

Underhill





Inderhill

An industry leader in innovative watering products for golf courses all over the world, Underhill brings 30 years of know-how in developing our inventory of "Products that work...smart.™"

golf sprinkler nozzles

Profile™

SOLID METAL GOLF SPRINKLER NOZZLES

Upgrade your Toro® or Rain Bird® sprinklers with our perfect-fit Profile™ nozzles and you will see improved results immediately. Water distribution so uniform that you can cut back watering times to **save millions** of gallons of water **every year**. Over time, since Profile solid metal nozzles resist wear and clogging, you'll enjoy these superior results for the life of your sprinkler...never needing to change out nozzles again.

Call us to request our free video on Profile solid metal golf sprinkler nozzles! Or watch it online at www.underhill.us



- Cut watering times significantly
- No more worn out / clogged plastic nozzles
- Eliminate wet and dry spots
- Improve course playability
- Stop wasting water

Test your sprinkler uniformity with CatchCan Pro™. Easy-to-use and highly accurate measuring system.

"We've had Profile nozzles in for about two years now with outstanding results and excellent water savings. We're way past break-even on ROI." "...consistently uniform distribution. The nozzles perform the same today as when we first installed them."

Profile nozzles for Toro®



30 SERIES	Full Circle: Front/Rear Nozzle Set	
art #	Nozzle Color # range / spreader	Toro Nozzle #
730-3313	Brown 33 / Gray 13	33
730-3413	Blue 34 / Gray 13	34
730-3515	Violet 35 / Red 15	
730-3515L (50 psi)	Green 35 / Red 15*	35

Red 36 / Red 15*

Red 36 / Lavender 17

* For square spacing, specify #17 (lavender) nozzle with the #35 and #36 range nozzles

36



760 and 860 SERIES

T730-3615

T730-3617

Part Circle: Midrange/Close-in Nozzle Set Part # Nozzle Color: midrange / close-in T760-GY Gray / Yellow

T860-Gv Gray / Yellow



830 and 834S SERIES

Full Circle: Midrange/Close-in Nozzle Set

Part # Nozzle Color: midrange / close-in Toro Series T830-GY Gray / Yellow 830 834S T834-GY Gray / Yellow



835S SERIES Full Circle: Midrange/Close-in Nozzle Set

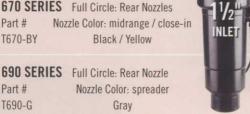
Part # Nozzle Color: midrange / close-in T835S-WP White / Plug

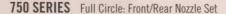
630 SERIES CALL FOR AVAILABILITY



670 SERIES Full Circle: Rear Nozzles Part #

690 SERIES Full Circle: Rear Nozzle Part # T690-G



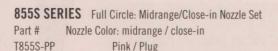


Part # range / spreader	Nozzle #s
T750-5617 Red 56 / Lavender 17	56
T750-5717 Gray 57 / Lavender 17	57



780 and 854S SERIES Midrange/Close-in Nozzle Set Part Circle (780) and Full Circle (854S)

Part # Nozzle Color: midrange / close-in Toro Series T780-BY 780 Black / Yellow T854-BY 854S Black / Yellow



650 SERIES CALL FOR AVAILABILITY



Profile nozzles for Rain Bird®

EAGLE 700 SERIES

Full Circle: Midrange/Close-in Nozzles

R70028-RG Blue / Gray 28 R70032-RG Red / Gray 32 R7003640-GG Blue / Gray 36/40 and I	Part #	Nozzle Color midrange / close-in	Rain Bird Nozzle #s
	R70028-RG	Blue / Gray	28
R7003640-GG Blue / Gray 36/40 and I	R70032-RG	Red / Gray	32
	R7003640-GG	Blue / Gray	36/40 and larg

Our NEW low-angle 12° wind-fighting spreader nozzle delivers exceptional close-in uniformity for all Eagle 700 series sprinklers on either triangular or square spacing.

11/2"

INLET



900 EAGLE SERIES

Full Circle: Close-in Nozzle Part # Nozzle Color R900-M Maroon



91 SERIES BRASS IMPACTS

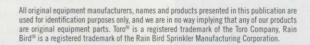
Full Circle: Close-in Nozzle Part # Nozzle Color R91-G Gray

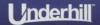


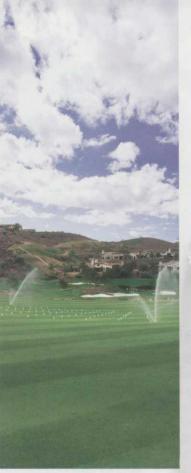
51 SERIES BRASS IMPACTS

Full Circle, Front/Rear Nozzles

Tuli Olicic. Frombrical Mozzica		
Part #	Nozzle Color # range / spreader	Rain Bird Nozzle #s
R51-1411.5	White 14 / Gray 11.5	14 / 11.5
R51-1611.5	Blue 16 / Gray 11.5	16 / 11.5
R51-1811.5	Yellow 18 / Gray 11.5	18 / 11.5
R51-2011.5	Red 20 / Gray 11.5	20 / 11.5
R51-2213	Green 22 / Black 13	22 / 13
R51-2413	Black 24 / Black 13	24 / 13







CatchCan Pro™

SPRINKLER PERFORMANCE TESTING SYSTEM

Stop overwatering and save! Poorly performing sprinklers often go unnoticed as watering times are gradually increased to compensate. Catch them in the act - accurately measure sprinkler application rates with the Underhill $^{\text{TM}}$ CatchCan Pro^{TM} system.



features

- · Self standing, easily anchors into turf
- · Tripod design works on slopes
- Measures sprinkler application in inches, centimeters and milliliters
- · Unique design allows for shorter duration test
- Made of durable polypropylene engineered plastic
- · Can be stacked for easy storage
- Each 10 pack kit comes with instructions.





ordering

Part # CCPK-10

CatchCan-Pro™ 10-pack (includes directions)



HeadChecker™

NOZZLE DISCHARGE PRESSURE GAUGE

HeadChecker™ combines a solid brass Pitot tube and a liquid-filled 160 psi gauge to create a handy tool for measuring nozzle discharge pressure. Assuring correct pressures is essential to maintaining highly uniform irrigation systems. The 160 psi gauge can also be used separately to measure pipeline pressure.

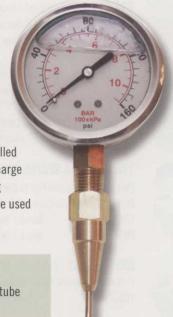
ordering

Part # A-HCGPK HeadChecker[™] 160 p Part # A-PG160L Pressure gauge only

Part # A-HCGPK HeadChecker™ 160 psi gauge and Pitot tube

Part # A-HCP

Pitot tube only



TurfSpy™

EARLY STRESS DETECTION GLASSES

Disease, drought and weed invasion are plant and turf killers. But by the time you see them it can be too late. TurfSpy™ glasses, with stress detection technology developed by NASA, lets you "see into the future" to identify problems 2-10 days before they are visible to your naked eye. Keep your turf and vegetation healthy BEFORE serious problems arise.



features

- Shatterproof/polycarbonate stress detection lens (ANSI approved safety lens)
- · Wrap-around lens limits ambient light for optimal detection
- · Sports frame with adjustable ear piece
- · Lightweight case included





HOW IT WORKS

Dying vegetation absorbs and reflects sunlight differently then when its healthy. The earliest signals occur at the outer limits of the human visual spectrum, and are rendered invisible compared to the predominant middle wavelengths. TurfSpy filters the light in the center so that fringe spectra, which show early plant stress, become visible.



ordering
Part # NG655-01 TurfSpy™ Glasses and Deluxe Case



Magnum™

SOLID METAL HOSE NOZZLE

Underhill™ Magnum™ contains
no plastic internal parts to break,
stick or wear out. Our unique
ratchet mechanism easily adjusts
from gentle fan to powerful jet stream
and prevents over-tightening damage.
Precision-machined, incredibly smooth
operation and outstanding distribution patterns
make it ideal for high-demand areas like greens and tees.
Magnum™ is also an excellent equipment wash-down nozzle.



- . Built for 1" and 3/4" flow rates
- · Fire hose quality nozzle feels great in your hands
- Ultra-durable construction withstands any abuse
- . Solid metal internal no plastic parts to break or wear out
- Beautiful, consistent spray patterns for life
- · Ratchet mechanism prevents over-tightening damage

• Multi-pattern sprays - effortless control with hydraulic assist on/off







specifications

Materials: stainless steel, aluminum, TPR rubber

Flow: 37 GPM at 80 psi

Inlet: 3/4" hose thread (1" brass adapter available, see Page 7)

Perfect for tournament play, CoolPro™ puts down only enough water to cool the turf canopy. It prevents wilting while maintaining good ball speed. CoolPro is a great tool for protecting grass on hot days without damaging roots.

CoolPro™

Cool Without Over Watering - No Root Damage

A hot summer day can be murder on your greens. Use too much water and you risk damage to the roots. CoolPro™ is the first nozzle specifically designed for the single purpose of lightly misting the turf canopy to cool without over watering. And its 25 foot fogging pattern gets the job done quickly.

features

- 3/4" inlet (1" brass adapter available, see Page 7)
- Ergonomic handle/valve provides easy grip and variable on/off control.
- Durable solid metal design: zinc, aircraft aluminum and stainless steel.
- Patented Precision[™] nozzle fogs at 70 psi to deliver a 25 ft. pattern with only 4-6 GPM

ordering

Part # NG450 Part # HNC075 MAGNUM™ Hose Nozzle CoolPro™ Hose Nozzle

Precision[™]

PATTERNS SO REMARKABLE, NOZZLES SO GOOD... THEY'RE PATENTED.

It's hard to beat MAGNUM™ for all around versatility...When you have more precise watering needs, you simply cannot buy a better nozzle than the Underhill Precision™ series. These solid metal, fixed spray hose nozzles deliver millions of soft, uniform droplets to provide rapid yet surprisingly gentle water application over a huge range of flow rates. From watering fragile seed beds to drenching dry spots, Precision spray patterns are designed with ideal flow rates and droplet sizes to offer you the ultimate solution for every hand watering application.



Rainbow"

LOW FLOW RATE

LANDSCAPING, LIGHT WATERING Ideal for watering greens, tees and seed beds. Excels at lower pressure flows. 15 GPM @ 80 psi.



Rainmaker™
LOW TO MEDIUM FLOW
SYRINGE AND SPOT WATERING
Perfect for syringing and gentle

Perfect for syringing and gentle watering of turf and landscape at lower pressures. 23 GPM @ 80 psi.

GPM will vary with pressure at nozzle.



Cloudburst™ MEDIUM TO HIGH FLOW

DRY SPOT SPECIALIST

High volume drenching, syringing, and application of wetting agent. Ideal flow rate for 3/4" and 1" hoses. **48 GPM @ 80 psi**.

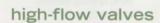


Cyclone™

HIGH FLOW RATE

HEAVY WATERING, SOAKING

Powerful fan-shaped spray covers a HUGE area, and gets heavy watering jobs done quickly. Ideal flow rate for 1" hoses. **50+GPM @ 80 psi.**





HIGHEST FLOW VALVES AVAILABLE

COMPOSITE / STAINLESS STEEL

- 3/4" hose thread inlet/outlet
- · oversized handle
- up to 55 GPM



SOLID BRASS

- 3/4" hose thread inlet/outlet
- up to 50 GPM

hose adapters / quick-connectors









ordering

Part # HN1500 Part # HN2300 Part # HN4800

Part # HN5000

Part # CV075H

Part # A-BV77FM Part # A-BA107FM Part # A-BA107MF Part # A-BQ7M

Part # A-BQ7F Part # HN075W Precision[™] Rainbow[™] Hose Nozzle Precision[™] Rainmaker[™] Hose Nozzle

Precision™ Cloudburst™ Hose Nozzle
Precision™ Cyclone™ Hose Nozzle

High-Flow 3/4" Valve - Brass High-Flow 3/4" Valve - Composite/Steel 1" FHT x 3/4" MHT Brass Hose Adapter 1" MHT x 3/4" FHT Brass Hose Adapter 3/4" Quick-Connect, male end 3/4" Quick-Connect, female end replacement washer, 3/4" hose



PelletPro™

APPLICATOR GUN FOR SOLID WETTING AGENT TABLETS

We outfitted our heavy-duty surfactant applicator with a high-flow composite/stainless steel valve and a Precision™ Cloudburst™ nozzle to produce the finest wetting agent gun available. The PelletPro™ accepts all wetting agent tablets and is designed to provide powerful, yet ultra-soft spray when watering or applying surfactants to tight, hydrophobic soils.

features

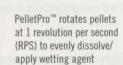
- 48 GPM capability gets the job done faster!
- Ultra Heavy-Duty brass fittings, aircraft aluminum, stainless steel, and precision engineered glass-filled materials
- Patented Precision[™] Cloudburst[™] nozzle delivers large droplets in an outstanding fan pattern
- Pellet rotation (1 RPS) evenly dissolves/applies tablets

With the included 1" FHT x 3/4" MHT brass adapter, PelletPro™ works with both 3/4" and 1" hoses.



2 products in 1!

Remove the PelletPro™ bowl and you have a superb syringe nozzle combo: the patented, 48 GPM Precision™ Cloudburst™ with our high-flow, oversized handle valve.







Part # A-PPWA50K Part # A-PPB

Part # A-PPBG

PelletPro™ Applicator Gun In-line Filter Bowl Gasket

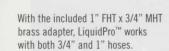


filter bowl for most spray rigs. Heavy-duty, transparent plastic shows fluids. (No more cracked bowls during winter storage!)

LiquidPro™

APPLICATOR GUN FOR LIQUID WETTING AGENT

This popular "liquid" version of the PelletPro™ features the proven combination of our Precision™ Cloudburst™ nozzle and the high-flow composite/stainless steel valve. Adding a chemical-resistant, UV-protected, lightweight siphon/mixing system produces an applicator gun which can cover 1000 square feet in less than a minute. Now, with unmatched speed and uniformity, you can virtually "paint" your turf with liquid wetting agent, fertilizers, and micronutrients. And like the PelletPro, LiquidPro disassembles easily to create the Cloudburst™ High-Flow Valve syringe nozzle.



2 products in 1!

The Precision™ Cloudburst™ nozzle

and high-flow valve can be quickly

assembled to create a powerful, 48

GPM syringe nozzle.

features

- Patented Precision[™] Cloudburst[™] nozzle evenly distributes wetting agent ensuring uniform coverage. Made of aircraft aluminum and stainless steel.
- Lightweight, durable nylon construction weighs only 3 lbs., UV-protected and chemical resistant.
- High-density polybottle has full quart capacity with easy-to-read measurements in fluid ounces and milliliters.
- Needle Valve Metering Chamber:
 Engineered venturi siphon mixes proper amount of wetting agent into the water flow.
- Pistol grip design with textured handle provides sure grip surface and reduces operator fatigue.
- Adjustable metering dial offers 10 additive settings including "Water Only."
- Metering dial can be removed to prevent tampering with a predetermined setting.





a real time saver!

Bring plenty of wetting agent, fertilizers, and micronutrients to the field all at once with our 6-pack of polybottles.

ordering

Part # A-LPWA50K - LiquidPro™ Applicator Gun

Part # A-LPWAB-6 - 6-Pack of 32 oz. Polybottles and Carrier



RollerPro™

PORTABLE SPRINKLER BASE

The 22" wide stainless steel roller of RollerPro™ provides a stable field position for supplemental watering. Designed for years of hard use, it is ideal for watering dry spots and newly seeded areas.

features

- 22" wide stainless steel roller is weighted to prevent movement during use.
- Standard 1" FHT inlet x 1" female NPT outlet.
- 3/4" inlet and outlet adapters included.





ordering Part # A-RP221

RollerPro™



SOLID METAL HOSE ADAPTER

HoseTap[™] gives you a hose connection anywhere you have a Toro[®] or Rain Bird[®] electric, valve-in-head sprinkler...ideal for fast connections when quick-couplers or hose bibs are not available. Aircraft aluminum body won't break or wear out like plastic, and is anodized with color for easy sprinkler manufacturer identification. Each HoseTap[™] includes the precision metal disc, o-ring, and riser. Brass swivels sold separately (see Page 12).



Part # HN-T100 - HoseTap™ for Toro® 1" inlet golf sprinklers

Part # HN-T150 - HoseTap™ for Toro® 1-1/2" inlet golf sprinklers

Part # HN-R125 - HoseTap™ for Rain Bird® Eagle 700 Series golf sprinklers

Add "B" to part numbers to specify BSP thread.

Add "S" to part numbers to include 1" brass swivel for combination savings.

REPLACEMENT O-RINGS

Part # OR-100 Fits Toro® 1" inlet and Rain Bird® Eagle 700 Series

golf sprinklers / HoseTap

Part # OR-T150 Fits Toro® 1-1/2" inlet golf sprinklers / HoseTap