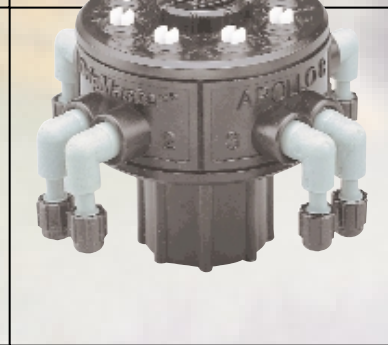
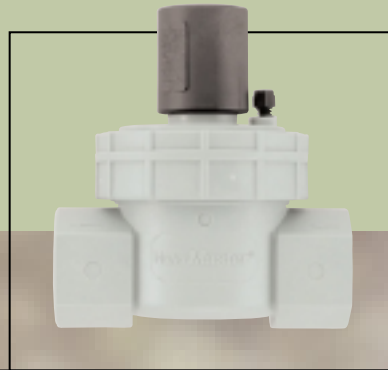




IRRIGATION PRODUCTS, INC.

Product Catalog



2003

C O N S E R V A T I O N T H R O U G H I N N O V A T I O N



IRRIGATION PRODUCTS, INC.



***Experience.
Complete.
Quality.***



Over 30 years of satisfied customers

www.orbitonline.com

Contact: 1-800-488-6156

1-801-299-5555

Orbit® Irrigation Products, Inc.
North Salt Lake, UT 84054 USA

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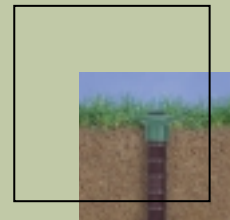
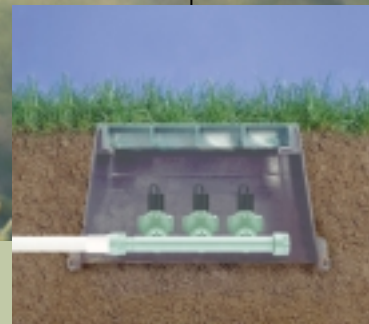
 Products with the world symbol are available in multi-language packaging. Tri-language packaging includes: English, French, and Spanish.
Multi-Language packaging includes: English, French, Spanish, Italian, and German.



WaterMaster

Underground

Timers
Valves
Sprinklers
Accessories



Automatic Sprinkler Timers



All Orbit® timers are easy to program, use, and understand. Each timer offers distinct features, allowing value price points to be set for each timer.

The new Dual Program Timer with Remote Control allows the home owner remote access to their timer. This simplifies and reduces the wasted time walking back and forth to the timer while installing, adjusting, maintaining, and testing the sprinkler system.



Automatic Sprinkler Timers



Dual Program Slide Switch Sprinkler Timer— Indoor Mount

57004 4 Stations 57006 6 Stations
57008 8 Stations 57122 12 Stations

- Independent dual watering programs
- Easy to program slide switches provide at-a-glance review of station watering time
- Pump or master valve operation signal
- Water-saving rain delay feature
- Large, easy-to-read display
- Built-in calendar keeps track of odd/even days and leap years
- Smart Scan™ Circuit Protection detects faulty station wiring, without interrupting watering, and cycles on to another station
- Up to eight available start times per valve per day

Plug-in Transformer Power

Input: 120 VAC +/- 10%, 60 HZ

Output: 26 VAC @ 600 mA



Dual Program Slide Switch Sprinkler Timer— Outdoor/Indoor Mount

57606 6 Stations
57012 12 Stations

- Heavy-duty weather-resistant cabinet with lock and key
- 1/2" inlet for 110 VAC wiring
- Independent dual watering programs
- Easy to program slide switches provide at-a-glance review of station watering time
- Pump or master valve operation signal
- Water-saving rain delay feature
- Large, easy-to-read display
- Built-in calendar keeps track of odd/even days and leap years
- Smart Scan™ Circuit Protection detects faulty station wiring, without interrupting watering, and cycles on to another station
- Up to eight available start times per valve per day

Built-in Transformer Power

Input: 120 VAC +/- 10%, 60 HZ

Output: 26 VAC @ 600 mA

Automatic Sprinkler Timers



Super Dial Dual Program Sprinkler Timer— Indoor Mount

57964 4 Stations 57966 6 Stations
57969 9 Stations 57962 12 Stations

- Large dial and rubberized buttons make programming simple
- Independent dual watering programs
- Pump or master valve operation signal
- Water-saving rain delay feature
- Built-in calendar keeps track of odd/even days and leap years
- Programs with two AA batteries
- Easy connect wire terminal
- Wire shroud protects timer and wire connectors
- Up to eight available start times per valve per day

Plug-in Transformer Power
Input: 120 VAC +/- 10%, 60 Hz
Output: 26 VAC @ 600 mA



Super Dial Dual Program Sprinkler Timer— Outdoor/Indoor Mount

57974 4 Stations 57976 6 Stations
57979 9 Stations 57972 12 Stations

- Large dial and rubberized buttons make programming simple
- Weather resistant locking door protects timer and wire connectors
- Outdoor or Indoor Connection
- Independent dual watering programs
- Pump or master valve operation signal
- Water-saving rain delay feature
- Built-in calendar keeps track of odd/even days and leap years
- Programs with two AA batteries
- Easy connect wire terminal
- Up to eight available start times per valve per day

Built-In Transformer Power
Input: 117 VAC +/- 10%, 60 Hz
Output: 26 VAC @ 600 mA



Automatic Sprinkler Timers



Dual Program Sprinkler Timer—Indoor Mount

57114 4 Stations

57161 6 Stations

- Independent dual watering programs
- Water-saving rain delay feature
- Built-in calendar keeps track of odd/even days and leap years
- Programs with two AA batteries
- Up to eight available start times per valve per day

Plug-in Transformer Power

Input: 120 VAC +/- 10%, 60 Hz

Output: 26 VAC @ 0.30 A



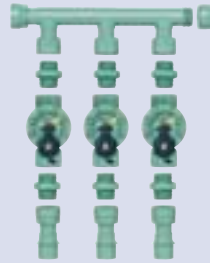
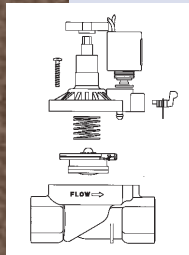
NEW! 57016 Dual Program Sprinkler Timer with Remote Control—Indoor Mount

- On-site remote is great for installation, testing, maintenance, and adjustment.
- Remote allows the homeowner to operate the timer anywhere on their property (up to 200' away)
- Control each station manually without altering the timer's set program
- Independent dual watering programs
- Water-saving rain delay feature
- Built-in calendar keeps track of odd/even days and leap years
- Programs with two AA batteries
- Up to eight available start times per valve per day

Automatic Sprinkler Valves



VALVES



Orbit®'s automatic inline and anti-siphon valves are designed and manufactured for trouble-free operation. They are also compatible with most brands of 24-volt timer and are available with a female thread or solvent weld connection.

The Pre-Assembled union manifold installs in three easy steps:

1. Connect manifold to water source.
2. Connect the individual line stations to each valve.
3. Connect and run sprinkler wire from valves to timer.

The Pre-Assembled Manifold System allows future expansion, simply unscrew the end cap and add another valve. Valve replacement is simplified with the use of union connections.



NEW! 57461 1" NPT Threaded Automatic Inline Jar Top Valve—Without Flow Control

- Threaded easy-open jar top lid
- Heavy-duty non-corrosive construction
- Easy-to-connect
- Bleed screw for manual on/off operation
- Replaceable low voltage solenoid



57111 1" FNPT Automatic Inline Sprinkler Control Valve—Without Flow Control

- Bleed screw for manual on/off operation
- Replaceable low voltage solenoid
- Durable, non-corrosive plastic construction
- For use with 3/4" or 1" PVC (reducer not included)

Automatic Sprinkler Valves



Automatic Inline Sprinkler Control Valve—With Flow Control

57102 3/4" FNPT

57103 1" FNPT

- Adjustable flow control stem
- Durable, non-corrosive plastic construction
- Replaceable low voltage solenoid
- Internal bleed level for manual on/off operation
- Unique balanced diaphragm design



Automatic Inline Sprinkler Control Valve—Without Flow Control

57100 3/4" FNPT

57101 1" FNPT

57105 1" Slip

- Durable, non-corrosive plastic construction
- Replaceable low voltage solenoid
- Internal bleed lever for manual on/off operation
- Unique balanced diaphragm design



57020 1" FNPT Automatic Inline or Angle Sprinkler Control Valve—With Flow Control

- Installs as angle or inline connection (plug included)
- Adjustable flow control stem
- Replaceable low voltage solenoid
- Bleed screw for manual on/off operation

Sprinkler Valves & Accessories



Automatic Anti-siphon Sprinkler Control Valve—With Flow Control

57223 3/4" FNPT 57321 3/4" Slip
57224 1" FNPT

- Prevents contaminants from entering household water supply
- Adjustable flow control stem
- Internal bleed lever for manual on/off operation
- Replaceable low voltage solenoid
- Durable, non-corrosive plastic construction



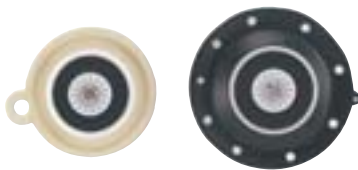
57023 3/4" FNPT Automatic Anti-siphon Sprinkler Control Valve—With Flow Control

- Prevents contaminants from entering household water supply.
- Adjustable flow control stem
- External Bleed screw for manual on/off operation
- Replaceable low voltage solenoid
- Durable, non-corrosive plastic construction
- Listed by International Association of Plumbing Mechanicals Office—IAPMO (UPC)



Automatic Valve Converter—With Flow Control

- 57029 3/4" NPT
57030 1" and 3/4" NPT
- Converts manual sprinkler valve to automatic
 - 57030 includes a ring adapter required to convert most brands of 1" or 3/4" manual valves to automatic
 - External bleed screw for manual on/off operation



Valve Diaphragm Repair Kits

- 57045 for 57100 Series Valves—Internal Bleed
57046 for 57020 & 57019 Valves—External Bleed
57058 for 57200 & 57300 Series Valves—Anti-siphon
- Available in inline external bleed, inline internal bleed, and anti-siphon
 - Replacement diaphragm for Orbit® Automatic Sprinkler Valves



Pre-assembled Valve Manifolds & Accessories



Pre-assembled Inline Sprinkler Valve Manifold

57150 2 Valves

57150D 2 Valves includes Poly Fittings

57153 3 Valves

57153D 3 Valves includes Poly Fittings

57168 4 Valves

- Kits includes fittings and valves needed to make an inline valve manifold
- For use with 3/4" or 1" PVC mainline, PVC pipe, also available for poly sprinkler head lines
- Hassle-free, clean, and compact manifold system
- No special tools required. Unions allow for easy assembly and replacement of valves



57172 Pre-assembled Anti-siphon Sprinkler Valve Manifold

- Kits includes fittings and valves needed to make an anti-siphon valve manifold
- For use with 3/4" or 1" PVC mainline and PVC pipe
- Hassle-free, clean, and compact manifold system
- No special tools required. Unions allow for easy assembly and replacement of valves



Pre-assembled Inline and Anti-siphon Manifold Fittings

57149 3/4" PVC Slip Adapter

57158 1" PVC Slip Adapter

57147 3/4" Poly Adapter

57151 1" Poly Adapter

57148 3/4" x 1" MPT Transition Adapter

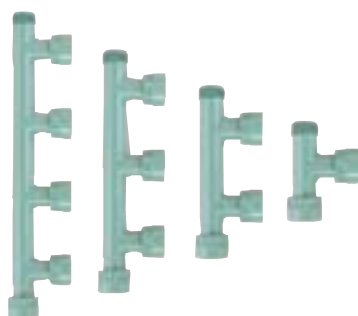
57159 1" x 1" MPT Transition Adapter

57160 End Cap

57170 Anti-siphon Slip Adapter

57171 Anti-siphon Threaded Adapter

- Fittings to connect, expand, or repair pre-assembled valve manifolds
- No special tools required. Adapters connect manifold to PVC or poly pipe



Manifold Extensions with Unions

57154 1 Port

57155 2 Port

57156 3 Port

57157 4 Port

- Use to assemble a valve sprinkler manifold
- Expandable manifolds easily connect together



Timer & Valve Accessories



Timer and Valve Parts

- 57005 Grease Cap
- 57041 24-Volt Solenoid
- 57002 Grease Cap Kit
- 57505W Grease Cap with Wire Nuts
- 57055 Anti-siphon Seal Carrier

Includes:

- (4) - Grease Caps
- (4) - Wire Nuts
- (4) - Fork Connector

- Fittings for repairing or connecting automatic sprinkler valves



57090 Weather Resistant Timer Box

- For outdoor installation of most brands of indoor timers
- Easy to install contains convenient knock-out plugs
- Sub-plate ensures safe handling of 120 VAC wires
- Tamper-proof hinged lid with lock and key

*Timer and transformer not included



NEW! 57098 Rain Sensor

- Conserve water by automatically interrupting watering cycle during rainfall
- Includes both metric and standard measurements
- Adjustable settings



57009 Pump Start Relay

- Automatically activates pump for watering
- Weather-resistant plastic case
- Simple, trouble-free design

Valve Boxes & Accessories



57040 Transformer

- 24 VAC 750 mA
- Interchangeable with most brands of 24-volt sprinkler timers



UF/UL® Sprinkler Wire

57092 7 Strand x 50' 57088 7 Strand x 100'
57094 5 Strand x 50' 57093 5 Strand x 100'

- Multi-conductor control wire with PVC jacket for direct burial
- Each wire in the strand will adequately handle one solenoid valve up to a maximum of 800'



Rock Valve Box Cover

53016 Granite
53017 Sandstone

- Protect valves from damage due to sunlight or weather
- Made with weather-resistant material
- Fits up to four anti-siphon valves
- Fits easily over most 20" jumbo boxes



Valve Boxes

53019 20" Jumbo Box 53030 12" Standard Box
53119 20" Jumbo Extension Box 53150 12" Standard Extension Box
53157 20" Jumbo Lid 53152 12" Standard Lid

- Durable long lasting construction
- Built-in nut for locking lid
- Overlapping lid to keep sand and dirt out



Circular Valve Boxes

53021 6" Box 53024 10" Box 53029 32" to 54" Curb Box
53155 6" Lid 53156 10" Lid

- Durable long lasting construction
- Ideal for sprinkler valves or drip manifolds
- Twist-locking cover

Sprinkler Heads



Orbit® Irrigation manufactures sprinkler heads for every watering need. Small area heads (used for gardens, flower beds, and ground cover) flood or stream a 3' to 5' area and allow precise water flow adjustment.



Medium area sprinkler heads are ideal for front yard, side yard, park strips, and/or areas where 10' to 15' coverage is needed. Sprinkler heads with 25° to 360° adjustable pattern nozzles further simplify planning and installation. Two top choices are the Hard Top™ metal cap sprinkler, ideal for high traffic areas and the Soft Top™ rubberized cap sprinkler, great for interior areas that need a cushioned feel.



Large area sprinkler heads are best used in large open grass areas, such as backyards, where 20' to 45' coverage is desired. Orbit® offers several choices for the home owner including the best selling Voyager II® Gear Drive Sprinkler Head.



Impact Sprinkler Heads



Satellite® Pop-Up Impact

55012 Graphic Box
55026 Bulk

- 1/2" threaded side or bottom inlet
- Heavy-duty, non-corrosive construction
- Universal—replaces most impact and gear stream heads
- Area coverage up to 80' diameter—full or part circle



55100 Super-Jet® Pop-Up Impact

- 1/2" threaded side or bottom inlet
- Area coverage up to 40' diameter—full or part circle
- Raises 3" above sod level



NEW! 55082 Above Ground Shuttle™ Impact Rotor

- 1/2" MPT connection
- Easy to set dial and set arc adjustment requires no tools
- Spray pattern easily adjust from 25° to 360°
- Area coverage 33'–41' radius—full or part circle



1/2" Orbit Jet™ Plastic Impact Head

55011 Carded
55010 Display Box

- Standard 1/2" MPT connection
- Full or part circle adjustable coverage
- Area coverage 20'–40' radius
- Brass weighted arm for smooth, even rotation
- Anti-backsplash arm

Brass Impacts & Gear Drive Sprinkler Heads



1/2" Brass Impact Head

55003 Display Box

55032 Carded

- Universal—works with or replaces most 1/2" impact or impulse heads
- Distance adjustment and anti-backsplash arm
- Area coverage 20'–40' radius
- Adjustable—full or part circle



55016 3/4" Adjustable Brass Impact

- 3/4" MNPT connection
- Double brass 3/16" and 3/32" nozzles
- Area coverage 25'–48' radius—full or part circle
- Stainless steel arm spring, trip spring, trip collars, and trip pin
- Anti-backsplash tube



55110 3/4" Full Circle Brass Impact Head

- 3/4" MNPT connection
- Area coverage 45' radius at 45 psi —full circle coverage
- 3/32" and 3/16" Double Brass Nozzle
- Combines quality with competitive pricing



Voyager II® Pop-up Gear Drive Head

55060 Clam

55061 Display Box

55361 4 Pack

- Ideal for medium to large area coverage
- Area coverage 25'–40' radius
- Adjustable full or part circle coverage



Saturn III® Pop-up Gear Drive Head

55059 Clam

55069 Display Box

- Ideal for medium to large area coverage
- Area coverage 15'–30' radius
- Adjustable full or part circle coverage

Pre-assembled & Spring-Loaded Sprinkler Heads



Gear Drive Sprinkler Accessories

- 55070 Voyager II® Adjustment Key
 - 55071 Voyager II® Standard Nozzles
 - 55072 Voyager II® Low Angle Nozzles
 - 55075 Saturn III® Nozzles
 - 55073 Voyager II® Nozzle Collar
- Accessories for Voyager II® and Saturn III® Gear Drives



54111 2" Pre-assembled Swing Joints and Heads with Adjustable Nozzles

- 8 pack set includes components for one sprinkler station
- Convenient—flush plugs simplify installation and prevent debris from entering sprinkler line
- Complete—flexible assembly allows for precise sprinkler placement distance adjustment
- Nozzle adjusts to any spray pattern from 25°–360°



Pre-assembled Sprinkler Head and Swing Assembly with Adjustable Nozzle

- 54311 2"
- 54312 4"
- Flexible assembly allows for precise sprinkler placement
- Nozzle adjusts to any spray pattern from 25°–360°
- Attach to sprinkler line as a top or side outlet
- PVC fitting not included



Hard Top™ Spring-Loaded Pop-up Head with Adjustable Nozzle

- 54115 2"
- 54118 4"
- Metal top adds Long-lasting durable construction
- Ratchet feature allows easy spray direction adjustment
- Instant pattern nozzle easily adjusts from 25°–360°



Soft Top™ Spring-Loaded Pop-up Head with Adjustable Nozzle

- 54113 2"
- 54114 4"
- Soft top adds a flexible cushioned grip
- Ratchet feature allows easy spray direction adjustment
- Instant pattern nozzle easily adjusts from 25°–360°

Spring-Loaded Sprinkler Heads



Spring-Loaded Pop-up Head with Adjustable Nozzle

54116 2"

54117 4"

- Long-lasting durable construction
- Ratchet feature allows easy spray direction adjustment
- Instant pattern nozzle easily adjusts from 25°–360°



Spring-Loaded Pop-up Body with Flush Plug and Adjustable Nozzle

54080 2"

54081 4"

- Flush cap allows line flushing and helps prevent debris from entering body
- Includes instant pattern nozzle that easily adjusts from 25°–360°
- Ratchet feature allows easy spray direction adjustment
- Heavy-duty spring and wiper insures stem retraction



2" Spring-Loaded Pop-up Head with Brass Nozzle

54016 Full

54017 Half

54018 Quarter

54019 Three-Quarter

54127 Center Strip

- Solid brass adjustable flow nozzle
- Wiper seal keeps out sand and grit
- Stainless steel retraction spring
- Drop-in filter helps prevent plugged nozzle



2" Spring-Loaded Pop-up Head with Plastic Nozzle

54128 Full

54129 Half

54130 Quarter

54131 Three-Quarter

54160 End Strip

54161 Center Strip

54162 Side Strip

- Durable plastic nozzle
- Wiper seal keeps out sand and grit
- Stainless steel retraction spring
- Easy twist off cap



4" Spring-Loaded Pop-up Head with Plastic Nozzle

54153 Full

54154 Half

54155 Quarter

54156 Three-Quarter

54164 End Strip

54165 Center Strip

54166 Side Strip

- Durable plastic nozzle
- Wiper seal keeps out sand and grit
- Stainless steel retraction spring
- Easy twist off cap



Pop-Up & Flush Sprinkler Heads



2" Spring-Loaded Pop-up Economy Head with Plastic Nozzle

- 54228 Full 54229 Half
- 54230 Quarter 54231 Three-Quarter
- 54260 End Strip 54261 Center Strip
- 54262 Side Strip

- Durable plastic nozzle
- Wiper seal keeps out sand and grit
- Stainless steel retraction spring



4" Spring-Loaded Pop-up Economy Head with Plastic Nozzle

- 54253 Full
- 54254 Half
- 54255 Quarter

- Durable plastic nozzle
- Wiper seal keeps out sand and grit
- Stainless steel retraction spring



Brass Pop-up Head with Brass Nozzle

- 54070 Full 54071 Half
- 54072 Quarter 54073 Three-Quarter
- 54074 Center Strip

- Solid brass construction
- Flow adjustment screw
- Rises 1 3/4" above sod level



Plastic Pop-up Head with Brass Nozzle

- 54027 Full 54028 Half
- 54029 Quarter 54124 Three-Quarter
- 54125 Center Strip

- Ideal for watering lawn and garden areas
- 1/2" FNPT inlet
- Brass flow adjustment screw
- Rises 1 3/4" above sod level



Plastic Flush Head with Plastic Nozzle

- 54005 Full
- 54006 Half
- 54007 Quarter

- 1/2" threaded inlet
- Large flange
- Brass flow adjustment screw
- Mounts flush with ground



Shrub Sprinkler Heads



54020 Adjustable Shrub Head

- 1/2" FNPT inlet
- Instant pattern nozzle that easily adjusts from 25°–360°
- Easy-clean filter
- Filter prevents debris clogs
- Brass flow adjustment screw



NEW! 37330 Adjustable Height Aluminum Shrub Sprinkler Head

- Adjustable from 16" to 30" in height as plants grow
- Instant pattern nozzle easily adjusts from 25°–360°
- 1/2" x 5/8" NPT male threaded



Brass Shrub Heads with Brass Nozzle

- | | |
|---------------|--------------------|
| 54030 Full | 54031 Half |
| 54032 Quarter | 54035 Center Strip |
- 1/2" FNPT inlet
 - Solid brass construction
 - Brass flow adjustment screw



Plastic Shrub Head with Brass Nozzle

- | |
|---------------|
| 54038 Full |
| 54039 Half |
| 54040 Quarter |
- 1/2" FNPT inlet
 - Solid brass insert nozzle
 - Filter prevents debris clogs



Plastic Shrub Head with Plastic Nozzle

- | | |
|--------------------|---------------------|
| 54009 Full | 54010 Half |
| 54011 Quarter | 54012 Three-Quarter |
| 54013 Center Strip | |
- 1/2" FNPT inlet
 - Durable plastic insert nozzle
 - Filter prevents debris clogs

Shrub Sprinkler Heads & Nozzles



54042 Mushroom Bubbler II™

- 1/2" FNPT inlet
- Solid plastic Construction
- Inlet filter basket prevents debris clogs
- Finger flow adjustment
- Adjusts from full-flow to light trickle



54119 Plastic Mushroom Bubbler

- 1/2" FNPT Inlet
- Stainless steel flow adjustment screw
- Inlet filter basket prevents debris clogs
- Adjusts from full-flow to light trickle



Plastic Stream Bubbler

- 54150 Full-11 Jets
- 54151 Half-7 Jets
- 54152 Quarter-4 Jets
- 54159 Strip-6 Jets
- Stainless steel flow adjustment screw
- Inlet filter basket prevents debris clogs
- Adjusts from full-flow to light trickle



Replacement Nozzles

- 53486 7' Adjustable
- 53482 10' Adjustable
- 53483 12' Adjustable
- 53484 15' Adjustable
- 53485 17' Adjustable
- 54488 22 Piece Assortment-Includes:
 - (2) - 17' Nozzle
 - (2) - 15' Nozzle
 - (2) - 12' Nozzle
 - (2) - 10' Nozzle
 - (2) - 7' Nozzle
 - (10) - Filters
 - (2) - Shrub Bodies
 - (1) - Refillable Box
- Adjustable nozzles for use with male stem spring-loaded pop-up heads or shrub adapters
- Adjustable nozzles fully adjust from 25-360°



Brass Replacement Nozzles

- 53050 Full Brass
- 53051 Half Brass
- 53053 Three-Quarter Brass
- 53052 Quarter Brass
- 53054 Strip Brass
- Brass replacement nozzles for Orbit® Springloaded Pop-ups, Shrub, and Pop-ups

Cutting Tools & Accessories



26096 Professional Pipe Cutting Tool

- Cuts plastic pipe up to 1 3/4" in diameter
- Heavy-duty steel construction
- Replaceable power-point blade
- Hooked jaws, locking handles, and switch blade release
- Built-in ratchet assembly



26086 Plastic Pipe Cutting Tool

- Cuts plastic pipe up to 1" in diameter
- Sharp, heat-treated, stainless steel replaceable blade
- Hooked jaws, locking handles, and switch blade release
- Built-in ratchet assembly
- Replacement blade part number 53268



26085 Plastic Pipe Cutting Tool

- Cuts plastic pipe up to 1" in diameter
- Heavy-duty aluminum and steel construction
- Sharp, heat-treated, steel replaceable blade
- Rubber covered handles
- Built-in ratchet assembly
- Replacement blade part number 53267



26090 2" Plastic Pipe Cutting Tool

- Cuts plastic pipe up to 2" in diameter
- Heavy-duty aluminum and steel construction
- Easily cuts through pipe, leaving no burrs
- Hooked jaws hold pipe in place
- Built-in ratchet assembly
- Replacement blade part number 53284



Tools & Accessories



26098 Sprinkler Tool Kit

- For maintenance and installation
- Includes:
 - (1) - Plastic Nipple Extractor Handle
 - (1) - 1/2" Nipple Extractor
 - (1) - 3/4" Nipple Extractor
 - (1) - 1/2"-1" PVC Cutting Tool
 - (1) - Head Adjustment Screwdriver
 - (1) - Pipe Thread Tape



Plastic Nipple Extractor

26073D 1/2" Professional
26074D 3/4" Professional
26076 1/2" and 3/4" 3 Piece Combo

- Extra long solid steel handle
- Plastic coated handle for a comfortable grip that won't slip



53028 5" Plastic Spray Guard

- Durable plastic construction
- Prevents grass from growing over sprinkler heads



Pipe Thread Tape

31273 1/2" x 520'
31275 3/4" x 520'

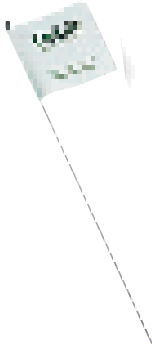
- Use to seal threaded joints on metal or plastic pipe fittings

Tools & Accessories



53333 Walkway Tunnel Kit

- Durable plastic construction
- Adapts to 3/4" or 1" PVC pipe
- Connects to standard garden hose
- Jet stream nozzle is ideal for tunneling under driveways, walkways, etc.



Sprinkler Flags

53326 Bulk

53327 10 per bundle/Display Box

- For marking locations of heads, valves, and drains
- 15" Length



53020 Pressure Gauge

- Gauges water pressure up to 200 psi
- 3/4" FHT inlet with hose washer



Aluminum Head Wrenches

53270 Satellite® Head Wrench

53310 Super Jet® Head Wrench

53027 Medium Area Sprinkler Head Wrench

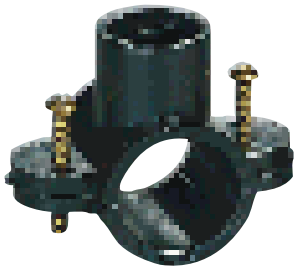
- Use to install and remove sprinkler heads and insert nozzles
- Die-cast metal construction

Tools & Accessories



26097 Emergency Gas and Water Shut-off Tool

- Shuts off gas and water mains
- Opens standard and Texas system meter covers
- Glow in the dark comfort grip



Plastic Saddle Tees

37120 3/4" x 1/2"

37121 1" x 1/2"

- Plastic tee with brass screws
- Rubber gasket for sure seal
- Use with polyethylene pipe



Gear Clamps

37097D 3/8" to 7/8"

37098D 1/2" to 1 1/4"

- Stainless steel band
- Nickel-plated zinc screw



1/2" PVC Risers

38081 1/2" x Close

38160 1/2" x 1 1/2"

38082 1/2" x 2"

38083 1/2" x 3"

38084 1/2" x 4"

38085 1/2" x 5"

38086 1/2" x 6"

38088 1/2" x 8"

38090 1/2" x 10"

38091 1/2" x 12"

38094 1/2" x 18"

38095 1/2" x 24"

38143 1/2" x 36"

38144 1/2" x 48"

- Molded gray schedule 80 PVC construction
- Tapered inside ends allow standard pop-up heads to slide up and down without restriction
- Not for use under continuous pressure

Risers



3/4" PVC Risers

38096 3/4" x Close	38097 3/4" x 2"	38098 3/4" x 3"
38099 3/4" x 4"	38100 3/4" x 5"	38101 3/4" x 6"
38109 3/4" x 8"	38110 3/4" x 10"	38102 3/4" x 12"
38165D 3/4" x 18	38166D 3/4" x 24"	

- Molded gray schedule 80 PVC construction
- Tapered inside ends allow standard pop-up heads to slide up and down without restriction
- Not for use under continuous pressure



1" PVC Risers

38103 1" x Close	38104 1" x 2"	38105 1" x 3"
38108 1" x 6"	38232 1" x 12"	38856 1" x 24"

- Molded gray schedule 80 PVC construction
- Tapered inside ends allow standard pop-up heads to slide up and down without restriction
- Not for use under continuous pressure



1/2" Plastic Risers

37064 1/2" x 2"	37065 1/2" x 3"
37066 1/2" x 4"	37067 1/2" x 5"
37068 1/2" x 6"	37130 1/2" x 8"
37132 1/2" x 12"	

- Molded, black plastic material
- Tapered inside ends allow standard pop-up heads to slide up and down without restriction
- Not for use under continuous pressure



Multi-Flex® Riser

37111 1/2" Male x 4" Male	37112 1/2" Male x 6" Male
37127 1/2" Male x 4" Female	37128 1/2" Male x 6" Female

- Protects pipe connections from breaking
- Flexible plastic composition allows constant bending with out breaking
- Not for use under continuous pressure



Cut-off Riser

37069 1/2" x 6"	37169 1/2" x 12"
37113 3/4" x 6"	37114 1/2" x 3/4" x 6"
37126 1/2" x 6" Multi-Flex®	

- Molded, Polyethylene material
- Riser can be cut to desired length
- Not for use under continuous pressure



37217 1/2" Male x 3/4" Male Riser Extension Adapter

- Adapts sprinkler heads to 1/2" or 3/4"
- Sturdy, plastic construction
- Not for use under continuous pressure



37017 1/2" x 2 1/2" Cut-off Riser Extension

- Riser extension can be cut to desired length
- Use to raise sprinkler heads above grass level
- Not for use under continuous pressure



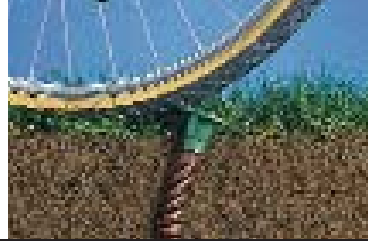
38233D 1/2" x 12" Spring-Loaded Riser

- 12" canister with 10" rising stem
- Retracts when water is turned off
- 1/2" MNPT x 1/2" MNPT connection



NEW! 37331 Adjustable Height Plastic Shrub Riser

- Adjustable from 16" to 30" in height as plants grow
- 1/2" MPT x 1/2" MPT
- Compatible with any 1/2" female sprinkler head



Risers & Fittings



Swing Joint Elbow

37163 1/2" MNPT x FNPT

37164 3/4" MNPT x FNPT

- Ideal for installing swing joints
- Durable polyethylene construction
- Not for use under continuous pressure



Riser Flex Pipe

37150 1/2" x 18"

37151 1/2" x 24"

37153 1/2" x 10'

37154 1/2" x 50'

38931 1/2" x 100' Pro Blend

- Extruded, high-grade plastic tubing
- Ideal for installing sprinkler heads without the use of risers



Riser Flex Fittings

37160 1/2" MNT x Barb Male Adapter

37159 1/2" MNPT x Barb 90° Elbow

37165 1/2" Barb Coupling

37167 1/2" Barb x MPT x FPT Adapter

37260 1/2" FNPT x Barb Adapter

37145 45 Piece Riser Flex Kit

- For use with 1/2" Riser Flex Pipe
- Molded, high-impact, plastic construction
- Ideal for connecting sprinkler heads to fittings from existing or new installations without the use of pipe clamps

37161 3/4" MNPT x 1/2" Barb Male Adapter

37162 3/4" MPT x 1/2" Barb Elbow

37166 1/2" Barb Tee

37259 1/2" FNPT x Barb 90° Elbow

NEW! 37310 1/2" MPT x FPT Swivel



Pre-assembled Swing Joints

37263 1/2" x 1/2" x 6"

37264 1/2" x 1/2" x 12"

37265 1/2" x 3/4" x 12"

37266 1/2" x 1/2" x 12" with Auto Drain*

- Simplifies installing a swing joint
- Ideal for placing heads in hard-to-reach areas

*Auto-drain helps prevent freezing of sprinkler lines

†Sprinkler head not included



Multi-Flex® Flexible Risers

37320 1/2" x 12"

37321 1/2" x 18"

37322 1/2" x 3/4" x 18"

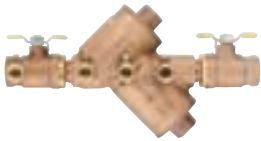
- Flexible tubing allows for bending without breaking
- Ideal for placing heads in hard-to-reach areas

Sprinkler System Accessories



51054W 3/4" Hose Bib Anti-siphon Valve

- 3/4" FHT x MHT connection
- Anti-siphon coupling stops backflow of contaminants through garden hose
- Brass construction



Brass Double Check Valve Assembly

51050 3/4"

51051 1"

- Prevents harmful contaminants from siphoning back into the water supply
- Heavy-duty brass construction
- Positive backflow prevention
- Acts as a main shut-off valve for underground sprinkler systems
- For indoor or outdoor applications



Brass Pressure Vacuum Breaker

51057 3/4"

51058 1"

- Prevents harmful contaminants from siphoning back into the water supply
- Heavy-duty brass construction
- Positive backflow prevention
- Acts as a main shut-off valve for underground sprinkler systems
- For outdoor applications

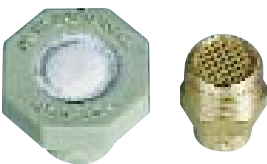


Brass Atmospheric Vacuum Breaker

51059 3/4" FNPT

51060 1" FNPT

- Heavy cast brass body
- Designed to prevent contaminants from entering the main water supply through sprinkler heads
- Not designed to be used as a main-line anti-siphon device



Automatic Drain Valve

51040 1/2" Plastic

51041 3/4" Plastic

51039 1/2" Brass

51140 1/2" Plastic; 10/Bag

- Drains sprinkler lines when water is turned off
- Helps prevent freezing of sprinkler lines

Brass Sprinkler Valves



Brass Anti-siphon Control Valves

51016 3/4" NPT Less Union

51017 1" NPT Less Union

- FNPT heavy cast brass body
- Full-flow control valve and anti-siphon combination
- Designed to prevent contaminants from entering the main water supply



Plastic Anti-siphon Control Valves

51022 3/4" NPT

51023 1" NPT

- FNPT PVC construction
- Full-flow control valve and anti-siphon combination
- Designed to prevent contaminants from entering the main water supply
- Ratchet handle prevents over tightening damage



Brass Angle Control Valves

51006 3/4" NPT Less Union

51007 1" NPT Less Union

- Full-flow with rising stem
- Heavy-duty cast brass construction
- Rated at 150 psi working pressure
- Cross handle



Brass Straight Control Valves

51001 3/4" NPT

51002 1" NPT

- Full-flow with rising stem
- Heavy-duty cast brass construction
- Rated at 150 psi working pressure
- Cross handle



Brass Quick Coupler Keys and Valves

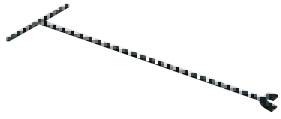
51031 3/4" Key

51029 3/4" FNPT Valve

- Use key with quick coupler valves
- One piece brass construction
- Single lug metal cover



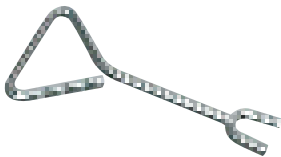
Valve Accessories & Hose-to-Pipe



Curb Key

- 53266 28" Steel
- 53039 28" Heavy Duty Steel
- 53034 5' Steel

- Opens and closes meter and underground stop and waste valves



Valve Control Key

- 53033 30" Steel
- 53265 54" Steel

- Opens and closes sprinkler control valves
- Steel construction



53094 Loose Key Valve Handle

- Replacement handle for square stem loose key valves



PVC Hose-to-Pipe Fittings

- 53360 3/4" FHT x 3/4" Slip Swivel
- 53362 3/4" MHT x 1/2" Slip
- 53364 3/4" MNPT x 3/4" FHT Swivel
- 53366 1/2" FNPT x 3/4" FHT Swivel

- Garden hose thread and pipe thread connections
- Constructed of high quality materials

- 53361 3/4" MHT x 3/4" Slip
- 53363 3/4" FNPT x 3/4" FHT Swivel
- 53365 1/2" MNPT x 3/4" FHT Swivel



Brass Hose-to-Pipe Fittings

- 53036 3/4" FHT x 3/4" FNPT Swivel; Carded
- 53037 3/4" FHT x 1/2" FNPT Swivel
- 53259 3/4" MHT x 3/4" MHT
- 53038 3/4" MHT x 3/4" MNPT x 1/2" FNPT; Carded
- 50061 3/4" FHT Hose Cap

- Garden hose thread and pipe thread connections
- Constructed of high quality materials

- 50043 3/4" FHT x 3/4" FNPT Swivel; Display Box
- 53260 3/4" FHT x 3/4" FHT Swivel
- 53261 3/4" MHT x 1/2" MNPT
- 50041 3/4" MHT x 3/4" MNPT x 1/2" FNPT; Display Box
- 50060 3/4" FHT x 3/4" MNPT x 1/2" FNPT

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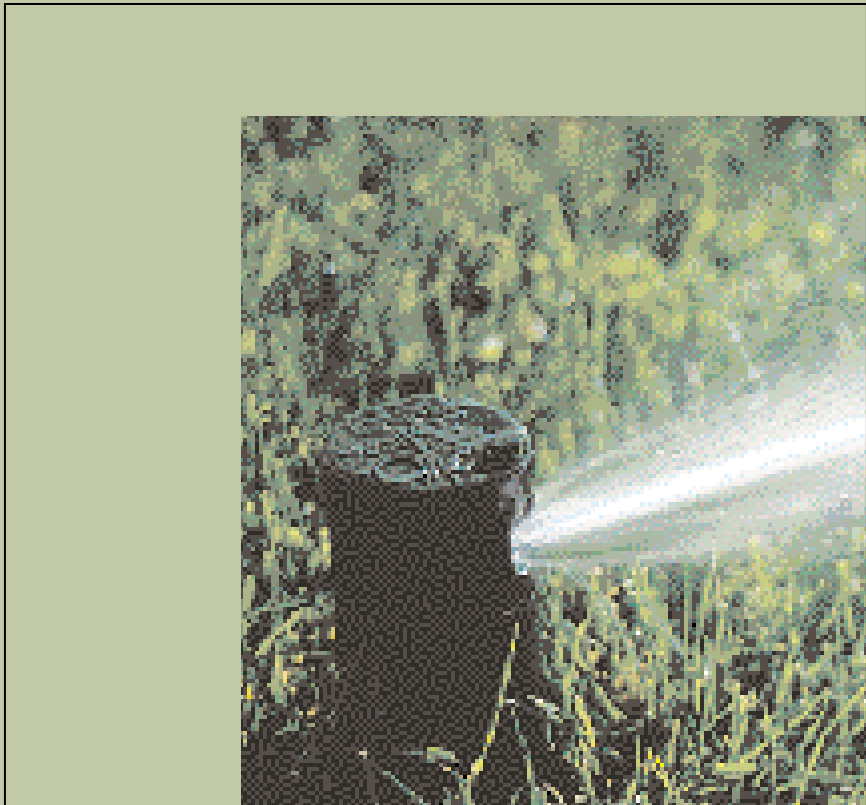
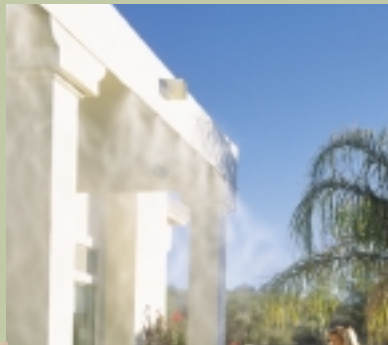


Plot Layout And Parts List



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