency and timing for each area



Less Water

Save on your water bill with automatic adjustments plus mobile monitoring and control.

Timers



STAY IN TOUCH

Whether you are outside in the garden or away from home, you're always connected to your yard with the Rain Bird app. Customize it for your specific needs:

- » Upload photos of your watering areas and name them for easy programming reference.
- » Set multiple start times and unique watering durations for each zone.
- » Control one property or multiple properties, all from the same app.
- » Enable notifications to let you know exactly what's happening – freeze warning alerts, rain delays, seasonal adjustment % and more.



Timers

Features

Simple setup using your mobile phone or tablet

Just enter a starting schedule for each area (zone) of the lawn and let the timer take care of watering adjustments all season

If it has rained recently, the timer's weather-intelligent technology will cancel or reduce watering as needed

Adjustable watering delay from 1 – 14 days

In dry months, the timer will increase watering to keep plants green and healthy

Cyclical scheduling flexibility — water up to 6 times per day in 1 to 29 day cycles



Certified by ICC-ES.
When used with local
Rain Sensor

SMART IRRIGATION WiFi TIMERS

- » Control up to 8 zones
- » Choice of indoor or indoor/outdoor models
- » Professional app control features preferred by irrigation contractors: zone-based scheduling plus the ability to add more timers for multiple properties

Control Using The App, Voice Commands Or The Timer's Panel

Seasonal Adjust

Increase or decrease watering duration (Run Times) for all Zones.

Water Now

Start watering immediately for all Zones in sequence, or for any single Zone.

Off Cancel all active watering immediately and disable automatic irrigation.

Auto Watering occurs automatically according to programmed schedules.

Date/Time Set the current Date and Time.

Watering Schedule Create customized irrigation schedules to run automatically at specific times, durations and intervals.

Display Screen

Displays programming information and irrigation status.



Next/Back Buttons

Select programming options.

+ or – Buttons
Adjust program settings.





Indoor
ST8I-2.0
8 ZONE



Indoor/Outdoor
ST8O-2.0
8 ZONE

WiFi Timer Operating Specifications

Station timing: 0 to 199 min

Seasonal Adjust; -90% to +100%

Independent schedule per zone

6 Start Times per zone

Program Day Cycles include Custom days of the week, Odd, Even, & Cyclical dates

Manual Watering SINGLE zone

Manual Watering ALL zones

Electrical Specifications

Input required: 120 VAC $\pm$ 10%, 60Hz

Output: 24 VAC 650mA

Power back-up: 2 x AAA batteries maintain time and date while nonvolatile memory maintains the programming

Comes with a transformer power plug

Certifications

UL, cUL

May be rebate eligible from your local water agency.



Scan to view installation video:
wifi.rainbird.com

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Timers



Download the free Rain Bird app and start enjoying a greener lawn while conserving water.



New Version 2.0 Features

- More customization of manual watering with the App
- Improved water usage statistics and reporting
- Watering shut-off for forecasted rain
- Easily copy one zone schedule to other zones in the App
- App controlled system On/Shutoff
- Schedule change notifications
- Increased Rain Bird App efficiency
- EPA WaterSense™ certified

NEW
Features

SIMPLE-TO-SET SST TIMERS

- » Our most popular timers, now with enhanced programming features
- » Large easy-to-read screen, status lights and simple zone-based scheduling

Lighted Scheduling Buttons

Review your settings any time by turning dial to each zone. Lighted buttons indicate watering events by day, times per day and other settings



NEW Advanced "Cyclic" setting

Gives you the option to skip 1 to 29 days between each watering cycle

Features

More control! Easily customize your watering for each area of the lawn, garden and landscaping

Just turn the programming dial to a zone and follow prompts to set watering start times, days and duration

Rain Delay settings up to 72 hours

Seasonal adjust (%) for worry free watering all season

Superior surge protection for long life

Battery backup saves your program in the event of power outage

Choice of indoor and indoor/outdoor models, up to 12 zones



Scan to view installation video:
<http://www.rainbird.com/homeowner/support/timers/SST-Outdoor.htm>



SST400in
4 ZONE

SST600in
6 ZONE

SST900in
9 ZONE

SST Indoor Timers

Choice of 4, 6 or 9 zones	Water saving programming
Drip compatible	Use with rain sensor (optional)
Pump control relay	Master valve control
120VAC	
Includes 6 ft power cord with transformer	



SST600out
6 ZONE

SST1200out
12 ZONE

SST Indoor/Outdoor Timers

Choice of 9 or 12 zones	Water saving programming
Drip compatible	Use with rain sensor (optional)
Pump control relay	Master valve control
120VAC	
Includes 6 ft power cord with transformer. Hard wire installation by user is optional.	



CPRSDBEX

Rain Sensor

Stops unnecessary watering when it rains.
Connects with wire to any Rain Bird or other 24VAC irrigation timer
Mounts to roof, fence, gutter or other outside surface



Timers

	Item ID	Model	Zones	Mounting	Product Dimensions (W x H x D)	UPC	Per Pack	Per Case
SMART IRRIGATION		WIFI TIMERS						
	C53109	ST8I-2.0	8	Indoor	6.25" x 6.25" x 1.54"	077985042264	1	3
	C53209	ST8O-2.0	8	Indoor/Outdoor	7.88" x 7.88" x 3.25"	077985042271	1	2
SIMPLE-TO-SET		SST TIMERS						
	C50407	SST400in	4	Indoor	10.4" x 7" x 3"	077985004644	1	3
	C50607	SST600in	6	Indoor	10.4" x 7" x 3"	077985004651	1	3
	C50907	SST900in	9	Indoor	10.4" x 7" x 3"	077985004668	1	3
	C51607	SST600out	6	Indoor/Outdoor	10" x 9" x 7.5"	077985006358	1	2
	C51127	SST1200out	12	Indoor/Outdoor	10" x 9" x 7.5"	077985006365	1	2
TIMER ACCESSORIES								
	N97010	CPRSDBEX Rain Sensor	–	Outdoor	16.7" x 10" x 4.4"	077985020286	1	5
	N95301	UT-1 Replacement Transformer for SST and ST8 Indoor Series Timers	–	Indoor	5" x 4" x 3"	077985999667	1	6



Irrigation Valves

Heavy Duty, Long Lasting



Introduction

Pop-Up Sprays
& Nozzles

Rotors

Impact Sprinklers

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Design Service



Irrigation Valves

Featuring the toughest, most reliable performance in their class

Overview

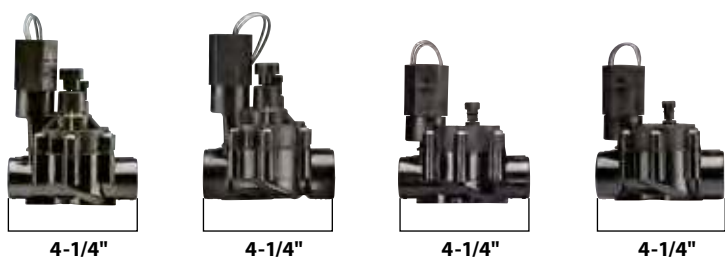
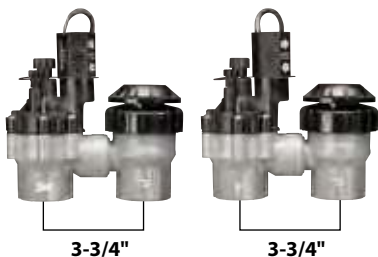
Full range of models for above or below ground mounting

Available flow control allows adjusting each zone for optimized sprinkler output and reduced misting

Featuring Rain Bird Dependability

Designed for long lasting performance that is well known to irrigation pros, these heavy duty valves stand up to power surges and simply run longer without replacing parts. Key to that low-maintenance reputation are two important Rain Bird differences: (1) the valves' unique reverse flow path design that works dependably while placing less stress on the valve diaphragm, and (2) a heavy duty, encapsulated solenoid that resists power surges for trouble-free operation.

Valves



Type	Anti-Siphon (above ground)		In-Line (in ground)			
Model	DASASVF075	DASASVF100	CPF075	CPF100	CP075	CP100
Pipe Thread	3/4"	1"	3/4"	1"	3/4"	1"
Flow Control		●		●		
Top Screws		●		●		●
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ANTI-SIPHON VALVES PROFESSIONAL GRADE

- » Combination irrigation control valve and atmospheric backflow prevention in one unit
- » Flow control allows fine tuning of the zone for best sprinkler efficiency

Models

DASASVF075	3/4" Anti-Siphon Valve	Flow Control
DASASVF100	1" Anti-Siphon Valve	Flow Control

Features

- Manual bleed screw to flush dirt and debris during installation and startup
- Heavy duty solenoid resists power surges
- Straight-through flow prolongs diaphragm life
- Exclusive fail-safe design avoids flooding if diaphragm is damaged
- Stainless steel top screws
- Works with all standard irrigation timers





IN-LINE VALVES HEAVY DUTY

- » Flow control models allows fine tuning of the zone for best sprinkler efficiency
- » In-Line design is intended for installation with a pressure vacuum breaker (PVB) or double check valve as required by codes

Models

CPF075	3/4" In-Line Valve	Flow Control
CPF100	1" In-Line Valve	Flow Control
CP075	3/4" In-Line Valve	
CP100	1" In-Line Valve	

Features

- Reliable, non-clogging design
- Manual bleed screw to flush dirt and debris during installation and startup
- Heavy duty solenoid resists power surges
- Straight-through flow prolongs diaphragm life
- Exclusive fail-safe design avoids flooding if diaphragm is damaged
- Stainless steel top screws
- Works with all standard irrigation timers



Advantages

- Repair and replacement cost savings over the life of your system
- Less chance of leaks and flooding due to valve failure
- Water savings made possible by Flow Control Models, improving sprinkler efficiency

	Item ID	Model	Pipe Thread	Flow Control	Product Dimensions (W x H x D) inches	UPC	Per Pack	Per Case
ANTI-SIPHON VALVES PROFESSIONAL GRADE								
	B60601	DASASVF075	3/4" FPT	●	7 x 6.38 x 3	077985606107	1	5
	B60602	DASASVF100	1" FPT	●	7 x 6.38 x 3	077985451004	1	5
IN-LINE VALVES SCREW TOP								
	B61187	CPF075	3/4" FPT	●	4.25 x 5.62 x 3	077985611958	1	5
	B61287	CPF100	1" FPT	●	4.38 x 5.62 x 3	077985612955	1	5
	B60020	CP075	3/4" FPT		4.38 x 4.75 x 3	077985600006	1	5
	B60111	CP100	1" FPT		4.38 x 4.75 x 3	077985610005	1	5
VALVE ACCESSORIES & REPLACEMENT PARTS								
	B60599	SRKCP/CPF Replacement Solenoid	–	–	1.38 x 2.31 x 1.38	077985999308	1	5
	B36330	DRKJTVCP Replacement Diaphragm For JTV Valves	–	–	2.38 x 2.38 x 1	077985002084	1	5
	B60488	DRKCP/CPF Replacement Diaphragm For CP/DV/DAS Valves	–	–	3 x 3 x 0.5	07798504004	1	5
	N90300	WPCONN10 Waterproof Wire Connectors	–	–	0.25 x 0.88 x 0.25	077985013370	10	6

Common Valve Repairs For DIYers

Irrigation valves provide the essential function of receiving electrical signals from the system timer to turn each watering zone on and off. Because valves work with low 24 VAC voltage and are not generally subjected to high physical abuse, they do not require frequent maintenance. When needed, there are some preventative maintenance steps as well as repairs that can be done easily by the homeowner.



Preventative Maintenance

Flush valves to clear internal small debris.

Do this when valve is first installed as well as annually thereafter.

- Open the bleed screw and allow water to flush for 1 full minute



Restore Valve Closing Function

SYMPTOM:
Water is not shutting off in the zone.

This may be caused by large debris caught inside the valve or by a ruptured diaphragm.

SOLUTION:
Remove bonnet, inspect and clean the valve chamber.

- Turn on water to the zone and flush the valve.
- Insert new diaphragm if necessary (Page 47).
- Finish by reinstalling the top bonnet.



Restore Valve Opening Function

SYMPTOM:
Water is not flowing in the zone.

Potential cause is a failed valve solenoid due to an electrical disturbance such as lightning.

SOLUTION:
Replace the valve solenoid.

- Take a picture of the wire connections before removing the wire caps.
- Unscrew the old solenoid and replace it with a new one.

Note: Solenoid model SRKCP/CF (Page 47) can be used with any Rain Bird residential valve.

- Finish by reattaching the system wires.



Accessories

Automatic Sprinkler Systems



Introduction

Pop-Up Sprays
& Nozzles

Rotors

Impact Sprinklers

Timers

Valves

Accessories

Drip Irrigation

Hose End Products

Design Service

Accessories



AUTOMATIC SPRINKLER SYSTEMS
TOOLS

» Repair and maintain sprinklers with less need for digging.*
Assure peak watering efficiency and coverage.

*If existing sprinkler case is not damaged

Spray Head Pull Up Tool

Pull up and clamp the sprinkler stem to replace nozzles

Corrosion resistant steel

PTC1



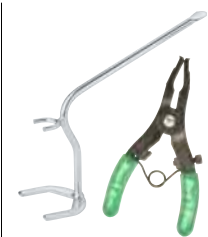
Impact Sprinkler Wrench

Remove and replace the sprinkler internal assembly

Use with Rain Bird LG, AG, and MG series impact sprinklers

420644TLWR

Accessories



	Tools	Risers	Swing Pipe	Valve Boxes	Accessories
Page	50	51	52	53	54



AUTOMATIC SPRINKLER SYSTEMS RISERS

- » Connect sprinkler heads, drip manifolds and other watering devices
- » Use taller risers to elevate watering of large shrubs and plants
- » Use nipples and cutoff risers to connect sprinklers to water supply pipe

1/2" Risers

	RISER12	12" PVC Riser
NEW	RISER6	6" PVC Riser
	RISER3	3" PVC Riser
	RISER2	2" PVC Riser
	RISERCLO5	Close PVC Riser
	RISERCO6	6" Cut-Off Riser



RISER12



RISERCO6

3/4" Risers

	RISERCL075	Close PVC Riser
	RISERCO075	6" Cut-Off Riser
NEW	RISER12075	12" PVC Riser
NEW	RISER6_075	6" PVC Riser
NEW	RISER3_075	3" PVC Riser
NEW	RISER2_075	2" PVC Riser



1" Risers

NEW	RISER6_100	6" PVC Riser
NEW	RISER2_100	2" PVC Riser
NEW	RISERCL100	Close PVC Riser





AUTOMATIC SPRINKLER SYSTEMS SWING PIPE & FITTINGS

- » Fast, easy positioning of sprinkler heads at grade level
- » Flexible connection absorbs ground movement, reduces leaks
- » Textured tubing surface provides sure grip when inserting fittings
- » Spiral barbed fittings screw in for leaktight assembly

Swing Pipe

SWGP50	50' Swing Pipe
SWG100	100' Swing Pipe
SWGP2	24" Swing Pipe
SWGP18INS	18" Swing Pipe

Swing Pipe Assemblies

SA5	6" x 1/2" x 1/2"
NEW 12SA5S	12" x 1/2" x 1/2"
SA6S	6" x 1/2" x 3/4"
NEW 12SA6SS	12" x 1/2" x 3/4"
SA7S	6" x 3/4" x 3/4"



Swing Pipe Fittings

SWGA050	1/2" MNPT Adapter
SWGE10B SWGE10	1/2" MNPT Elbow 10PK
SWGF050	1/2" FNPT Elbow
SWGS50B SWGS050S10	1/2" Swing Joint Elbow 10PK
SWGA075	3/4" MNPT Adapter
SWGE075B SWGE075	3/4" MNPT Elbow 10PK
SWGS75B	3/4" Swing Joint Elbow
SWGCPLG SWGCPLG10	Barbed Coupling 10 PK
SWGT1-2TEE	Barbed Tee



SWGP50



SWG100



SWGP2



SWGP18INS



AUTOMATIC SPRINKLER SYSTEMS
VALVE BOXES

- » High strength boxes for 1 to 3 valves.
- » Side knockouts for pipe placement
- » On 12" boxes, the knockouts also slide back into place to keep backfill out of the box
- » Black with green lids. Made from 100 percent recycled materials

Valve Boxes		Top Dimensions (W x L) inches	Bottom Dimensions (W x H x D) inches
VBRND7	7" Round	6.6 x 6.6	9.75 x 9.75 x 9
VBRND10	10" Round	8.9 x 8.9	11.9 x 11.9 x 10
VBREC12	12" Rectangle	9.4 x 14.5	23.13 x 19.25 x 12



VBRND10



Shovel access slot for easy removal of lid



VBREC12

VBRND7

VBRND10

AUTOMATIC SPRINKLER SYSTEMS ACCESSORIES

» Add professional installation touches to improve efficiency and operating convenience of your irrigation system

Accessories

CPRSDBEX	Wired Rain Sensor	
16AFDVC1	1/2" Filtered Drain Valve	
P2A	Pressure Gauge	
UT1	Universal Transformer	
WPCONN10	Waterproof Wire Connectors	10 PK
1800NPCAP	Non-Potable Purple Spray Cap	



CPRSDBEX



Snap onto the top of 1800® Series and other sprinklers to identify non-potable water

1800NPCAP



16AFDVC1



P2A



UT1



WPCONN10

	Item ID	Model	Description	Product Dimensions (W x H x D) inches	UPC	Per Pack	Per Case
TOOLS							
	N89900	PTC1	Spray Head Pull Up Tool	5.75 x 3 x 0.5	077985001407	1	12
	B41875	420644TLWR	Impact Sprinkler Wrench	8 x 6.75 x 2.88	077985418663	1	4
RISERS							
	N47207	RISER12	1/2" MPT x 12" PVC Riser	11.75 x 0.88 x 0.69	077985380915	1	25
	N47218	RISER6	1/2" MPT x 6" PVC Riser	6 x 0.88 x 0.69	077985058531	1	50
	N47203	RISER3	1/2" MPT x 3" PVC Riser	3 x 0.88 x 0.69	077985380830	1	25
	N47202	RISER2	1/2" MPT x 2" PVC Riser	2 x 0.69 x 0.69	077985380823	1	25
	N47201	RISERCLOS	1/2" MPT Nipple	1 x 0.5 x 0.5	077985380816	1	25
	N47200	RISERCO6	1/2" MPT x 6" Cut-Off Riser	5.88 x 0.94 x 0.88	077985370695	1	25
	N47212	RISERCL075	Close PVC Riser - 3/4"	1.44 x 1.06 x 1.06	077985058487	1	50
	N47209	RISERCO075	3/4" MPT x 6" Cut-Off Riser	6.25 x 1.25 x 1.06	077985019778	1	25
	N47213	RISER12075	3/4" MPT x 12" PVC Riser	12 x 1 x 1	077985058494	1	15
	N47215	RISER6_075	3/4" MPT x 6" PVC Riser	6 x 1.31 x 1.25	077985058586	1	25

	Item ID	Model	Description	Product Dimensions (W x H x D) inches	UPC	Per Pack	Per Case
	N47217	RISER3_075	3/4" MPT x 3" PVC Riser	3 x 1.06 x 1	077985058524	1	25
	N47219	RISER2_075	3/4" MPT x 2" PVC Riser	2 x 1.06 x 1	077985058548	1	40
	N47211	RISER6_100	1" MPT x 6" PVC Riser	6 x 1.31 x 1.25	077985058470	1	18
	N47216	RISER2_100	1" MPT x 2" PVC Riser	2 x 1.38 x 1.25	077985058517	1	25
	N47220	RISERCL100	Close PVC Riser - 1"	1.5 x 1.31 x 1.25	077985058555	1	30
SWING PIPE							
	N89502	SWGP50	Swing Pipe, 50' coil	50' x 0.69 x 0.69	077985013028	1	5
	N89500	SWG100	Swing Pipe, 100' coil	100' x 0.69 x 0.69	077985172558	1	4
	A17300	SWGP2	Swing Pipe, 24"	24 x 0.69 x 0.69	077985466008	1	50
	N89503	SWGP18INS	Swing Pipe, 18"	18 x 0.69 x 0.69	077985039219	1	8
SWING PIPE FITTINGS							
	A17080	SA5	Swing Assembly, 6"	8.31 x 3.38 x 1.13	077985180102	1	12
	A50911	12SA55	Swing Assembly, 12"	14.19 x 3.38 x 1.13	077985040802	1	8
	A17081	SA65	Swing Assembly, 6"	8.19 x 4.13 x 1.39	077985891053	1	12

	Item ID	Model	Description	Product Dimensions (W x H x D) inches	UPC	Per Pack	Per Case
	A50912	12SA65S	Swing Assembly, 12"	12.06 x 4.13 x 1.39	077985040819	1	8
	A17082	SA75	Swing Assembly, 6"	8.13 x 3.75 x 1.39	077985891060	1	12
	A17086 A50864	SWGA050 SWGA050S	Swing Pipe - 1/2" MNPT Adapter	2.13 x 0.81 x 0.81	077985867027	1 1	100 36
	A17087 A50865	SWGA075 SWGA075S	Swing Pipe - 3/4" MNPT Adapter	2.13 x 1 x 1.06	077985867034	1 1	100 36
	A17097 A17094 A50867	SWGE075 SWGE075B SWGE075S	Swing Pipe - 3/4" MNPT Elbow	2.13 x 1.5 x 1	077985170103 077985170110 077985170110	10 1 1	10 100 36
	A17096 A17092 A50920 A50866	SWGE10 SWGE10B SWGE050B SWGE050S	Swing Pipe - 1/2" MNPT Elbow	2.13 x 1.5 x 0.81	077985467005 077985467012 077985040994 077985467012	10 1 10 1	10 100 10 36
	A17085 A50933	SWGF050	Swing Pipe - 1/2" FNPT Elbow	2.25 x 1.06 x 1.13	077985867010 077985041052	1 1	100 50
	A50923 A17084	SWGCPLG10 SWGCPLG	Swing Pipe Coupling	2.12 x 0.5 x 0.56	077985041038 077985867058	10 1	10 100
	A17083 A50931	SWGT1/2TEE	Swing Pipe Tee	2.75 x 1.69 x 0.56	077985867041 077985041007	1 1	100 26
	A50868	SWGS050S	1/2" MNPT Swing Joint Elbow	2 x 1.5 x 1.13	077985039226	1	36
	A50869	SWGS075S	3/4" MNPT Swing Joint Elbow	2.31 x 1.81 x 1.39	077985039233	1	20

	Item ID	Model	Description	Product Dimensions (W x H x D) inches	UPC	Per Pack	Per Case
VALVE BOXES							
	N96001	VBRND7	7" Round Valve Box	9.75 x 9.75 x 9 Top: 6.6 x 6.6	077985013844	1	1
	N96002	VBRND10	10" Round Valve Box	11.9 x 11.9 x 10 Top: 8.9 x 8.9	077985013837	1	1
	N96003	VBREC12	12" Rectangle Valve Box	23.13 x 19.25 x 12 Top: 9.4 x 14.5	077985013851	1	1
ACCESSORIES							
	N97010	CPRSDBEX	Wired Rain Sensor	16.7 x 10 x 4.4	077985020286	1	5
	B40511	16AFDVC1	1/2" Filtered Drain Valve	1.38 x 1 x 1.31	077985403508	1	25
	N89100	P2A	Water Pressure Gauge	2.06 x 3.69 x 1.31	077985168018	1	12
	N95301	UT1	SST Timer Replacement Transformer	5 x 4 x 3	077985999667	1	6
	N90300	WPCONN10	Waterproof Wire Connects	0.44 x 0.88 x 0.44	077985013370	10	6
	A51243	1800NPCAP	Non-Potable Purple Spray Cap	2.44 x 2.44 x 0.63	077985081973	5	25



Drip Irrigation

Beautiful landscaping and gardens with less water



Introduction

Pop-Up Sprays
& Nozzles

Rotors

Impact Sprinklers

Timers

Valves

Accessories

Drip Irrigation

Hose End Products

Design Service



Drip Irrigation

Drip Irrigation

Precise, low-volume watering at the root zone

Drip irrigation uses micro watering devices placed near each plant. It installs easily on the surface without digging. Just run tubing from a faucet or other water source to your planting area, then attach your choice of watering devices.

TOP 4 BENEFITS OF DRIP IRRIGATION

Greener, healthier plants

Promotes plant budding and produces longer lasting, colorful blooms



Up to 80% water savings

Eliminates wasteful overspray and runoff of overhead sprays and hose end sprinkling



Less weeding

Waters the plants, not the surrounding soil



Easy to automate

Enjoy extra convenience and peace of mind by adding a Rain Bird timer



Selection

Water Connections	Pg 62
Tubing and Fittings	Pg 66
Drippers	Pg 72
Micro Sprays	Pg 75
Kits	Pg 78
Selection Guide	Pg 82

WHERE TO USE DRIP IRRIGATION



Vegetable Gardens & Mixed Planting Beds



Flower Boxes & Containers



Shrubs, Trees & Dense Planting Areas



Ground Cover & Narrow Planting Areas



Ferns & Tropical Plants



FEATURING RAIN BIRD® END-TO-END WATERING UNIFORMITY FOR BEST GROWING RESULTS

With Rain Bird pressure-compensating drippers and micro sprays, all plants receive the moisture amounts you intend. The devices deliver consistent flow whether positioned at the beginning or near the end of the watering layout, even on slopes.

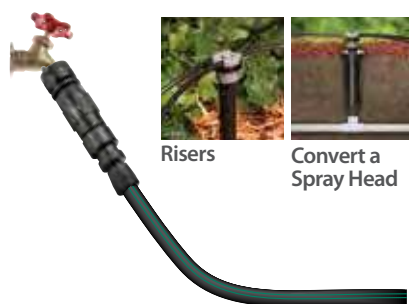
Advantages of pressure compensating technology:

- » Predictable watering wherever you need it
- » Healthier, greener plants throughout the garden and landscaping

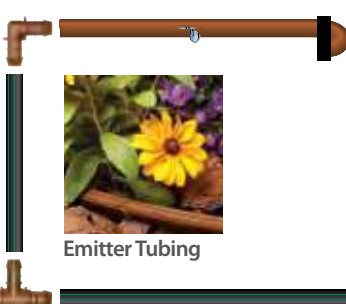
DRIP IRRIGATION IN 3 EASY STEPS

Easy-to-shop color coded packaging

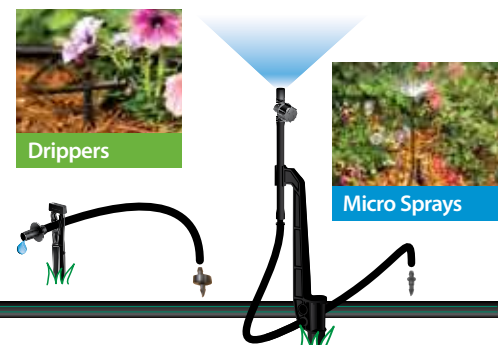
STEP 1 Connect to Water Source



STEP 2 Run Tubing to Plants



STEP 3 Attach Watering Devices





For best flow control from a faucet, choose the FCKIT-1PK kit (top), an all-in-one kit with backflow preventer, 25 PSI regulator, a 150 mesh filter and adapter for 1/2" or 5/8" drip tubing.



Automate your watering with the Rain Bird Easy To Program Hose End Timer.

1ZEHTMR
Pg 67

WATER CONNECTIONS FAUCET

- » Simplest connections for any drip zone
- » Ensure reliable operation of your drip system with properly regulated and filtered flow from an outside faucet

Faucet & Hose Thread Adapters, Regulators & Filters

FCKIT-1PK	Faucet Connection Kit
EF075FHTS	Adapter 3/4" Hose Thread Adapter to 1/2" & 5/8" Tubing
NEW QL075FHTX	Quick Lock Adapter for 5/8" Tubing
NEW CA075620X	Compression Adapter 3/4" Hose Thread to 1/2" (0.620" O.D.) Tubing
NEW CA075700X	Compression Adapter 3/4" Hose Thread to 1/2" (0.700" O.D.) Tubing
NEW CA075710X	Compression Adapter 3/4" Hose Thread to 1/2" (0.710" O.D.) Tubing
HT07525PSI	Pressure Regulator 25 PSI, 3/4" hose thread
HT075BKFLO	Backflow Preventer 150 mesh filter, 3/4" hose thread
HE025DP	Adapter 3/4" Hose Thread to 1/4" Tubing
NEW YFA075X	Dual Faucet Y Adapter
EFTFHT-1SX	1/2" Universal Tee With FHT Adapter

Faucet or Hose to 1/2" Tubing



Hose to 1/2" Tubing



Faucet to 1/4" Tubing



Faucet Y





With Rain Bird kits and adapters, you can easily change a pop-up sprinkler or riser to become a filtered and regulated water source for use with drip devices.

WATER CONNECTIONS

CONVERT FROM SPRAY TO DRIP

- » Up to 80% Water Savings compared to spray irrigation
- » See also: Drip Irrigation Kits, Page 110

Spray Head Conversion

RCKIT-1PS

Riser Connection Kit

- » Converts a sprinkler head or any 1/2" riser to become a filtered and regulated drip zone.
- » Includes built-in 30 psi pressure regulator and 200-mesh filter screen.
- » Universal compression tee works with all 1/2" – 5/8" OD drip tubing.

1800CAPS

Retrofit Cap for 1800® Series Sprinklers

Cap unused 1800® Series sprinklers when converting a spray zone to drip irrigation.



PVC CONNECTIONS

- » Connect drip tubing to 1/2" or 3/4" threaded PVC pipe

PVC Connections

EFP075FS

Adapter

3/4" Female Pipe Thread to 1/2" & 5/8" Drip Tubing

BA-050MPS

Adapter

1/2" Male Pipe Thread to 1/2" & 5/8" Drip Tubing



EFP075FS



BA-050MPS



Drip Irrigation



PRS05030S

RISMAN1S

RISAD-1S

Manifolds divide flow to 1/4" tubing. Use one or more ports as needed to cover the planting area.
MANIFPR9S (top)



Easily convert a conventional spray zone to a low-volume irrigation zone.
EAFPT-1SX

WATER CONNECTIONS RISER CONNECTIONS

» Connect drip tubing to any standard 1/2" riser

Manifolds, Pressure Regulator and Adapters

MANIFPR9S	Adjustable Manifold On/Off, Up to 9 Ports, 0-20 GPH, 25 PSI
MANIFRE1S	Manifold 1 Port, Free Flow
MANIFRE4S	Manifold 4 Port, Free Flow
MANIFRE1PK	Manifold 6 Port, Free Flow
PRS05030S	Pressure Regulator 30 PSI
RISMAN1S	Riser Adapter with 1/4" Barbed Port
NEW RISAD-1S	Riser Adapter for Threaded Drippers & Sprays
NEW EAFPT-1SX	Elbow Adapter for 1/2" Drip Tubing





RBY075S PRF10040S PT7530PSI

Select complete Control Zone Kits or individual components, all designed specifically for use with low volume watering systems.

Anti-Siphon Control Zone Kit
CPZ075FAS (top)



In-Line Control Zone Kit.
CPZ075FIS

WATER CONNECTIONS
VALVES & FILTERS

» Low flow Drip Irrigation Valves

Valves, Regulators & Filters	
CPZ075FAS	Anti-Siphon Control Zone Kit » Includes Drip Valve, 200 Mesh Filter & 30 PSI Regulator » Designed for low-flow drip systems, less than 5 GPM » 3/4" Female Pipe Thread Inlet/Outlet
CPZ075FIS	In-Line Control Zone Kit » Includes Drip Valve, 200 Mesh Filter & 30 PSI Regulator » Designed for low-flow drip systems, less than 5 GPM » 3/4" Female Pipe Thread Inlet/Outlet
RBY075S	3/4" Inline Filter 200 Mesh
RBY100S	1" Inline Filter 200 Mesh
PRF07530S	Pressure Regulator & Filter 30 PSI, 200 Mesh
PRF10040S	Pressure Regulator & Filter 40 PSI, 200 Mesh
NEW PT7530PSIX	Pressure Regulator 30 PSI, 3/4" Female Pipe Thread





T63-100



TUBING & FITTINGS

1/2" DISTRIBUTION TUBING

- » Long lasting performance in harsh conditions
- » Choice of 0.63" O.D. standard plus 0.70" or 0.71" O.D. heavy duty
- » 0.70" O.D. tubing has 15% thicker wall for extra durability
- » Available in 2', 50', 100' and 500' lengths

1/2" Tubing

T71-100S	1/2" Tubing	100 Ft.	0.71" O.D.	Standard
T71-500S	1/2" Tubing	500 Ft.	0.71" O.D.	Standard
T70-2S	1/2" Tubing	2 Ft.	0.70" O.D.	Heavy Duty
T70-50S	1/2" Tubing	50 Ft.	0.70" O.D.	Heavy Duty
T70-100S	1/2" Tubing	100 Ft.	0.70" O.D.	Heavy Duty
T70-500S	1/2" Tubing	500 Ft.	0.70" O.D.	Heavy Duty
T63-050	1/2" Tubing	50 Ft.	0.63" O.D.	Standard
T63-100	1/2" Tubing	100 Ft.	0.63" O.D.	Standard
T63-500S	1/2" Tubing	500 Ft.	0.63" O.D.	Standard

1/2" EMITTER TUBING

- » Uniform watering for all plants
- » Built-in pressure compensating 0.9 GPH emitters with either 12" or 18" spacing
- » Clog-resistant, self-flushing emitter design
- » Healthier, greener growing results for shrubs, trees, ground cover and vegetable gardens

1/2" Emitter Tubing

ET63918-50	1/2" Emitter Tubing	18" Spacing	50 Ft.
ET63-100S	1/2" Emitter Tubing	18" Spacing	100 Ft.
ET7012100S	1/2" Emitter Tubing	12" Spacing	100 Ft.



ET63-100S





TUBING & FITTINGS

1/2" SUB-SURFACE EMITTER TUBING

- » Use above or below ground, 90% watering efficiency
- » Patented CopperShield™ emitter technology protects against root intrusion
- » 50' coil waters plants evenly with 33 pressure-compensating 0.9 GPH emitters spaced 18" apart
- » Ideal for organic gardens, shrub areas, ground cover

1/2" Emitter Tubing

SSF70-50S 1/2" Sub-Surface Emitter Tubing 50 Ft. 0.70" O.D.



1/2" UNIVERSAL EASY-FIT FITTINGS

- » Use with all brands of 1/2" – 5/8" O.D. drip tubing
- » Faster, more convenient way to make drip connections
- » Strong compression fitting avoids leaks
- » Works with any manufacturer's drip tubing from 16mm to 18 mm (1/2" to 5/8") OD

1/2" Universal Easy-Fit Fittings

EFC25-1PK EFC25-10SX	1/2" Universal Coupling	10 Pack
EFE25-1PK	1/2" Universal Elbow	
EFT25-1PK	1/2" Universal Tee	
EFBIGT/1S	1/2" Universal Spiked Tee	
EFCP-1PS	1/2" Universal Flush Cap	
EFPLUG/1S	1/2" Plug for Rain Bird® Universal Fittings	



Universal compression fittings work with all brands of 1/2" – 5/8" drip tubing.





TUBING & FITTINGS 1/2" COMPRESSION FITTINGS

- » Simple push-together assembly
- » Works with 0.710" O.D. drip tubing sizes

1/2" Universal Easy-Fit Fittings

CC710X	Compression Coupling	0.710" O.D.
CE710X	Compression Elbow	0.710" O.D.
CT710X	Compression Tee	0.710" O.D.
CEP710X	Compression End Cap	0.710" O.D.



1/2" BARBED FITTINGS

- » Barbed ends lock tubing for a secure, leak-proof connection
- » Works with manufacturer's drip tubing from 1/2" to 5/8" OD
- » For faster installation, use Insertion Tool FT/1PK50S (pg. 69)

1/2" Barbed Fittings

BC50-1S BC50/4PKS	1/2" Barbed Coupling	4 Pack
BE50/4PK	1/2" Barbed Elbow	4 Pack
BT50/4PK	1/2" Barbed Tee	4 Pack



1/2" TWIST LOCK FITTINGS

- » Removable for re-use
- » Works with 0.700" O.D. drip tubing sizes



1/2" Twist Lock Fittings

NEW	TLCX	Twist Lock Coupling	0.700" O.D.
NEW	TLEX	Twist Lock Elbow	0.700" O.D.





BVAL50-1S



PS50-1S



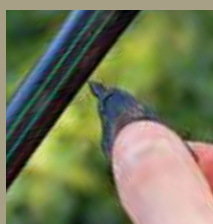
GS50/10PS



TC/1PKS



HPTCX



HPUN1-1S



FT/1PK50S



Use with 1/2" Tubing to allow easy flushing and draining of the system.

EC50/2PKS

TUBING & FITTINGS

1/2" TUBING STAKES & ACCESSORIES

1/2" Tubing Stakes & Accessories

BVAL50-1S	1/2" Tubing Shutoff Valve	
EC50/2PKS	1/2" Tubing Clamp	2 Pack
TC/1PKS	Tubing Cutter	
PS50-1S	Tubing Stake	Poly, 6-3/4" Length
GS50/10PS	Tubing Stakes	Galvanized Wire, 5-5/8" Length
FT/1PK50S	1/2" Barbed Fitting Insertion Tool	
HPUN1-1S	Hole Punch for Drippers & 1/4" Fittings	
NEW HPTCX	Hole Punch & Tubing Cutter	



TC/1PKS



HPTCX

EC50/2PKS



BVAL50-1S

GS50/10PS



PS50-1S

HPUN1-1S



FT/1PK50S



TUBING & FITTINGS 1/4" TUBING

- » Featuring exclusive Non-slip grip Gription™ technology for easier insertion of fittings in wet conditions
- » Self-dispensing wrap for easy installation
- » Choice of 50', 100' and 250' coil lengths

1/4" Tubing

T22-50	1/4" Tubing	50 Ft	Non-slip grip
T22-100S	1/4" Tubing	100 Ft	Non-slip grip
T22-250S	1/4" Tubing	250 Ft	Non-slip grip

T22-250S



1/4" EMITTER TUBING

- » With built-in 0.8 GPH emitters for easy installation
- » Ideal for ground cover, shrubs, larger containers and closely spaced plants
- » Choice of 6" or 12" emitter spacing

1/4" Emitter Tubing

ET256-50S	1/4" Emitter Tubing	50 Ft	6" Spacing
ET25-50S2	1/4" Emitter Tubing	50 Ft	12" Spacing



ET25-50S2





TUBING & FITTINGS

1/4" BARBED FITTINGS

- » Fast, simple connections
- » Use in-line to connect 1/4" tubing or pierce the side of 1/2" tubing to make branch tubing runs
- » Durable plastic, 0 to 50 psi operating range when used with polyethylene tubing

Use the patented Installation Tool for easiest connections in large drip systems.
ET/1PK25SX



BC25/10PS

BE25-10S

BT25/10PS

1/4" Barbed Fittings

BC25/10PS BC25-30PS	1/4" Barbed Coupling	10 Pack 30 Pack
BE25-10S	1/4" Barbed Elbow	10 Pack
BT25/10PS BT25-30PS	1/4" Barbed Tee	10 Pack 30 Pack



TS25/10PS

GS2510PSX



BVAL25-2S

TP25/10PS



ET/1PK25SX

1/4" TUBING STAKES & ACCESSORIES

- » Professional grade installation tools and system accessories

1/4" Tubing Stakes & Accessories

BVAL25-2S	1/4" Shutoff Valve Allows shutting off a section of your system for repairs or to adjust flow
TP25/10PS TP25-30PK	1/4" Tubing Plug Also seal unused holes in 1/2" tubing - "goof plugs"
TS25/10PS	1/4" Tubing Stake , 10 Pack Used with 1/4" tubing and drippers
ET/1PK25S	Installation Tool Insert Drippers & 1/4" Fittings
NEW GS2510PSX	1/4" Tubing Stake Durable galvanized wire, 10 Pack



TP25/10PS

BVAL25-2S

ET/1PK25SX

GS2510PSX

TS25/10PS



DRIPPERS PRESSURE COMPENSATING

- » Uniform, dependable flow to all plants
- » Exclusive self-piercing models for easy insertion by hand or using the Installation Tool (ET/1PK25SX)
- » Delivers uniform flow throughout a wide pressure range (15 to 50 psi)
- » Flushing action minimizes clogging
- » Color coded to identify flow rate (0.5 to 5.0 gph)
- » Choice of self-piercing barbed, inline barbed or staked

Self-Piercing, Barbed PC Drippers

- » Easiest insertion

SW05-10PK	● 0.5 GPH Dripper	10 Pack
SW10/10PS	● 1 GPH Dripper	10 Pack
SW10-30PK		30 Pack
SW20/10PS	● 2 GPH Dripper	10 Pack
SW20-30PK		30 Pack
SW50/05PS	● 5 GPH Dripper with Diffuser	5 Pack



Barbed PC Drippers with Built-In Check Valve

- » Prevents drainage on slopes

NEW	CVD0510PKX	● 0.5 GPH Dripper	Built-In Check Valve	10 Pack
NEW	CVD1010PKX	● 1 GPH Dripper	Built-In Check Valve	10 Pack
NEW	CVD2010PKX	● 2 GPH Dripper	Built-In Check Valve	10 Pack



In-line and Staked PC Drippers

- » Ideal for pots, planters and landscaped areas

NEW	ILD10STKX	1 GPH In-Line Staked Dripper
NEW	SD14PKSX	● 1 GPH Staked Dripper
NEW	SD24PKSX	● 2 GPH Staked Dripper





DRIPPERS NON PRESSURE COMPENSATING

» Low flow watering of containers and landscape plants

Button Drippers

» Self-piercing barbed

BUE05-25S BUE05-5S	● 0.5 GPH Button Dripper	25 Pack 5 Pack
BUE10-25S BUE10-5S	● 1 GPH Button Dripper	25 Pack 5 Pack
BUE20-25S BUE20-5S	● 2 GPH Button Dripper	25 Pack 5 Pack



BUE05-25S

BUE10-25S

BUE20-25S

Flag Drippers

» Removable cap for cleaning

NEW

FE10-25S	● 1 GPH Flag Dripper	25 Pack
FE20-25SX	● 2 GPH Flag Dripper	25 pack
FE40-25S	● 4 GPH Flag Dripper	25 Pack



FE10-25S

FE20-25SX

FE40-25S

In-Line and Adjustable Drippers

» Flexible spacing and flow to cover a variety of plants

NEW

NEW

NEW

NEW

ILD0510PKX	● 0.5 GPH In-Line Dripper	10 Pack
ILD1010PKX	● 1 GPH In-Line Dripper	10 Pack
ILD2010PKX	● 2 GPH In-Line Dripper	10 Pack
ADJD10PKSX	0-2 GPH Adjustable Dripper	10 Pack



ILD0510PKX

ILD1010PKX

ILD2010PKX

ADJD10PKSX



DRIPPERS MICRO BUBBLERS

- » Ideal for shrubs, trees and dense planting areas
- » Adjustable flow and radius by turning cap

Staked Bubblers

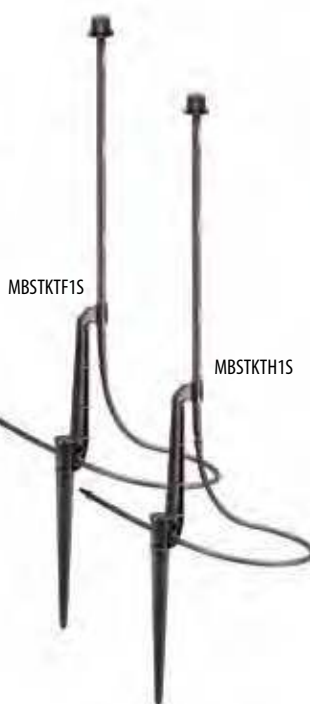
MBF20PKS	360° Bubbler	0–3' Distance	10 Pack
MBF4PK			4 Pack
MBH4PKS	180° Bubbler	0–3' Distance	4 Pack
MUF-SPK4S	360° Umbrella	0–3' Distance	4 Pack
NEW ILB4PKSX	360° In-Line Bubbler	0–1.5' Distance	4 Pack

Riser Mounted Bubblers

MBSTKTF1S	360° Bubbler On Adjustable Riser	0–3' Distance	
MBSTKTH1S	180° Bubbler On Adjustable Riser	0–3' Distance	
MBUB-F/2S	360° Bubbler	Riser Mount	0–3' Distance 2 Pack
MBUB-H/2S	180° Bubbler	Riser Mount	0–3' Distance 2 Pack
MUMB-F2S	360° Umbrella	Riser Mount	0–3' Distance 2 Pack

Self Piercing Bubblers

MBSPF10S	360° Bubbler	0–1.5' Distance	4 Pack
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Use with Staked Risers:
MCSTK1PKS, MWSTK-1S, MPTRISERS
or RISER1PKS page 109



Use with 1/2" Drip Tubing





MSF2PKS



MSH2PKS



MSQ2PKS



MIST-F/2S



RS4PKSX



MSFF2PKSX



MSF10PKSX



MSH10PKSX



MSQ10PKSX

MICRO SPRAYS
RISER MOUNT

- » Ideal for taller plants such as shrubs as well as closely spaced flowers and ground cover
- » Select risers separately

Riser Mount Micro Sprays			
MIST-F/2S	360° Mister	0–1.3' Distance	2 Pack
MSF2PKS	360° Jet Micro Spray	0–10' Distance	2 Pack
MSH2PKS	180° Fan Micro Spray	0–10' Distance	2 Pack
MSQ2PKS	90° Fan Micro Spray	0–10' Distance	2 Pack
NEW MSF10PKSX	360° Fan Close In Micro Spray	0–4' Distance	10 Pack
NEW MSH10PKSX	180° Fan Close In Micro Spray	0–4' Distance	10 Pack
NEW MSQ10PKSX	90° Fan Close In Micro Spray	0–4' Distance	10 Pack
NEW RS4PKSX	360° Rotary Sprinkler	1–14' Distance	4 Pack
NEW MSFF2PKSX	360° Fan Micro Spray	0–7' Distance	2 Pack





MSFFSTAKEX



MSDSSTKX



RSSTKX



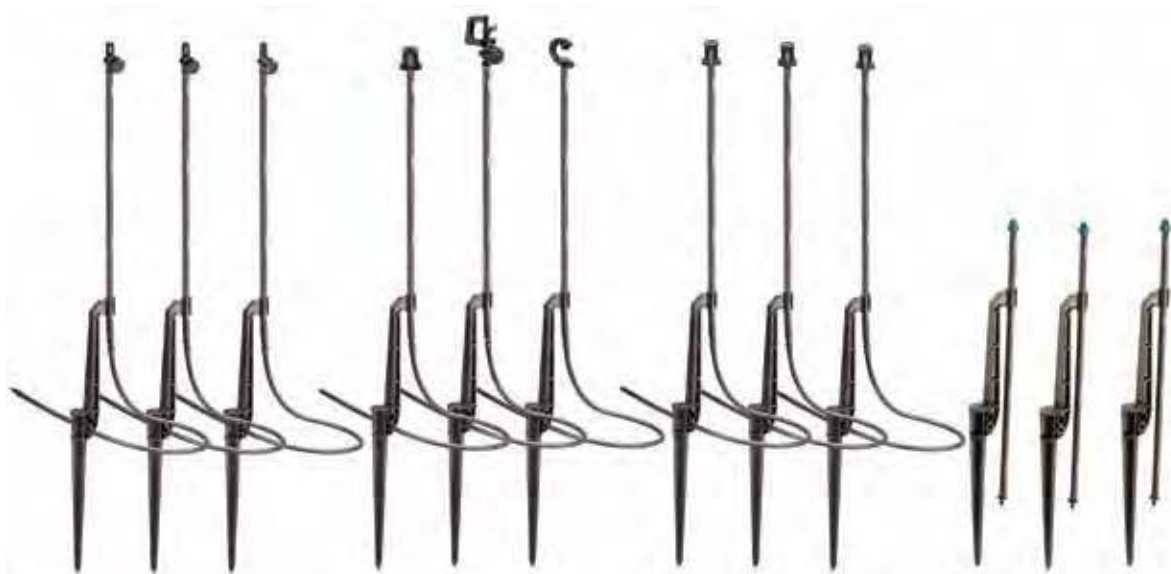
Unique square pattern and rectangular pattern sprays help reduce overspray waste. Two throw distances – just turn the nozzle cap to preset stops. SQFSTKX

MICRO SPRAYS TALL ADJUSTABLE STAKED RISERS

- » Adjustable height to direct water exactly where you need it
- » Ideal for taller plants such as shrubs as well as closely spaced flowers and ground cover
- » Choice of patterns and spray intensity
- » Simple adjustment for flow and distance by turning top cap
- » Sturdy riser and stake includes 1/4" tubing

Micro Sprays With Tall Adjustable Staked Risers

MSSTKTF1S	360° Jet Micro Spray	0–10' Distance	
MSSTKTH1S	180° Fan Micro Spray	0–10' Distance	
MSSTKTQ1S	90° Fan Micro Spray	0–10' Distance	
NEW MSFFSTAKEX	360° Fan Micro Spray	0–7' Distance	10 Pack
NEW RSSTKX	360° Rotary Sprinkler	1–14' Distance	
NEW MSDSSTKX	360° Downspray	0–2' Distance	
NEW SQFSTKX	Full Square Pattern Spray	5' x 5' or 8' x 8'	
NEW SQHSTKX	Rectangular Pattern Spray	2.5' x 5' or 4' x 8'	
NEW SQQSTKX	Quarter Square Pattern Spray	2.5' x 2.5' and 4' x 4'	
NEW MSFFSTKX	360° Fan Close In Micro Spray	0–4' Distance	10 Pack
NEW MSFHSTKX	180° Fan Close In Micro Spray	0–4' Distance	10 Pack
NEW MSFQSTKX	90° Fan Close In Micro Spray	0–4' Distance	10 Pack



Standard Jet and Fans

MSSTKTF1S MSSTKTH1S MSSTKTQ1S

Specialty

MSFFSTAKEX RSSTKX MSDSSTKX

Square Pattern

SQFSTKX SQHSTKX SQQSTKX

Close-In Fans

MSFFSTKX MSFHSTKX MSFQSTKX



MISTUB-1S

MICRO SPRAYS
SPECIALTY

Micro Sprays Special Purpose			
MISTUB-1S	360° Flexible Mister		
XPOPSQ-1S	Pop-Up Micro Spray	2.5' x 5' or 4' x 8'	
NEW MSFF4PKSX	360° Staked Fan	0-7' Distance	4 Pack



MSFF4PKSX

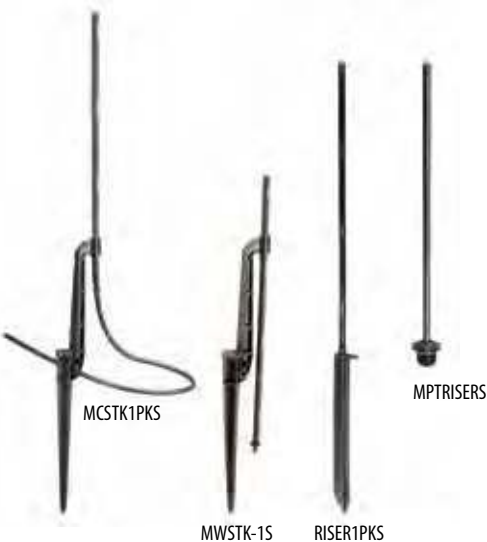


XPOPSQ-1S

RISERS & STAKES

» Use with threaded drippers and micro sprays

Risers & Stakes		
MCSTK1PKS	Adjustable Staked Riser With 1/4" Tubing	18" Height
MWSTK-1S	Adjustable Staked Riser	18" Height
MPTRISERS	1/2" MPT Riser Use with Universal Spiked Tee EFBIGT/1SX	12" Height
RISER1PKS	Staked Riser	12" Height



Convert an Underground Sprinkler Zone to a Water Saving Drip Zone:



1. Remove one sprinkler.
Or just remove the shaft if you have Rain Bird 1800® Series sprinklers.



2. Insert new drip conversion head.
Includes built-in pressure regulator and filter.



3. Run tubing
Run tubing from the conversion head through watering area and stake in place.



4. Attach watering devices



5. Cap other sprinklers on the zone.

DRIP IRRIGATION CONVERSION KITS

- » Easy to install watering kits for the garden, landscaped areas and container plants
- » Choose conversion kits for an easy switch from pop-up sprays or risers to drip watering
- » Other kits provide parts needed for specific watering areas and plant types
- » Start with these special value kits and expand your system later with additional tubing and watering devices
- » Up to 80% water savings compared to sprinklers

Spray to Drip Watering Zone Conversion Kit

CNVZONKT

- Features high capacity 1/2" tubing for water flow to larger areas
- 14 devices are provided to water different plant types and spacing

Kit includes

- (1) 50' of 1/2" distribution tubing
- (1) 50 ft of 1/4" tubing
- (1) conversion head with filter, pressure regulator and tubing adapter tee
- (4) 1.0 GPH drippers
- (4) 2 GPH drippers
- (6) 360° adjustable staked bubblers
- (14) 1/2" couplings
- (10) galvanized stakes plus end closures
- (5) caps to cover previous sprinkler risers





Spray To Drip Bubbler Conversion Kit

CNV182BUB

- Ideal for watering small trees and larger shrubs
- Converts a spray head to a micro bubbler watering zone without digging
- Conversion head has a built-in pressure regulator and filter to provide proper flow to each tubing run

Kit includes

- (1) Conversion head with filter and pressure regulator
- (1) 6-port manifold
- (1) roll 50' x 1/4" tubing
- (6) staked bubblers.



Spray To Dripper Conversion Kit

CNV182EMT

- Direct watering of small planting beds and gardens
- No digging necessary if converting an 1800® Series spray head
- Conversion head has a built-in pressure regulator and filter to provide proper flow to each tubing run

Kit includes

- (1) Conversion head with filter and pressure regulator
- (1) 6-port manifold
- (1) roll 50' x 1/4" tubing
- (1) 6 stakes with bug caps
- (3) 1.0 gallon-per-hour drippers
- (3) 2.0 gallon-per-hour drippers



Riser To Drip Manifold Conversion Kit

CNV2XBIRD

- Customized watering of smaller planting beds
- Converts a standard 1/2" threaded riser to 8 tubing runs
- 8-port manifold with drop-in drippers allows tailoring flow rates to different plants

Kit includes

- (1) 8-port manifold
- (8) watering stakes with bug caps
- (2) 0.5 gallon-per-hour drippers
- (4) 1.0 gallon-per-hour drippers
- (2) 2.0 gallon-per-hour drippers
- (1) roll 50' x 1/4" tubing



DRIP IRRIGATION SPECIAL PURPOSE KITS



Landscape & Garden Drip Watering Kit

LNDDRIPKIT

- Comprehensive 108-piece kit for flower beds, gardens and landscaped areas
- Includes 3 different types of watering devices: drippers, micro-bubblers and micro sprays
- Eliminates watering by hand

Kit includes

- | | |
|--|---------------------------------------|
| (1) 25 psi pressure regulator | (2) 1/4" barbed elbows |
| (1) backflow preventer | (10) 1/4" tubing plugs |
| (1) 3/4" to 1/2" adapter | (20) 1/4" tubing stakes w/ bug caps |
| (1) roll 50' x 1/2" x 0.700" ID tubing | (10) 1.0 gallon-per-hour drippers |
| (1) roll 50' x 1/4" tubing | (10) 2.0 gallon-per-hour drippers |
| (2) 1/2" barbed couplings | (2) 360° staked micro-bubblers |
| (6) 1/2" barbed tees | (2) 180° staked riser micro-sprays |
| (2) 1/2" barbed elbows | (2) 360° staked riser micro-sprays |
| (2) 1/2" end closures | (1) emitter installation/removal tool |
| (10) galvanized metal stakes | (1) complete instructions |
| (20) 1/4" barbed couplings | |
| (2) 1/4" barbed tees | |



Landscape & Garden Micro Spray Watering Kit

LNDMSKIT

- Complete 54-piece kit for flower beds, gardens and landscaped areas
- Includes 2 types of watering devices: staked micro-bubblers and staked riser micro sprays
- Customize to fit your specific landscape or garden design

Kit includes

- | | |
|--|------------------------------------|
| (1) 25 psi pressure regulator | (6) 1/4" barbed couplings |
| (1) backflow preventer | (2) 1/4" barbed tees |
| (1) 3/4" to 1/2" adapter | (2) 1/4" barbed elbows |
| (1) roll 50' x 1/2" x 0.700" ID tubing | (10) 1/4" tubing plugs |
| (1) roll 50' x 1/4" tubing | (2) 360° staked micro-bubblers |
| (2) 1/2" barbed couplings | (2) 180° staked riser micro-sprays |
| (6) 1/2" barbed tees | (2) 360° staked riser micro-sprays |
| (2) 1/2" barbed elbows | (1) hole punch tool |
| (2) 1/2" end closures | (1) complete instructions |
| (10) galvanized metal stakes | |



Landscape Watering Kit

LNDSWKIT

- 57 piece kit to start or expand a drip system for flower beds, shrubs and other landscaped areas
- Covers 23 or more widely spaced plants
- Connects easily to existing 1/2" distribution tubing and regulated water supply adapter (not included)

Kit includes

- | | |
|-----------------------------------|---------------------------------------|
| (1) 50 feet of 1/4" tubing | (8) 1/4" barbed tees |
| (10) drippers - 1 GPH | (1) dripper installation tool |
| (10) drippers - 2 GPH | (10) 1/4" tubing stakes with bug caps |
| (1) Micro bubbler - full pattern | (10) 1/4" tubing goof plugs. |
| (2) Micro bubblers - half pattern | |
| (2) 1/4" barbed couplings, | |





Potted Plant Watering Kit

PATIOKIT

- Easy, convenient way to water up to 8 container plants
- Eliminates watering by hand
- Produces longer lasting blooms and greener leaves
- Add the Rain Bird® hose-end timer 1ZEHTMR for automated watering convenience

Kit includes

- | | |
|--|-------------------------------------|
| (1) 3/4" pressure regulator with 1/4" tubing adaptor | (4) 2.0 GPH drippers |
| (10) 1/4" tubing stakes with bug caps | (4) 1.0 GPH drippers |
| (2) 1/4" barbed couplings | (8) 1/4" barbed tees |
| (10) tubing mounting clips, | (1) 25' of 1/4" distribution tubing |



Container Plant Watering Kit

WTRKT

- Waters up to 6 pots or hanging baskets
- Add the Rain Bird® hose-end timer 1ZEHTMR for automated watering convenience

Kit includes

- | | |
|--|------------------------|
| (1) 3/4" pressure regulator with 1/4" tubing adaptor | (3) 2.0 GPH drippers |
| (6) 1/4" tubing stakes with bug caps | (3) 1.0 GPH drippers |
| (2) 1/4" barbed couplings | (8) 1/4" barbed tees |
| (10) tubing mounting clips | (1) 25' of 1/4" tubing |



Drip Watering Starter Kit

STARTERKIT

- Adjustable micro watering for all types of plants
- Easy-to-install kit with faucet adapter, tubing and six high-rise watering devices with different patterns
- Staked risers adjust from 12" to 18" height to direct water exactly where you want it
- Up to 80% water savings compared to hose-end sprinklers
- Schedule watering automatically with optional timer 1ZEHTMR

Kit includes

- | | |
|---|------------------------|
| (1) 50' of 1/2" distribution tubing | (10) galvanized stakes |
| (1) 1/2" barbed tee | (2) micro sprays |
| (1) faucet mounted regulator and filter | (2) micro bubblers, |
| (6) adjustable riser stakes | (1) umbrella bubbler |
| (1) hole punch | (1) micro mister |
| (2) end closures | |



Drip Repair & Expansion Kit

DRIPPAILQ

- Provides most commonly needed drip devices and tubing in a handy pail with parts tray
- Easily repair tubing breaks, adjust dripper flow for growing plants and replace clogged devices
- Includes the Rain Bird Installation Tool for easy insertion of drippers and barbed fittings

Pail includes

- | | |
|-------------------------|----------------------------------|
| (1) 250' of 1/4" tubing | (10) 1/4 tubing plugs/goof plugs |
| (1) faucet adapter | (20) 1/4" barbed tees |
| (10) 1/4" tubing stakes | (20) 1/4" barbed couplings |
| (10) bug caps, | (1) dripper installation tool |
| (10) 0.5 GPM drippers | (1) complete instructions |
| (20) 1.0 GPM drippers | |
| (10) 2.0 GPH drippers | |



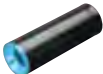
	Model	Description	Per Pack	Per Case
WATER CONNECTIONS	FAUCET CONNECTIONS			
	FCKIT-1PK	Faucet Connection Kit ■ Pressure Regulator ■ Backflow Preventor ■ 150 Mesh Filter ■ 1/2" tubing adapter	1	7
	EF075FHTS	Universal Adapter ■ 3/4" Hose Thread to 1/2" & 5/8" Tubing	1	25
	HT07525PS	Pressure Regulator ■ 25 PSI ■ 3/4" Hose Thread	1	25
	HT075BKFLO	Backflow Preventer ■ 150 Mesh Filter ■ 3/4" Hose Thread	1	25
	HE025DPS	Adapter ■ 3/4" Hose Thread to 1/4" Tubing	1	15
	EFTFHT-1S	Universal Tee With FHT Adapter ■ 1/2" - 5/8" Tubing	1	25
	QL075FHTX	Quick Lock Adapter for 1/2" Tubing ■ 0.70" O.D. Tubing ■ 3/4" Hose Thread	1	35
	YFA075X	Dual Faucet Y Adapter ■ 3/4" Hose Thread	1	30
	CA075710X	Compression Adapter ■ 3/4" Hose Thread to 1/2" Tubing ■ 0.710" O.D. Tubing	1	30

	Model	Description	Per Pack	Per Case
WATER CONNECTIONS	CONVERT TO DRIP			
	RCKIT-1PK	Riser Connection Kit	1	5
	1800CAPS	Retrofit Cap for 1800° Series Sprinklers	1	10
WATER CONNECTIONS	PVC CONNECTIONS			
	EFPO75FS	Adapter ▪ 3/4" Female Pipe Thread to 1/2" & 5/8" Tubing	1	25
	BA-050MPS	Adapter ▪ 1/2" Male Pipe Thread to 1/2" & 5/8" Tubing	1	36
WATER CONNECTIONS	RISER CONNECTIONS			
	MANIFPR9S	Adjustable On/Off Manifold, Up to 9 Ports ▪ 0-20 GPH ▪ 25 PSI ▪ 1/2" Female Pipe Thread	1	6
	MANIFRE1S	Manifold, 1 Port ▪ Free Flow ▪ 1/2" Female Pipe Thread	1	25
	MANIFRE4S	Manifold, 4 Port ▪ Free Flow ▪ 1/2" Female Pipe Thread	1	10
	MANIFRE1PK	Manifold, 6 Port ▪ Free Flow ▪ 1/2" Female Pipe Thread	1	10
	MANIF21PK	Manifold, 6 Port ▪ 2 GPH ▪ 1/2" Female Pipe Thread	1	10

	Model	Description	Per Pack	Per Case
	PRS05030S	Pressure Regulator for 1/2" Risers ▪ 30 PSI ▪ 1/2" Female Pipe Thread	1	25
	RISMAN1S	Riser Adapter with 1/4" Barbed Port ▪ 1/2" Female Pipe Thread Base ▪ 1/2" threaded top accepts shrub nozzles or spray head	1	25
	RISAD-1S	Riser Adapter ▪ For Threaded Drippers & Sprays ▪ 1/2" Female Pipe Thread	1	50
	EAFTP-1S	1/2" Drip Tubing Elbow Adapter ▪ 1/2" Female Pipe Thread	1	36
WATER CONNECTIONS DRIP IRRIGATION VALVES, REGULATORS & FILTERS				
	CPZ075FAS	Anti-Siphon Drip Valve ▪ 30 PSI Regulator ▪ 200 Mesh Filter ▪ 3/4" Female Pipe Thread	1	5
	CPZ075FIS	In-Line Drip Valve ▪ 30 PSI Regulator ▪ 200 Mesh Filter ▪ 3/4" Female Pipe Thread	1	5
	RBY075S	In-line Filter - 3/4" ▪ 200 Mesh Filter ▪ 3/4" Female Pipe Thread	1	8
	RBY100S	In-line Filter - 1" ▪ 200 Mesh Filter ▪ 1" Female Pipe Thread	1	8
	PRF07530S	Pressure Regulator & Filter ▪ 30 PSI Regulator ▪ 200 Mesh Filter ▪ 3/4" Male Pipe Thread	1	8
	PRF10040S	Pressure Regulator & Filter ▪ 40 PSI Regulator ▪ 200 Mesh Filter ▪ 1" Male Pipe Thread	1	8

	Model	Description	Length	Per Pack	Per Case
	PT7530PSIX	Pressure Regulator ▪ 30 PSI Regulator ▪ 3/4" Female Pipe Thread		1	25
TUBING AND FITTINGS 1/2" TUBING & FITTINGS					
	T71-100S	1/2" Tubing ▪ 0.710" O.D.	100 Ft.	1	5
	T71-500S	1/2" Tubing ▪ 0.710" O.D.	500 Ft.	1	1
	T70-2S	1/2" Tubing ▪ 0.700" O.D. ▪ Heavy Duty	2 Ft.	1	40
	T70-50S	1/2" Tubing ▪ 0.700" O.D. ▪ Heavy Duty	50 Ft.	1	9
	T70-100S	1/2" Tubing ▪ 0.700" O.D. ▪ Heavy Duty	100 Ft.	1	5
	T70-500S	1/2" Tubing ▪ 0.700" O.D. ▪ Heavy Duty	500 Ft.	1	1
	T63-050	1/2" Tubing ▪ 0.630" O.D.	50 Ft.	1	9
	T63-100	1/2" Tubing ▪ 0.630" O.D.	100 Ft.	1	5
	T63-500S	1/2" Tubing ▪ 0.630" O.D.	500 Ft.	1	1

	Model	Description	Length	Per Pack	Per Case
	ET7012100S	1/2" Emitter Tubing ▪ 0.700 O.D. ▪ 12" Spacing ▪ 0.9 GPH	100 Ft	1	5
	ET63918-50	1/2" Emitter Tubing ▪ 0.630" O.D. ▪ 18" Spacing ▪ 0.9 GPH	50 Ft.	1	9
	ET63-100S	1/2" Emitter Tubing ▪ 0.630" O.D. ▪ 18" Spacing ▪ 0.9 GPH	100 Ft.	1	3
	SSF70-50S	1/2" Sub-Surface Emitter Tubing ▪ 0.700" O.D. ▪ 0.9 GPH with 18" Spacing ▪ Above or Below Ground	50 Ft	1	8
	BC50-1S BC50/4PK	1/2" Barbed Coupling ▪ 1/2" - 5/8" Tubing		1 4	100 13
	BE50/4PK	1/2" Barbed Elbow ▪ 1/2" - 5/8" Tubing		4	13
	BT50/4PK	1/2" Barbed Tee ▪ 1/2" - 5/8" Tubing		4	13
	EFC25-1PK EFC25-10SX	1/2" Universal Coupling ▪ 1/2" - 5/8" Tubing		1 10	25 5
	EFE25-1PK	1/2" Universal Elbow ▪ 1/2" - 5/8" Tubing		1	25
	EFT25-1PK	1/2" Universal Tee ▪ 1/2" - 5/8" Tubing		1	25

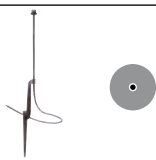
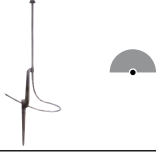
	Model	Description	Per Pack	Per Case
	EFBIGT/1S	1/2" Universal Spiked Tee ▪ 1/2" - 5/8" Tubing	1	10
	EFPLUG/1S	1/2" Universal Flush Cap ▪ 1/2" - 5/8" Tubing	1	25
	TLCX	Twist Lock Coupling ▪ Removable for re-use ▪ 0.7" O.D. Tubing	1	35
	TLEX	1/2" Barbed Elbow ▪ Removable for re-use ▪ 0.7" O.D. Tubing	1	35
	CC710X	1/2" .710 Compression Coupling ▪ 0.710" O.D. Tubing	1	35
	CE710X	1/2" .710 Compression Elbow ▪ 0.710" O.D. Tubing	1	35
	CT710X	1/2" .710 Compression Tee ▪ 0.710" O.D. Tubing	1	25
	CEP710X	1/2" .710 Compression End Plug ▪ 0.710" O.D. Tubing	1	35
	EFPLUG/1S	Plug for Rain Bird® Universal Fittings	1	25

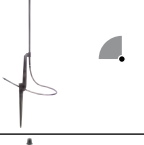
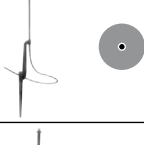
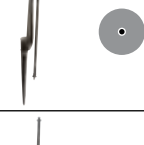
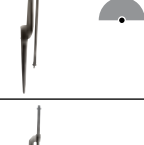
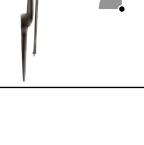
	Model	Description	Per Pack	Per Case
	BVAL50-1S	1/2" Tubing Shutoff Valve	1	25
	EC50/2PKS	1/2" Tubing Clamp	2	15
	TC/1PKS	Tubing Cutter ▪ For 1/4" and 1/2" Tubing	1	8
	PS50-1S	Poly Tubing Stake ▪ 6-3/4" L	1	70
	GS50/10PS	Tubing Stakes ▪ Galvanized Steel ▪ 5-5/8" L	10	15
	BT/1PK50S	1/2" Barbed Fitting Insertion Tool ▪ 1/2" Barbed Fittings	1	15
	HPUN1-1S	Hole Punch ▪ For Drippers & 1/4" Fittings	1	40
	HPTCX	Hole Punch & Tubing Cutter	1	15
TUBING AND FITTINGS				
1/4" TUBING & FITTINGS				
	T22-50	1/4 Inch Tubing - 50 Ft ▪ Non-slip grip Gription Technology	1	8
	T22-100S	1/4 Inch Tubing - 100 Ft ▪ Non-slip grip Gription Technology	1	4

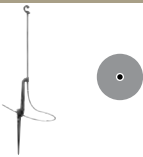
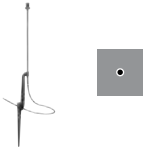
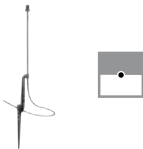
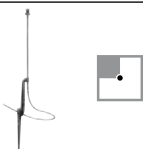
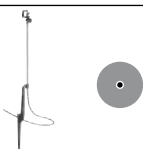
	Model	Description	Per Pack	Per Case
	T22-250S	1/4 Inch Tubing - 250 Ft ▪ Non-slip grip Gription Technology	1	4
	ET25-50S2	1/4 Inch Emitter Tubing - 50 Ft ▪ 1 GPH ▪ 12" Spacing	1	4
	ET256-50S	1/4 Inch Emitter Tubing - 50 Ft ▪ 1 GPH ▪ 6" Spacing	1	7
	BC25/10PS BC25-30PS	1/4 Inch Barbed Coupling	10 30	15 10
	BE25-10S	1/4 Inch Barbed Elbow	10	15
	BT25/10PS BT25-30PS	1/4 Inch Barbed Tee	10 30	15 10
	BVAL25-2S	1/4 Inch Shutoff Valve	2	15
	TP25/10PS TP25-30PK	1/4" Tubing Plug	10 30	15 10
	TS25/10PS	1/4" Tubing Stake	10	10

	Model	Description	Per Pack	Per Case
	ET/1PK25S	Installation Tool Insert Drippers & 1/4" Fittings	1	15
	MCLIP10PS	1/4" Tubing Mounting Clip	10	15
	GS2510PSX	1/4" Tubing Stake ▪ Galvanized Steel	10	20
DRIPPERS		PRESSURE COMPENSATING		
	SW05-10PS	0.5 GPH Dripper ▪ Self Piercing ▪ Small Plants	10	15
	SW10-10PS	1 GPH Dripper	10	15
	SW10-30PK	▪ Self Piercing ▪ Small Shrubs & Bushes	30	10
	SW20-10PS	2 GPH Dripper	10	15
	SW20-30PK	▪ Self Piercing ▪ Large Shrubs & Bushes	30	10
	SW50-05PS	5 GPH Dripper with Diffuser ▪ Self Piercing ▪ Trees	5	15
	CVD0510PKX	0.5 GPH Dripper with Built-In Check Valve ▪ Self Piercing ▪ Small Shrubs & Bushes	10	20
	CVD1010PKX	1 GPH Dripper with Built-In Check Valve ▪ Self Piercing ▪ Small Shrubs & Bushes	10	20
	CVD2010PKX	2 GPH Dripper with Built-In Check Valve ▪ Self Piercing ▪ Large Shrubs & Bushes	10	20

	Model	Description	Per Pack	Per Case
	ILD10STKX	1 GPH In-Line Staked Dripper ▪ Small Bushes & Container Plants	4	15
	SD14PKSX	1 GPH Staked Dripper ▪ Small Bushes & Container Plants	4	15
	SD24PKSX	2 GPH Staked Dripper ▪ Large Bushes & Container Plants	4	15
DRIPPERS				
NON PRESSURE COMPENSATING				
	BUE05-25S	0.5 GPH Button Dripper	25	10
	BUE05-5S	▪ Self Piercing ▪ Small Plants	5	15
	BUE10-25S	1 GPH Button Dripper	25	10
	BUE10-5S	▪ Self Piercing ▪ Small Shrubs & Bushes	5	15
	BUE20-25S	2 GPH Button Dripper	25	10
	BUE20-5S	▪ Self Piercing ▪ Large Shrubs & Bushes	5	15
	FE10-25S	1 GPH Flag Dripper ▪ Small Shrubs & Bushes	25	10
	FE20-25SX	2 GPH Flag Dripper ▪ Bushes & Trees	25	10
	FE40-25S	4 GPH Flag Dripper ▪ Trees	25	10
	ADJD10PKSX	Adjustable, 0-2 GPH Dripper, ▪ Shrubs & Bushes	10	20

	Model	Description	Per Pack	Per Case
	ILD0510PKX	0.5 GPH In-Line Dripper ▪ Small Plants	10	20
	ILD1010PKX	1 GPH In-Line Dripper ▪ Small Shrubs & Bushes	10	20
	ILD2010PKX	2 GPH In-Line Dripper ▪ Small Shrubs & Bushes	10	20
DRIPPERS MICRO BUBBLERS				
	MBF20PKS	360° Staked Bubbler	20	8
	MBF4PKS	▪ 0–13 GPH ▪ 0–3' Distance ▪ Trees & Bushes	4	13
	MBH4PKS	180° Staked Bubbler ▪ 0–13 GPH ▪ 0–3' Distance ▪ Trees & Bushes	4	13
	MBSPF10S	360° Micro Bubbler, Self Piercing ▪ 0–13 GPH ▪ 0–1.5' Distance ▪ Trees & Bushes	10	15
	MBSTKTF1S	360° Micro Bubbler On Riser ▪ 0–13 GPH ▪ 0–3' Distance ▪ Trees & Bushes	1	8
	MBSTKTH1S	180° Micro Bubbler On Riser ▪ 0–13 GPH ▪ 0–3' Distance ▪ Trees & Bushes	1	8
	MBUB-F/2S	360° Micro Bubbler, Riser Mount ▪ 0–13 GPH ▪ 0–3' Distance ▪ Trees & Bushes	2	15
	MBUB-H/2S	180° Micro Bubbler, Riser Mount ▪ 0–13 GPH ▪ 0–3' Distance ▪ Trees & Bushes	2	15

	Model	Description	Per Pack	Per Case
	MUF-SPK4S	360° Umbrella Bubbler, Staked ▪ 0–35 GPH ▪ 0–3' Distance ▪ Trees & Container Plants	4	13
	MUMB-F/2S	360° Umbrella Bubbler, Riser Mount ▪ 0–35 GPH ▪ 0–4' Distance ▪ Trees & Container Plants	2	15
	ILB4PKSX	360° Staked In-Line Bubbler ▪ 0–13 GPH ▪ 0–1.5' Distance ▪ Trees & Bushes	4	15
MICRO SPRAYS				
	MSSTKTF1S	360° Jet On Staked Riser ▪ 0–31 GPH ▪ 0–10' Distance ▪ Flowers & Bushes	1	8
	MSSTKTH1S	180° Fan On Staked Riser ▪ 0–31 GPH ▪ 0–10' Distance ▪ Flowers & Bushes	1	8
	MSSTKTQ1S	90° Fan On Staked Riser ▪ 0–31 GPH ▪ 0–10' Distance ▪ Flowers & Bushes	1	8
	MSFFSTAKEX	360° Fan On Staked Riser ▪ 0–24 GPH ▪ 0–7' Distance ▪ Closely Spaced Plants	1	10
	MSFFSTKX	360° Fan On Staked Riser ▪ 0–11 GPH ▪ 0–4' Distance (Close In Watering) ▪ Closely Spaced Plants	1	15
	MSFHSTKX	180° Fan On Staked Riser ▪ 0–11 GPH ▪ 0–4' Distance (Close In Watering) ▪ Closely Spaced Plants	1	15
	MSFQSTKX	90° Fan On Staked Riser ▪ 0–11 GPH ▪ 0–5' Distance (Close In Watering) ▪ Closely Spaced Plants	1	15

	Model	Description	Per Pack	Per Case
	MSDSSTKX	360° Downspray On Staked Riser ▪ 10 GPH ▪ 0–2' Distance ▪ Flowers & Container Plants	1	10
	SQFSTKX	Square Pattern Spray On Staked Riser ▪ Full Pattern ▪ 0–24 GPH ▪ 5' x 5' or 8' x 8' Distance ▪ Closely Spaced Plants	1	8
	SQHSTKX	Rectangular Pattern Spray On Staked Riser ▪ Half Pattern ▪ 0–12 GPH ▪ 2.5' x 5' or 4' x 8' Distance ▪ Closely Spaced Plants	1	8
	SQQSTKX	Square Pattern Spray On Staked Riser ▪ Quarter Pattern ▪ 0–7 GPH ▪ 2.5' x 2.5' or 4' x 4' Distance ▪ Closely Spaced Plants	1	8
	RSSTKX	360° Rotary Sprinkler On Staked Riser ▪ 0–33 GPH ▪ 0–14' Distance ▪ Ground Cover & Flowers	1	10
MICRO SPRAYS		RISER MOUNT		
	MIST-F/2S	360° Mister, Riser Mount ▪ 0–31 GPH ▪ 0–1.3' Distance ▪ Flowers & Delicate Plants	2	15
	MSF2PKS	360° Jet, Riser Mount ▪ 0–31 GPH ▪ 0–10' Distance ▪ Flowers & Bushes	2	15
	MSH2PKS	180° Fan, Riser Mount ▪ 0–31 GPH ▪ 0–10' Distance ▪ Flowers & Bushes	2	15
	MSQ2PKS	90° Fan, Riser Mount ▪ 0–31 GPH ▪ 0–10' Distance ▪ Flowers & Bushes	2	15

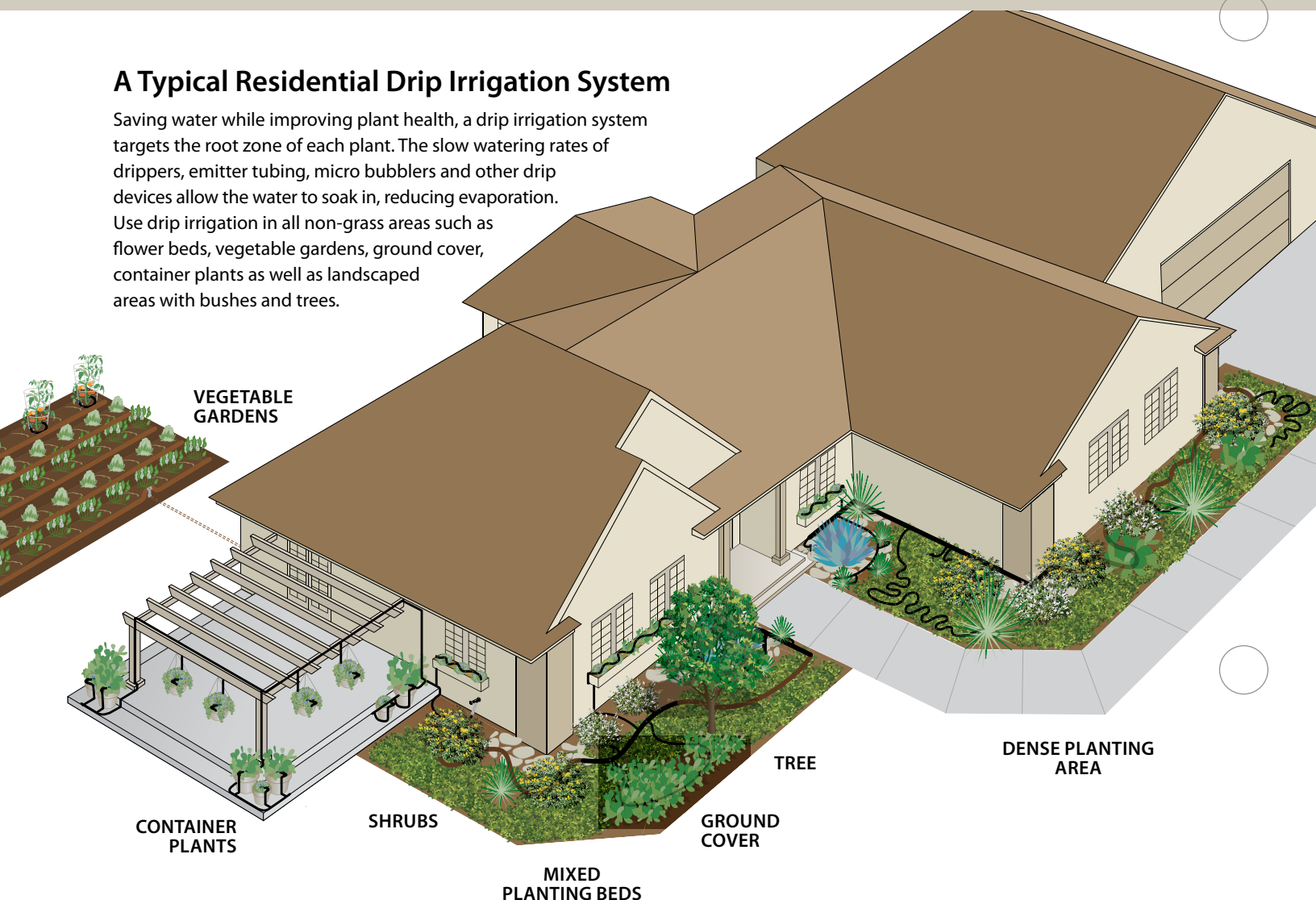
	Model	Description	Per Pack	Per Case
	MSF10PKSX	360° Fan, Riser Mount ▪ 0–11 GPH ▪ 0–4' Distance (Close In Watering) ▪ Closely Spaced Plants	10	20
	MSH10PKSX	180° Fan, Riser Mount ▪ 0–11 GPH ▪ 0–4' Distance (Close In Watering) ▪ Closely Spaced Plants	10	20
	MSQ10PKSX	90° Fan, Riser Mount ▪ 0–11 GPH ▪ 0–5' Distance (Close In Watering) ▪ Closely Spaced Plants	10	20
	RS4PKSX	360° Rotary Sprinkler, Riser Mount ▪ 0–33 GPH ▪ 0–14' Distance ▪ Ground Cover & Flowers	1	20
	MSFF2PKSX	360° Fan, Riser Mount ▪ 0–24 GPH ▪ 0–7' Distance ▪ Closely Spaced Plants	2	20
MICRO SPRAYS		SPECIALTY		
	MISTUB-1S	360° Flexible Mister ▪ 0–6 GPH ▪ 0–1.3' Distance ▪ Container Plants	1	15
	XPOPSQ-1S	180° Pop-Up Micro Spray ▪ 10–13 GPH ▪ 2.5' x 5' or 4' x 8' Distance ▪ Flowers & Bushes	1	12
	MSFF4PKSX	360° Staked Fan ▪ 0–24 GPH ▪ 0–7' Distance ▪ Closely Spaced Plants	4	15

	Model	Description	Per Pack	Per Case
	MICRO SPRAYS			
	RISERS, STAKES			
	MCSTK1PKS	Adjustable Staked Riser With 1/4" Tubing ▪ 18" Height ▪ Threaded Devices	1	8
	MWSTK-1S	Adjustable Staked Riser ▪ 18" Height ▪ Threaded Devices	1	8
	MPTRISERS	Riser ▪ 12" Height ▪ 1/2" MPT (Male Pipe Thread) ▪ Threaded Devices	1	30
	RISER1PKS	Staked Riser ▪ 12" Height ▪ Threaded Devices	1	30
DRIP IRRIGATION KITS				
	CNV182BUB	Spray To Drip Bubbler Conversion	1	6
	CNV182EMT	Spray To Dripper Conversion	1	6
	CNV2XBIRD	Riser To Drip Manifold Conversion	1	4
	DRIPPAILQ	Drip Repair & Expansion Kit	1	1
	LNDDRIPKIT	Landscape & Garden Drip Watering Kit	1	?
	LNDMSKIT	Landscape & Garden Micro Spray Watering Kit	1	?

	Model	Description	Per Pack	Per Case
	LND SWKIT	Landscape Watering Kit	1	4
	PATIOKIT	Potted Plant Watering Kit	1	6
	CNVZONKIT	Spray To Drip Zone Conversion	1	4
	STARTKTCS	Drip Watering Starter Kit	1	6
	WTRKT	Container Plant Watering Kit	1	6
AVAILABILITY SUBJECT TO STOCK ON HAND — Substitute: LNDDRIPKIT or LNDMSKIT				
	GRDNERKIT	Garden & Landscape Watering Kit	1	3
	GRDNRKT7S	Garden & Landscape Watering Kit	1	4

A Typical Residential Drip Irrigation System

Saving water while improving plant health, a drip irrigation system targets the root zone of each plant. The slow watering rates of drippers, emitter tubing, micro bubblers and other drip devices allow the water to soak in, reducing evaporation. Use drip irrigation in all non-grass areas such as flower beds, vegetable gardens, ground cover, container plants as well as landscaped areas with bushes and trees.



Suggested Watering Devices

Various watering devices can be used, depending upon plant types and spacing.



1/2" Emitter Tubing
for Row Plants in Vegetable Garden



Spot Watering
for Container Plants & Flower Boxes



Bubblers & Micro Sprays
for Shrubs, Trees & Dense Planting Areas



1/4" Emitter Tubing
for Ground Cover & Narrow Planting Areas



Hose-End Sprinklers & Kits

Easy To Install Watering Solutions



Introduction

Pop-Up Sprays
& Nozzles

Rotors

Impact Sprinklers

Timers

Valves

Accessories

Drip Irrigation

Hose End Products

Design Service



Hose-End Sprinklers & Kits

Featuring...

Professional grade Rain Bird watering solutions, now easily connected to your garden hose

Overview

The same high-quality Rain Bird components used in professionally installed systems

Choices for watering of lawns, flower beds, gardens, shrubs and other areas

Durable, long-lasting connections

Quick setup and flexible use all around the yard



Use a hose-end timer to control your drip watering zone or sprinklers.



	Timer	Sprinklers				Kits			Hose
	Automate Watering	Spiked Rotor	Staked Impacts	In-Ground Impact	In-Ground Hose Activated	In-Ground Automatic	Square Spray	Drippers & Bubbler	Premium Garden Hose
Model	1ZEHTMR	32SASP-C	25PJLSP	P5RLSP	LG3HE	32HE	32ETI	MSDMSP-KIT SWDMSP-KIT	PGH50 PGH75HF
Page	102	103				101		104	102



EASY TO INSTALL AUTOMATIC SPRINKLER SYSTEM

- » The first professional grade Rain Bird sprinkler system designed specifically for homeowner installation
- » Everything needed to water a small area up to 3000 sq ft



Features

Attaches to any outside faucet

Includes 6 high-efficiency rotors with patented Rain Curtain™ watering technology

Heavy duty timer features large readout screen and simple 7-day programming

Sprinklers retract into the lawn, same as professionally installed systems

32ETI



Scan to view
installation video:

<http://www.rainbird.com/homeowner/products/systems/32ETI.htm>

NEW

HOSE-END IN-GROUND SPRINKLER SYSTEM

Works With Your Hose. Just Click-n-Go!

Permanent watering solution with 4 high-efficiency Rain Bird rotors.

Set and forget. No need to move and adjust sprinklers each time you water.

Rotors retract out of sight – mow right over them.

Complete in-ground system, up to 3000 square feet of uniform coverage

32HE



Patented Rain Curtain™ nozzle technology covers evenly, resists wind-blown overspray.

Hose End Products



EASY TO PROGRAM HOSE END TIMER

- » Automate your hose-end sprinklers, drip irrigation system or soaker hose for better watering consistency
- » Large, easy to read dial and screen

Features

- Easy 7-day settings, water 1x or 2x per day
- One-touch override buttons for Manual Watering or Cancel Watering with Rain Delay up to 96 hours
- Rugged case and fittings for long lasting use
- High flow design for large area sprinklers
- Requires two AA batteries (purchased separately)

1ZEHTMR



Connect to hose (below) or combine with pressure regulator and filter for drip systems

NEW

PREMIUM RUBBER GARDEN HOSE

- » Constructed of 100% EDPM rubber — the professional gardener's choice for long-lasting durability
- » Heavy duty, nickel-plated brass couplings — won't crush or bend, even when run over by a vehicle
- » Choice of 50' x 5/8" Heavy Duty or 75' x 3/4" High Flow hose

Features

- Superior flexibility, easy to coil — even in freezing weather
- Hexagonal design with double-spiral reinforcing to resist kinking or puncture
- 3/4" high flow hose is ideal for pressure washing, lawn sprinklers and other uses requiring extended length and high water distribution
- Made in the U.S.A.



PGH50
5/8" x 50' Heavy Duty



PGH75HF
3/4" x 75' High Flow





Set it once, eliminate the hassle of setup and adjustment each time

HOSE-END IN-GROUND SPRINKLER

In-Ground Impact Sprinkler

Combines proven Rain Bird impact sprinkler reliability with convenient Click-n-Go™ hose connection

Simple, 3-step installation in a small hole — stays in place season after season

Retracts out of sight — mow right over it

Distance: 25' – 41'

LG3HE

360° 20°–360°



HOSE-END STAKED SPRINKLERS



Brass Deluxe Impact

Rugged, all metal construction

Heavy duty 8-inch step stake makes it easy to move sprinkler around the yard, even in hard packed clay soil

Same proven brass impact technology used in Rain Bird automatic systems

Straight through flow design for superior performance with dirty water

Distance: 20' – 41'

25PJLSP

360° 20°–360°



Plastic Impact

Same popular impact sprinkler technology used in Rain Bird automatic systems

Heavy duty 8-inch step take for ease of placement

PJ™ spray-guiding arm controls water stream and helps prevent side splash onto buildings and sidewalks

Water saving distance control dial adjusts for watering radius

Distance: 25' – 41'

P5RLSP

360° 20°–360°



Rotor

Ideal for watering shrub areas, ground cover and hillsides

Same proven gear drive and Rain Curtain™ nozzle technology as used in all Rain Bird rotors

Produces large water droplets that avoid wind blown overspray and improve coverage

Simple top adjustment for arc and spray distance

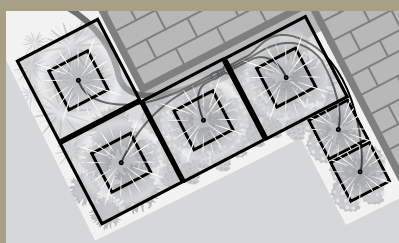
Distance: 19' – 32'

32SASP-C

360° 20°–360°



Rain Curtain™ technology avoids wind blown overspray and improves coverage consistency



Unique rectangular patterns are easy to use in any plant bed shape.



All-in-one watering hub with filter, pressure regulator and 6 ports to attach tubing runs

HOSE-END DRIP IRRIGATION KITS

Micro Spray Flower Bed Watering Kit

Water flowers, ground cover or other dense plantings

Includes 6 rectangular pattern sprays with high-rise stakes

All-in-one watering hub with filter, pressure regulator and 6 ports to attach tubing runs

Turn nozzles to adjust coverage from 5' to 8' square

Maximum coverage: 384 sq ft

Kit includes:

(50) ft of 1/4" tubing, (1) 30 psi pressure regulating hub, (6) staked risers, (6) rectangular pattern micro sprays

MSDMSP-KIT



Drip Irrigation Spot Watering Kit

Create a highly efficient drip watering system, easily attached to your hose

Up to 65% water savings compared to manual sprinklers

Covers 15 to 25 plants

Kit includes:

(50) ft of 1/4" tubing, (1) 30 psi pressure regulating hub, (12) watering devices with stakes — (4) 1.0 GPH emitters, (4) 2.0 GPH emitters, (2) Half pattern bubblers, (2) Full pattern bubblers

SWDMSP-KIT



	Item ID	Model	Description	Product Dimensions (W x H x D) inches	UPC	Per Pack	Per Case
HOSE-END TIMER							
	C10000	1ZEHTMR	Timer	6.5 x 5.5 x 3	077985024406	1	5
HOSE-END SPRINKLERS							
	C06220	LG3HE	In-Ground Impact	5.39 x 9.92 x 5.35	077985074081	1	8
	C06010	25PJLSP	Brass Impact	6.5 x 13.63 x 2.56	077985013707	1	5
	C06110	P5LSP	Plastic Impact	6.5 x 14.13 x 2.56	077985013714	1	5
	C06210	32SASP	Rotor	2.38 x 15 x 2.38	077985013721	1	12
HOSE-END WATERING KITS							
	S11001	32ETI	Easy To Install Automatic System	19.56 x 19.63 x 6.31 (Package)	077985037864	1	2
	C06230	32HE	Easy To Install Automatic System	19.56 x 19.63 x 6.31 (Package)	077985082093	1	2
	C06311	MSDMSPKIT	Micro Spray Flower Bed Watering Kit	9.25 x 10.75 x 2.31 (Package)	077985015329	1	5
	C06310	SMDMSPKIT	Drip Irrigation Spot Watering Kit	9.25 x 10.75 x 2.31 (Package)	077985015312	1	5
PREMIUM RUBBER GARDEN HOSE							
	C06226	PGH50	5/8" Garden Hose, 50 ft	9.75 x 9.75 x 5.5	077985078201	1	4
	C06227	PGH75HF	3/4" Garden Hose, 75 ft	13.3 x 11 x 6.5	077985079611	1	1



Sprinkler Design Service

For Homeowner/Residential Systems

Introduction

Pop-Up Sprays
& Nozzles

Rotors

Impact Sprinklers

Timers

Valves

Accessories

Drip Irrigation

Hose End Products

Design Service





To use the service, download the Design Request Worksheet

The form will help you organize and record the information needed by the designers. You will be asked to indicate your water pressure, water meter size, and service line size. And you can use the graph paper in the form to prepare a sketch of your property.

Download Worksheet:

<https://www.rainbird.com/homeowners/free-sprinkler-design-services>

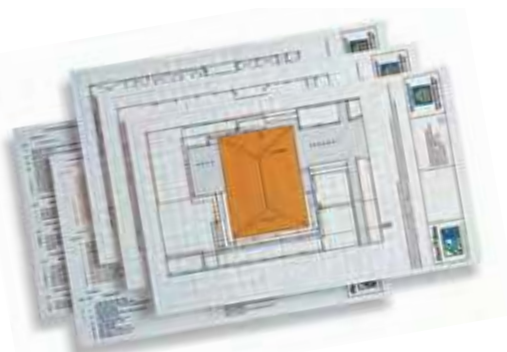
US AND CANADA SPRINKLER DESIGN SERVICE

» Homeowner/Residential Systems Only

Overview

Providing professional advice and planning assistance direct from the industry's leading manufacturer, this comprehensive service includes:

- 1) Complete set of sprinkler system plans and drawings for your property
- 2) Itemized shopping list of everything needed to complete the project
- 3) Continuing technical support hot line 1-800-RAINBIRD



Comprehensive Plan Options

OPTION 1: Email Service

Receive your system design by email.

Free. Approximately 10 business days.

OPTION 2: Standard Service

Receive a printed system design plan and installation guide by mail.

Additional fee. Approximates 5–7 business days.

OPTION 3: Rapid Response Service

Expedited service.

Receive a printed system design, installation guide and DVD by express delivery.

Additional fee. Approximately 2 business days.

The Intelligent Use of Water[®]

LEADERSHIP • EDUCATION • PARTNERSHIPS • PRODUCTS

At Rain Bird, we believe it is our responsibility to develop products and technologies that use water efficiently. Our commitment also extends to education, training and services for our industry and our communities.

The need to conserve water has never been greater. We want to do even more, and with your help, we can. Visit www.rainbird.com for more information about The Intelligent Use of Water.™



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