When a product does its job day in and day out - it works. When it saves you time, money, or water - it's smart. When it does both - it's from Underhill.

Products that work...smart.
Magnum™ UltraMAX

PREMIUM HOSE-END NOZZLES & ACCESSORIES
Step up to the most professional nozzle you can buy - MAGNUM™ UltraMax. Firefighter quality for professionals in any field, these variable flow, multi-function nozzles are virtually indestructible and leak proof. The innovative TURBO SHIFT feature, available on both high-flow and low-flow models, provides two distinct GPM ranges for added versatility. And the outstanding distribution patterns of all MAGNUM UltraMAX nozzles make them excel in high demand areas like greens/tees, infield conditioning and equipment and stadium washdowns.

features / specifications
- Multi-Pattern Spray: Fog, Jet Stream, Fan
- Built for 1” and ¾” Hose Flow Rates (range: 7-43 GPM)
- Materials: Aircraft Aluminum, Stainless Steel, TPR Rubber

FULL THROTTLE
Single Variable Flow: Delivers steady, maximum volume fog, jet stream and fan patterns.

High Volume Model:
15-40 GPM (57-151 L/min)

Low Volume Model:
12-19 GPM (45-72 L/min)

TURBO SHIFT
Dual Variable Flow: Delivers light fog and low volume jet stream patterns before shifting to high volume jet stream and fan patterns.

High Volume Model:
Opens with 12-17 GPM (45-64 L/min)
Turbo Shifts to 20-43 GPM (76-163 L/min)

Low Volume Model:
Opens with 7-12 GPM (27-45 L/min)
Turbo Shifts to 14-17 GPM (53-64 L/min)

ordering
Part # NG550-DFH-75 Turbo Shift 12-43 GPM (45-163 L/min) - ¾” FHT inlet
Part # NG550-DFH-10 Turbo Shift 12-43 GPM (45-163 L/min) - 1” FHT inlet
Part # NG550-DFL-75 Turbo Shift 7-17 GPM (27-64 L/min) - ¾” FHT inlet
Part # NG550-DFL-10 Turbo Shift 7-17 GPM (27-64 L/min) - 1” FHT inlet
Part # NG500-SFH-75 Full Throttle 15-40 GPM (57-151 L/min) - ¾” FHT inlet
Part # NG500-SFH-10 Full Throttle 15-40 GPM (57-151 L/min) - 1” FHT inlet
Part # NG500-SFL-75 Full Throttle 12-19 GPM (45-72 L/min) - ¾” FHT inlet
Part # NG500-SFL-10 Full Throttle 12-19 GPM (45-72 L/min) - 1” FHT inlet
Part # SVPG-75 Pistol Grip Valve - ¾” FHT inlet
Part # SVPG-10 Pistol Grip Valve - 1” FHT inlet
Part # SV-75 Firefighter Grip Valve - ¾” FHT inlet
Part # SV-10 Firefighter Grip Valve - 1” FHT inlet

UltraMAX Valves
Heavy duty ball valve, push-pull on/off control handle and exceptional build quality for long life under demanding use. Available in Firefighter Grip for two-handed operation or ergonomic Pistol Grip for comfortable, extended use. Nozzles sold separately.

Made in USA

Products that work...smart.
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.

features
- Multi-pattern sprays - effortless control with hydraulic assist on/off
- Solid metal internal - no plastic parts to break or wear out
- Ratchet mechanism prevents over-tightening damage
- Ultra-durable construction withstands any abuse
- Fire hose quality nozzle feels great in your hands
- Beautiful, consistent spray patterns for life
- Built for 1” and ¾” flow rates

specifications
Materials: stainless steel, aluminum, TPR rubber
Flow: 37 GPM at 80 psi
Inlet: ¾” hose thread (1” brass adapter available, see Page 4)

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
- Precision™ nozzle fogs at 70 psi to deliver a 25 ft. pattern with only 4-6 GPM
- ¾” inlet (1” brass adapter available, see Page 4)
- Ergonomic handle/valve provides easy grip and variable on/off control.
- Durable solid metal design: zinc, aircraft aluminum and stainless steel.

ordering
Part # NG450 MAGNUM™ Hose Nozzle
Part # HNC075 CoolPro™ Valve and Nozzle
Part # HN0600 CoolPro™ Nozzle only
Part # CV075L CoolPro™ Valve only

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.
Precision™

SOLID METAL, SPECIFIC TASK HOSE NOZZLES

Underhill Precision™ nozzles deliver millions of soft, uniform droplets to provide rapid yet surprisingly gentle water application over a huge range of flow rates. From soft watering to powerful drenching, patented Precision nozzles are designed with ideal flow rates and droplet sizes to fully irrigate without disturbing turf, dirt, seeds, etc., providing a precise solution for every hand watering application.

Precision™ Nozzle Kit

Rainbow™ TASKS: Greens, tees, seed beds, transplants, delicate landscaping (15 GPM)

Rainmaker™ TASKS: Syringe and spot watering turf and hardy landscaping (23 GPM)

Cloudburst™ TASKS: Dry spots, drenching, and wetting agent application (35+ GPM)

Cyclone™ Pre-game skins watering, heavy watering of large areas (50+ GPM)

Note: GPM will vary with pressure at nozzle.

precision watering for specific tasks

high-flow valves

COMPOSITE / STAINLESS STEEL: ¾" hose thread inlet/outlet, oversized handle, up to 55 GPM

SOLID BRASS: ¾" hose thread inlet/outlet, up to 50 GPM

hose adapters / quick-connectors

NEW! Bumper Design

ordering

Part # HN1500CV  Precision™ Rainbow™ Nozzle Kit
Part # HN2300CV  Precision™ Rainmaker™ Nozzle Kit
Part # HN4800CV  Precision™ Cloudburst™ Nozzle Kit
Part # HN5000CV  Precision™ Cyclone™ Nozzle Kit

Nozzle Kits include brass High Flow Control Valve and ¾" MHT x 1" FHT Adapter.

To order nozzle only: remove “CV” from part number.

Part # CV075H  High-Flow ¾" Valve - Brass
Part # A-BV77FM  High-Flow ¾" Valve - Composite/Steel
Part # A-BA107FM  1" FHT x ¾" MHT Brass Hose Adapter
Part # A-BA107MF  1" MHT x ¾" FHT Brass Hose Adapter
Part # A-BQ7M  ¾" Quick-Connect, male end
Part # A-BQ7F  ¾" Quick-Connect, female end
Part # HN075W  replacement washer, ¾" hose

Products that work...smart.
**PelletPro™**

**APPLICATOR GUN FOR SOLID WETTING AGENT TABLETS**

Our heavy-duty surfactant applicator, high-flow valve and Precision™ Cloudburst™ nozzle combo comprises the finest wetting agent gun available. PelletPro™ accepts all wetting agent tablets and provides a high volume, yet soft spray for watering or applying surfactants to tight, hydrophobic soils.

**features**

- 35+ GPM to get the job done faster!
- Ultra Heavy-Duty - brass fittings, aircraft aluminum, stainless steel, and precision engineered glass-filled materials
- Patented Cloudburst™ nozzle delivers large droplets in an outstanding fan pattern
- Pellet rotation (1 RPS) evenly dissolves/appplies tablets

**IN-LINE APPLICATOR OPTION**

Connect directly to a water source (quick coupler, HoseTap, etc.) to get the benefits of PelletPro with less handheld weight.

**LiquidPro™**

**APPLICATOR GUN FOR LIQUID WETTING AGENT**

LiquidPro’s chemical-resistant, UV-protected, lightweight siphon/mixing system can cover 1000 square feet in less than a minute! With unmatched speed and uniformity, you can virtually “paint” your turf with liquid wetting agent, fertilizers, and micronutrients. Adjustable metering dial offers 10 additive settings including “Water Only.”

**ordering**

<table>
<thead>
<tr>
<th>Part #</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>A-PPWA50K</td>
<td>PelletPro™ Applicator Gun</td>
</tr>
<tr>
<td>A-PPQ-075</td>
<td>PelletPro™ In-line Applicator: ¾” FHT inlet, ¾” MHT outlet</td>
</tr>
<tr>
<td>A-PPQ-100</td>
<td>PelletPro™ In-line Applicator: 1” FHT inlet, 1” MHT outlet</td>
</tr>
<tr>
<td>A-PPB</td>
<td>In-line Filter Bowl</td>
</tr>
<tr>
<td>A-PPBG</td>
<td>Gasket</td>
</tr>
<tr>
<td>A-LPWA50K</td>
<td>LiquidPro™ Applicator Gun</td>
</tr>
<tr>
<td>A-LPWAB-6</td>
<td>6-Pack of 32 oz. Polybottles and Carrier</td>
</tr>
</tbody>
</table>

With the included 1” FHT x ¾” MHT brass adapter, PelletPro™ and LiquidPro™ work with both ¾” and 1” hoses.

866-863-3744 • www.underhill.us
Upgrade your Toro® or Rain Bird® sprinklers with our perfect-fit Profile™ nozzles and you will see improved results immediately. And with ultra-uniform water distribution, 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. Nozzles so consistent, patterns so uniform... it’s like rain on demand.”

Use less water, energy and manpower and get better course playability.

“Profile nozzles lived up to our expectations and eliminated patchy dry spots and donuts. We retrofitted all our fairways and now run a more efficient irrigation program.”
Logan Spurlock
Superintendent, Sherwood Country Club

“It was like putting in a new irrigation system. I became a believer overnight.”
Mike Huck
Irrigation & Turfgrass Services
Former USGA Staff Agronomist and Superintendent, Murrieta Hot Springs Resort

“The Profile retrofit program has also extended the life of our Toro system while improving course appearance and playability.”
Dennis Eichner
Assistant Superintendent, Silverado Resort - Napa, California

“The real power is knowing that retrofitting sprinklers with Profile nozzles can be phased in to work within a course’s operating budget.”
Kurt Thompson
K. Thompson and Associates, Irrigation Consultant and Trainer
Huntersville, North Carolina and Pace, Florida

See how Superintendents are upgrading their entire golf courses!
Video online now at www.underhill.us
### Profile nozzles for Toro

#### 730 SERIES
- **Full Circle: Front/Rear Nozzle Set**
- **Part #** | **Nozzle Color** | **# range/spreader** | **Toro Noz #**
- T730-3313 | Brown 33 / Gray 13 | 33
- T730-3413 | Blue 34 / Gray 13 | 34
- T730-3515 | Violet 35 / Red 15 | 35
- T730-3515L (50 psi) | Green 35 / Red 15* | 35
- T730-3615 | Red 36 / Red 15* | 36
- T730-3617 | Red 36 / Lavender 17 | 36

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

**Profile nozzles are so consistent, with distribution patterns so uniform... it's like rain on demand.™**

#### 760 and 860 SERIES
- **Part Circle: Midrange/Close-in Nozzle Set**
- **Part #** | **Nozzle Color** | **midrange/close-in** | **Toro Series**
- T760-GY | Gray / Yellow | 83
- T860-GY | Gray / Yellow | 83

#### 830, 834S, DT SERIES
- **Full Circle: Midrange/Close-in Nozzle Set**
- **Part #** | **Nozzle Color** | midrange / close-in | **Toro Series**
- T830-GY | Gray / Yellow | 83
- T834-GY | Gray / Yellow | 834S
- TDT100-GY | Gray / Yellow | DT 34/35

#### 835S SERIES
- **Full Circle: Midrange/Close-in Nozzle Set**
- **Part #** | **Nozzle Color** | midrange / close-in
- T835S-WP | White / Plug

#### 630 SERIES
- **CALL FOR AVAILABILITY**

### Profile nozzles for Rain Bird

#### 670 SERIES
- **Full Circle: Rear Nozzles**
- **Part #** | **Nozzle Color** | midrange / close-in
- T670-BY | Black / Yellow

#### 690 SERIES
- **Full Circle: Rear Nozzle**
- **Part #** | **Nozzle Color** | spreader
- T690-G | Gray

#### 750 SERIES
- **Full Circle: Front/Rear Nozzle Set**
- **Part #** | **Nozzle Color** | #range / spreader | **Toro Nozzle #s**
- T750-5617 | Red 56 / Lavender 17 | 56
- T750-5717 | Gray 57 / Lavender 17 | 57

#### 780, 854S, DT SERIES
- **Midrange/Close-in Nozzle Set**
- **Part** (780), **Full Circle (854S), Part/Full Circle (DT 54/55)**
- **Part #** | **Nozzle Color** | midrange / close-in | **Toro Series**
- T780-BY | Black / Yellow | 780
- T854-BY | Black / Yellow | 854S
- TDT150-BY | Black / Yellow | DT 54/55

#### 855S SERIES
- **Full Circle: Midrange/Close-in Nozzle Set**
- **Part #** | **Nozzle Color** | midrange / close-in
- T855S-PP | Pink / Plug

#### 650 SERIES
- **CALL FOR AVAILABILITY**

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All original equipment manufacturers, names and products presented in this publication are used for identification purposes only, and we are in no way implying that any of our products are original equipment parts. Toro® is a registered trademark of the Toro Company, Rain Bird® is a registered trademark of the Rain Bird Sprinkler Manufacturing Corporation.
AuditMaster™

EXPERT SPRINKLER PERFORMANCE TESTING KITS

Increasing watering times to compensate for poorly performing sprinklers wastes a lot of water. Accurately measuring sprinkler application rates with Underhill™ AuditMaster™ helps maximize water savings.

AuditMaster Combo ST/LT Kit pictured, includes large CatchCanPro cups (blue) and CatchCanPro Mini cups (30 each).

AuditMaster ST Kit excludes the large CatchCanPro cups. This kit is ideal for SMALL TURF audits.

AuditMaster LT Kit excludes the CatchCanPro Mini cups, ¾" Hose Bib and Gauge and the Spray Head Tester w/Gauge. This kit is optimized for golf courses, sports fields and other LARGE TURF audits.

CatchCan Pro™

features

- Self standing - easily anchors into turf, even on slopes
- Measures sprinkler application in inches or centimeters
- 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 # AUD-ST  AuditMaster ST Kit
Part # AUD-LT  AuditMaster LT Kit
Part # AUD-STLT AuditMaster Combo ST/LT Kit
Part # SALESPRO4 AuditMaster Wheeled Carry Case
Part # A-STW  Stop Watch
Part # A-WIND  Anemometer (Wind Gauge)
Part # CCPK-10  CatchCan Pro (Blue) - 10 Pack
Part # CCPMK-10 CatchCan Pro Mini - 10 Pack
Part # MT-100  Fiberglass Measuring Tape: 100'
Part # A-FLAG  Marking Flags: Yellow - 50 Pack
Part # A-FLAG-B Marking Flags: Blue - 50 Pack
Part # A-FLAG-O Marking Flags: Orange - 50 Pack
Part # A-FLAG-P Marking Flags: Pink - 50 Pack
Part # A-FLAG-R Marking Flags: Red - 50 Pack
Part # A-FLAG-W Marking Flags: White - 50 Pack

Products that work...smart.™
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 than 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.

HeadChecker™

NOZZLE DISCHARGE PRESSURE GAUGE

Use this liquid-filled 160 psi gauge with 30” flex hose and solid brass Pitot tube, hose bib, or spray head adapter to measure water pressure at discharge points.

ordering

Part # A-PHG-160K  HeadChecker™ gauge, 30” Flex Hose, Pitot Tube
Part # A-SHG-160K  HeadChecker™ gauge with Spray Head Adapter
Part # A-HBG-160K  HeadChecker™ with ¾” POC Hose Bib Tap
Part # A-HCGPK  HeadChecker™ gauge and Pitot tube
Part # A-PC160L  HeadChecker™ 160 psi pressure gauge only
Part # A-HCP  Pitot tube only
Part # A-HBT  ¾” Hose Thread x ¾” Brass Hose Bib Tap
Part # A-SHA  Spray Head Adapter
SpotShot™

LOW VOLUME PORTABLE SPRINKLER KIT

SpotShot™ is an expandable sprinkler system kit ideal for turf areas requiring low volume watering for extended periods. Connect the Starter Kit to a quick coupler (or golf sprinkler with the HoseTap™ on page 12) and connect Add-On Kits for larger area needs.

Starter Kit includes 20' of \( \frac{1}{4} \)" flexible PVC tubing with connection fittings, pressure regulator, sprinkler base and low volume rotating sprinkler (20 ft. radius / 0.65 GPM - 0.16 in./hr.)

Add-On Kit includes 20' of \( \frac{1}{2} \)" flexible PVC tubing with connection fittings, sprinkler base and low volume rotating sprinkler (20 ft. radius / 0.65 GPM - 0.16 in./hr.)

Micro-Sprinkler Options
- 20 ft. radius / 0.65 GPM (0.16 in./hr.)
- 20 ft. radius / 1.2 GPM (0.26 in./hr.)

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.
- \( \frac{3}{4} \)" inlet and outlet adapters included
- Standard 1" FHT inlet x 1" female NPT outlet

ordering

<table>
<thead>
<tr>
<th>Part #</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>A-RP221</td>
<td>RollerPro™ Starter Kit (20 ft. rad, 0.65 GPM)</td>
</tr>
<tr>
<td>SS-SK</td>
<td>SpotShot™ Starter Kit (20 ft. rad, 0.65 GPM)</td>
</tr>
<tr>
<td>SS-AOK</td>
<td>SpotShot™ Add-on Kit (20 ft. rad, 0.65 GPM)</td>
</tr>
<tr>
<td>SS-SK26</td>
<td>SpotShot™ Starter Kit (20 ft. rad, 1.2 GPM)</td>
</tr>
<tr>
<td>SS-AOK26</td>
<td>SpotShot™ Add-on Kit (20 ft. rad, 1.2 GPM)</td>
</tr>
<tr>
<td>SS-SB</td>
<td>SpotShot™ Sprinkler Base</td>
</tr>
<tr>
<td>R75-HFM-40</td>
<td>Pressure Regulator (40 psi)</td>
</tr>
<tr>
<td>TP-050-20</td>
<td>20' Coil of ( \frac{1}{4} )&quot; PVC, SuperFlex Pipe</td>
</tr>
<tr>
<td>S40-050-HFS</td>
<td>3/4&quot; Hose Thread Female x Male, Slip Fitting</td>
</tr>
<tr>
<td>S40-050-HMS</td>
<td>3/4&quot; Hose Thread Male x Female, Slip Fitting</td>
</tr>
<tr>
<td>SS-S16</td>
<td>Micro-sprinkler (20 ft. rad, 0.65 GPM - 0.16 in/hr)</td>
</tr>
<tr>
<td>SS-S26</td>
<td>Micro-sprinkler (20 ft. rad, 1.2 GPM - 0.26 in/hr)</td>
</tr>
</tbody>
</table>