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 models provide two distinct GPM ranges. 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 THROTTL**

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

Low Flow (Residential Use) Model: 12-19 GPM (45-72 L/min)

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

Super High Flow Model: 39-100 GPM (148-379 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.

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

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

Super High Flow Model: 34-104 GPM (129-394 L/min)

**ordering**

<table>
<thead>
<tr>
<th>Part #</th>
<th>Description</th>
<th>GPM (L/min)</th>
</tr>
</thead>
<tbody>
<tr>
<td>NG550-DFH-75</td>
<td>Turbo Shift 7-12 GPM</td>
<td>27-45 L/min</td>
</tr>
<tr>
<td>NG550-DFH-10</td>
<td>Turbo Shift 12-17 GPM</td>
<td>53-64 L/min</td>
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<tr>
<td>NG550-DFSH-10</td>
<td>Turbo Shift 15-40 GPM</td>
<td>57-151 L/min</td>
</tr>
<tr>
<td>NG550-DFFH-10</td>
<td>Turbo Shift 15-40 GPM</td>
<td>76-163 L/min</td>
</tr>
<tr>
<td>NG550-SFH-75</td>
<td>Full Throttle 15-40 GPM</td>
<td>76-163 L/min</td>
</tr>
<tr>
<td>NG550-SFL-75</td>
<td>Full Throttle 12-19 GPM</td>
<td>45-72 L/min</td>
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<tr>
<td>NG550-SFH-75</td>
<td>Pistol Grip Valve - ¾” FHT inlet</td>
<td></td>
</tr>
<tr>
<td>NG550-SFL-75</td>
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<td>Pistol Grip Valve - ¾” FHT inlet</td>
<td></td>
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</tbody>
</table>

All flow rates based on 80 psi (5.5 bar)
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 watering for specific tasks**

- **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, ideal for hydroseeding (50+ GPM)

Note: GPM will vary with pressure at nozzle.

**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**

- **Precision™ Rainbow™ Nozzle Kit**
- **Precision™ Rainmaker™ Nozzle Kit**
- **Precision™ Cloudburst™ Nozzle Kit**
- **Precision™ Cyclone™ Nozzle Kit**

**ordering**

- Part # HN1500CV
- Part # HN2300CV
- Part # HN4800CV
- Part # HN5000CV

**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
- Part # A-BV77FM
- Part # A-BA107FM
- Part # A-BA107MF
- Part # A-BQ7M
- Part # A-BQ7F
- Part # HN075W

**High-Flow ¾” Valve - Brass**
- Part # HN1500CV
- Part # HN2300CV
- Part # HN4800CV
- Part # HN5000CV

**High-Flow ¾” Valve - Composite/Steel**
- 1” FHT x ¾” MHT Brass Hose Adapter
- 1” MHT x ¾” FHT Brass Hose Adapter

**¾” Quick-Connect, male end**
- Part # A-BQ7M

**¾” Quick-Connect, female end**
- Part # A-BQ7F

replacement washer, ¾” hose
NEW! **DrainBlaster™**

**HIGH PRESSURE DRAIN CLEANING NOZZLE**
This unique hose-end, high pressure nozzle guides itself in cleaning out drains, to remove debris with ease. Special feature includes a wire attachment connector for using wire locator to determine drain route.

**features**
- Front jet cuts through blockage
- Rear jets propel nozzle upline
- Two stage flushing action
- Minimum water pressure: 70 PSI
- Heat treated grade 303 stainless steel for long life

Great for cleaning under sidewalks or cart paths

Ideal for 4"-6" drains and catch basins

Wire attachment connector for mapping drain location under greens, bunkers and other locations using a wire locater.

NEW! **RainPro™**

**SOLID METAL SHOWER NOZZLE**
A truly revolutionary shower nozzle for soaking turf or other landscapes... featuring an exclusive solid brass nozzle plate for outstanding pattern and special rubber bumper for nozzle protection.

**features**
- Ultra durable construction withstands any abuse
- Beautiful, consistent and uniform spray pattern
- Materials: zinc alloy, brass and TPR rubber
- Flow: 40 GPM @ 80psi (built for 1" and ¾" hose flow rates)
- Nozzle assembly unscrews for easy cleaning

Excellent for golf greens or other turf and landscape applications

RainPro™ nozzle pictured with 1" brass adapter and ¾" high-flow valve (sold separately on Page 4)

**ordering**
<table>
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<tr>
<td>DN-75</td>
<td>DrainBlaster™ Drain Cleaner Nozzle – ¾&quot; FHT Inlet</td>
</tr>
<tr>
<td>DN-10</td>
<td>DrainBlaster™ Drain Cleaner Nozzle – 1&quot; FHT Inlet</td>
</tr>
<tr>
<td>SHN-75</td>
<td>RainPro™ Shower Nozzle – ¾&quot; FHT Inlet</td>
</tr>
<tr>
<td>SHN-10</td>
<td>RainPro™ Shower Nozzle – 1&quot; FHT Inlet</td>
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</tbody>
</table>

866-863-3744 • www.underhill.us
**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 construction: brass fittings, aircraft aluminum, stainless steel, precision engineered glass
- Pellet rotation (1 RPS) evenly dissolves/appplies tablets
- Patented Cloudburst™ nozzle delivers large droplets in an outstanding fan pattern

**IN-LINE APPLICATOR OPTION**

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

**Two products in 1!**

PelletPro and LiquidPro's Precision™ Cloudburst™ nozzle and high-flow valve quickly assemble to create a powerful, 35+ GPM syringe nozzle.

**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**

- Part # A-PPWA50K PelletPro™ Applicator Gun (with 1” FHT x 3/4” MHT adapter)
- Part # A-PPWA50K-E PelletPro™ Applicator Gun (with 3/4” quick-connect adapter)
- Part # A-PPQ-075 PelletPro™ In-line Applicator: 3/4” FHT inlet, 3/4” MHT outlet
- Part # A-PPQ-100 PelletPro™ In-line Applicator: 1” FHT inlet, 1” MHT outlet
- Part # A-PPB In-line Filter Bowl
- Part # A-PPBG Gasket
- Part # A-LPWA50K LiquidPro™ Applicator Gun (with 1” FHT x 3/4” MHT adapter)
- Part # A-LPWA50K-E LiquidPro™ Applicator Gun (with 3/4” quick-connect adapter)
- Part # A-LPWAB-6 6-Pack of 32 oz. Polybottles and Carrier

**MADE IN USA**

Products that work...smart.™
NEW! ProLocker™

THE MOST POPULAR ASSORTMENT ALL IN ONE COMPLETE KIT

Keep all of your Underhill® professional watering tools secure and safe in this handy kit. ProLocker attaches easily to any utility vehicle for easy access. Case is ultra-durable, made of high-strength composite material and is lockable.

kit includes
• Entire Precision™ nozzle series and brass high-flow valve
• CoolPro™ fogging nozzle
• Magnum™ UltraMax nozzle
• PelletPro™ wetting agent applicator
• SuperKey XL™ golf sprinkler multi-tool
• Gulp™ UltraMax syringe pump
• Gulp™ UltraMax pump
• TurfSpy™ stress detection glasses
• HeadChecker™ nozzle discharge pressure gauge, flex hose and pitot tube

ordering
Part # PL-K2 ProLocker™ with 3/4” Magnum UltraMAX Full Throttle nozzle
Part # PL-K3 ProLocker™ with 3/4” Magnum UltraMAX Turbo Shift nozzle
Part # PL-K4 ProLocker™ with 1” Magnum UltraMAX Full Throttle nozzle
Part # PL-K5 ProLocker™ with 1” Magnum UltraMAX Turbo Shift nozzle
Part # HP-K1 NozzleLocker™ with 3/4” Magnum (yellow) nozzle
Part # HP-K2 NozzleLocker™ with 3/4” Magnum UltraMAX Full Throttle nozzle
Part # HP-K3 NozzleLocker™ with 3/4” Magnum UltraMAX Turbo Shift nozzle
Part # HP-K4 NozzleLocker™ with 1” Magnum UltraMAX Full Throttle nozzle
Part # HP-K5 NozzleLocker™ with 1” Magnum UltraMAX Turbo Shift nozzle

STOP LOSING YOUR NOZZLES!
Quick Coupler Valves & Keys

SOLID BRASS, SINGLE SLOT/LUG ESSENTIALS
Built to last, Underhill® valves and keys are constructed of solid red brass and stainless steel. Valves incorporate rugged one-piece design.

Valve: Part # QV-075R (3/4" FPT inlet)
Key: Part # QK-075 (3/4" MPT x 1/2" FPT outlet)

Valve: Part # QV-100R (1" FPT inlet)
Key: Part # QK-100 (1" MPT x 3/4" FPT outlet)

Valve: Part # QV-150R (1 1/2" FPT inlet)
Key: Part # QK-150 (1 1/2" MPT x 1 1/4" FPT outlet)

hose swivels
Part # HS-075 3/4" FPT x 3/4" MHT outlet
Part # HS-100 1" FPT x 3/4" MHT outlet
Part # HS-101 1" FPT x 1" MHT outlet
Part # HS-151 1 1/2" FPT x 1" MHT outlet

The Claw™
QUICK COUPLER MOTION RESTRAINT
When quick coupler valves become unscrewed from swing joints, it's more than just a hassle - it can be dangerous. The Claw™, new from Underhill®, offers a simple solution. Embedded in the soil below the quick coupler, and then securely attached to its base, The Claw provides significant resistance to rotational, vertical and horizontal motion, preventing the valve from moving. Made from high strength ductile iron, this compact anchor attaches easily with a single steel bolt.

EASY RETROFIT! Installs without removing valve or valve box!

ordering
Part # QCA-075100 The Claw™ for 3/4" and 1" valves
Part # QCA-150 The Claw™ for 1 1/2" valves
Impact Sprinklers

SOLID BRASS, ULTRA-RELIABLE WORKHORSES
For reliable, trouble-free, high-performance year after year, you just can’t beat our brass impact sprinklers. Available in full circle and full/part circle, in inlet sizes of 3/4", 1" and 1 1/4".

features
• Solid brass construction
• Stainless steel drive spring
• Bearing assembly hood for longer wear life
• Chemical resistant bearing seals
• Solid brass nozzle

ordering
GPM Radius (ft.)
Part # SI075F 3/4" MPT Full Circle 13 57
Part # SI075P 3/4" MPT Part/Full Circle 11 48
Part # SI100F 1" MPT Full Circle 23 71
Part # SI100P 1" MPT Part/Full Circle 23 71
Part # SI125F 1 1/4" MPT Full Circle 51 96
Part # SI125P 1 1/4" MPT Part/Full Circle 54 78

Performance data shown at 80 psi. GPM and radius will vary with pressure at sprinkler.

HoseTap™
SOLID METAL HOSE ADAPTER
HoseTap™ gives you a hose connection anywhere you have a Toro® or Rain Bird® electric, valve-in-head sprinkler... a fast connection when quick-couplers or hose bibs are not available. Includes aircraft aluminum body (won’t break or wear out like plastic) anodized with sprinkler manufacturer color, o-ring, riser, 1" brass swivel and 3/4" adapter. Also available without brass swivel/adapter.

ordering
Part # HN-T100S HoseTap™ for Toro® 1" inlet golf sprinklers
Part # HN-T150S HoseTap™ for Toro® 1 1/4" inlet golf sprinklers
Part # HN-R125S HoseTap™ for Rain Bird® Eagle 700 Series sprinklers
Part # HN-R150S HoseTap™ for Rain Bird® Eagle 900 Series sprinklers

Includes 1" brass swivel and 3/4" adapter. Add “B” for BSP thread. To order without brass swivel: Remove “S” from part number.

REPLACEMENT O-RINGS
Part # OR-100 Fits Toro® 1" inlet and Rain Bird® Eagle 700 Series golf sprinklers / HoseTap
Part # OR-150 Fits Toro® 1 1/2" inlet golf sprinklers / HoseTap
Part # OR-150R Fits Rain Bird® 1 1/2" inlet golf sprinklers / HoseTap
Serious about saving water?

Profile™
SOLID METAL GOLF SPRINKLER NOZZLES

Upgrade your sprinklers with Profile™, the ultra-high uniformity, water conserving, solid metal nozzles from Underhill®. You will see improved results immediately, save millions of gallons of water every year and improve the playability of your course at the same time...guaranteed.

Use less water, less energy and less 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
Former Superintendent, Murrieta Hot Springs Resort

"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

"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

See how Superintendents are upgrading their entire golf courses! Video online now at www.underhill.us