

# PROFESSIONAL PRODUCTS 2019

# Underhill®

**GOLF | SPORTS FIELDS | LANDSCAPES**

## WATERING PRODUCTS



## PROFILE NOZZLES FOR SPRINKLERS



## WETTING AGENTS & SPECIALTY PRODUCTS



## MARKING SYSTEMS



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®**



# TABLE OF CONTENTS

## WATERING PRODUCTS AND TOOLS

ULTRAMAX BLUE PREMIUM HOSE . . . . .	3
SHORTYPRO WASH HOSE . . . . .	3
ULTRAMAX RED, ULTRAMAX GREEN HOSE . . . . .	4
ULTRAMAX CLEAR HOSE, HOSE REPAIR FITTINGS . . . . .	5
PROLINE GOLD SERIES HOSE . . . . .	6
PROLINE GOLD SERIES WATERING NOZZLES . . . . .	7
MAGNUM ULTRAMAX PREMIUM NOZZLES . . . . .	8-9
MAGNUM NOZZLE, SWEEPER NOZZLES, COOLPRO NOZZLES . . . . .	10
PRECISION SPECIFIC TASK NOZZLES, NOZZLE LOCKER KITS . . . . .	11
DRAINBLASTER NOZZLE, RAINPRO NOZZLE, QUICK CONNECT . . . . .	12
EASYOUT SPRINKLER REMOVAL TOOL, DEEP DRIP STAKES . . . . .	13
SUPERKEY XL, EASYREACH KEY, VERSALID, SPLICE KIT . . . . .	14
HOSETAP, THE CLAW . . . . .	15
ULTRA BRASS GOLD SERIES QUICK COUPLER VALVES & KEYS . . . . .	16-17
ULTRA BRASS GOLD SERIES IMPACT SPRINKLERS . . . . .	18-19
ROLLERPRO PORTABLE SPRINKLER BASE, SPOTSHOT KITS . . . . .	20
TURFSPI GLASSES, TRACKER IRRIGATION MACHINE . . . . .	21
GULP ULTRAMAX WATER REMOVAL PUMPS . . . . .	22-23
CATCHCAN ULTRA, AUDITMASTER, PRESSURE CHECKER GAUGES . . . . .	24-25

## PROFILE TORO & RAINBIRD SPRINKLER NOZZLES

PROFILE SOLID METAL GOLF SPRINKLER NOZZLES . . . . .	26-27
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## WETTING AGENTS & SPECIALTY PRODUCTS

TOURNAMENT-READY WETTING AGENT . . . . .	28
MEDALIST, H2O MAXIMIZER LIQUID WETTING AGENT, HYDRO-WET INJECTABLE WETTING AGENT . . . . .	29
TOURNAMENT-READY PLUS PELLETS WITH ACTOSOL, TOURNAMENT-READY PELLETS, HYDRO-WET PELLETS, H2O MAXIMIZER PELLETS . . . . .	30
WETTING AGENT SELECTION GUIDE . . . . .	31
BIO-90 ADJUVANT, CADENCE SPREADER, WATER FX CONDITIONER, ANTI-FOAM AGENT, K-KLEAN TANK CLEANER, TANK CLEANER, BENCHMARK FOAM MARKER . . . . .	32
PELLETPRO APPLICATORS, LIQUIDPRO APPLICATORS . . . . .	33
FLO-PRO INLINE APPLICATOR, FLO-PRO INJECTOR SYSTEM . . . . .	34

## MARKING SYSTEMS & TOOLS

SPRINKLER HEAD YARDAGE MARKERS . . . . .	35-37
TURBO TRIM SPRINKLER HEAD TRIMMER/CUTTER . . . . .	38
POWER TRIM SPRINKLER HEAD TRIMMER/CUTTER . . . . .	39



**PREMIUM**

# ULTRAMAX™ HOSE

**FEATURING OUTSTANDING DURABILITY AND PERFORMANCE.**

Underhill UltraMax™ hose employs the highest standard of precision engineering in design and manufacturing... Don't settle for less.

## UltraMax™ Blue

All weather performance in an **ULTRA FLEXIBLE** lightweight hose. Up to 45% lighter than comparable commercial quality hose. Made of super, heavy-duty, longlife flexible TPE material. *Don't settle for less, choose the best!*

### features

- 1200 Psi Burst Pressure
- All Weather Performance
- Machined Brass Couplings
- Abrasive Resistant
- Flexible, Smooth Finish



## ShortyPro™

### QUICK COOL/WASH BLUE HOSE

Finally, the right hose for the job! No more extra hose to carry around when you don't need it. Ideal for quick green and tee syringe also, equipment wash down.



Hose Weight for 100' (30.48m)	
3/4" UltraMax Blue	31 lbs. (14kg)
1" UltraMax Blue	46 lbs. (21kg)

*Custom Lengths,  
Quick Turnaround!*

### ordering UltraMax Blue Hose

- Part # H75-050B 3/4" UltraMax Hose BLUE; 50' Length
- Part # H75-075B 3/4" UltraMax Hose BLUE; 75' Length
- Part # H75-100B 3/4" UltraMax Hose BLUE; 100' Length
- Part # H75-125B 3/4" UltraMax Hose BLUE; 125' Length
- Part # H75-CB 3/4" UltraMax Hose BLUE CUSTOM LENGTH; (Upon Request)
- Part # H10-050B 1" UltraMax Hose BLUE; 50' Length
- Part # H10-075B 1" UltraMax Hose BLUE; 75' Length
- Part # H10-100B 1" UltraMax Hose BLUE; 100' Length
- Part # H10-125B 1" UltraMax Hose BLUE; 125' Length
- Part # H100-CB 1" UltraMax Hose BLUE CUSTOM LENGTH; (Upon Request)

### ShortyPro Blue Hoses

- Part #: H75-S10 3/4" ShortyPro Blue Hose; 10' Length
- Part #: H75-S20 3/4" ShortyPro Blue Hose; 20' Length
- Part #: H10-S10 1" ShortyPro Blue Hose; 10' Length
- Part #: H10-S20 1" ShortyPro Blue Hose; 20' Length

## SUPER STRONG-HEAVY

# UltraMax™ Red

ULTRAMAX RED IS THE ULTIMATE CHOICE FOR LONG LIFE UNDER HEAVY JOBS THAT REQUIRE DRAGGING OVER RUGGED TERRAIN.

Featuring outstanding durability and performance, Underhill UltraMax™ Red hose employs the highest standard of precision engineering in design and manufacturing. UltraMax™ Red is the ultimate choice for long life under heavy use...made of EPDM synthetic rubber and reinforced with spiral synthetic yarn for extra strength under high working pressure. *Don't settle for less, choose the best!*

### features

- 800 Psi Burst Pressure
- Machined Brass Couplings
- Kink, Tangle & Abrasion Resistant



Hose Weight for 100' (30.48m)	
3/4" UltraMax Red	38 lbs. (17kg)
1" UltraMax Red	59 lbs. (27kg)



*Custom Lengths,  
Quick Turnaround!*

### ordering UltraMax-Red Hose

- Part # H58-050R 5/8" UltraMax Hose RED; 50' Length
- Part # H75-025R 3/4" UltraMax Hose RED; 25' Length
- Part # H75-050R 3/4" UltraMax Hose RED; 50' Length
- Part # H75-075R 3/4" UltraMax Hose RED; 75' Length
- Part # H75-100R 3/4" UltraMax Hose RED; 100' Length
- Part # H75-125R 3/4" UltraMax Hose RED; 125' Length
- Part # H75-CR 3/4" UltraMax Hose RED; CUSTOM LENGTH; (Upon Request)
- Part # H10-025R 1" UltraMax Hose RED; 25' Length
- Part # H10-050R 1" UltraMax Hose RED; 50' Length
- Part # H10-075R 1" UltraMax Hose RED; 75' Length
- Part # H10-100R 1" UltraMax Hose RED; 100' Length
- Part # H10-125R 1" UltraMax Hose RED; 125' Length
- Part # H100-CR 1" UltraMax Hose RED CUSTOM LENGTH; (Upon Request)

## ECONOMY-PLUS

# UltraMax™ Green

SMOOTH FINISH AND LIGHTWEIGHT WITH HIGH BURST PRESSURE RATING

Made of Pliovic material with extra burst pressure performance. Suitable for a wide range of multi-purpose commercial applications.

### features

- 800 Psi Burst Pressure
- Lightweight, Durable
- Machined Brass Couplings
- Thick Outer Wall
- Non-Conductive Hose
- Very Smooth Finish

Hose Weight for 100' (30.48m)	
3/4" UltraMax Green	32 lbs.(14.5kg)
1" UltraMax Green	41 lbs. (18.5kg)



### ordering UltraMax-Green Hose

- Part # H75-050G 3/4" UltraMax Hose GREEN; 50' Length
- Part # H75-075G 3/4" UltraMax Hose GREEN; 75' Length
- Part # H75-100G 3/4" UltraMax Hose GREEN; 100' Length
- Part # H75-125G 3/4" UltraMax Hose GREEN; 125' Length
- Part # H75-CG 3/4" UltraMax Hose GREEN; CUSTOM LENGTH (Upon Request)
- Part # H10-050G 1" UltraMax Hose GREEN; 50' Length
- Part # H10-075G 1" UltraMax Hose GREEN; 75' Length
- Part # H10-100G 1" UltraMax Hose GREEN; 100' Length
- Part # H10-125G 1" UltraMax Hose GREEN; 125' Length
- Part # H100-CG 1" UltraMax Hose GREEN; CUSTOM LENGTH (Upon Request)

## ECONOMY

# UltraMax™ Clear

### SMOOTH FINISH AND LIGHTWEIGHT

An economical multi-purpose clear hose...made of clear Pliovic material and reinforced spiral yarn for extra strength. Ideal for light to medium commercial duty including golf course greens.

### features

- 600 Psi Burst Pressure
- Machined Brass Couplings
- Non-Conductive Hose
- Lightweight, Durable And Thick Outer Wall
- Very Smooth Finish



### Hose Weight for 100' (30.48m)

3/4" UltraMax Clear	20 lbs. (9kg)
1" UltraMax Clear	39 lbs. (17.5kg)

*Custom Lengths,  
Quick Turnaround!*

### ordering UltraMax-Clear Hose

Part # H75-050C	3/4" UltraMax Hose CLEAR; 50' Length
Part # H75-075C	3/4" UltraMax Hose CLEAR; 75' Length
Part # H75-100C	3/4" UltraMax Hose CLEAR; 100' Length
Part # H75-125C	3/4" UltraMax Hose CLEAR; 125' Length
Part # H75-CC	3/4" UltraMax Hose CLEAR CUSTOM LENGTH; (Upon Request)
Part # H10-050C	1" UltraMax Hose CLEAR; 50' Length
Part # H10-075C	1" UltraMax Hose CLEAR; 75' Length
Part # H10-100C	1" UltraMax Hose CLEAR; 100' Length
Part # H10-125C	1" UltraMax Hose CLEAR; 125' Length
Part # H100-CC	1" UltraMax Hose CLEAR CUSTOM LENGTH; (Upon Request)

## Hose Repair

**HOSE MENDER CLAMPS - SUPER HEAVY DUTY** Designed to do the job right and built to last. Made of Zinc, Stainless Steel and ED finish.



**MEND THOSE VALUABLE HOSES!**

**SOLID BRASS - ULTRA-RELIABLE** For reliable, crush proof, high-performance year after year, you just can't beat our machined brass hose repair fittings.



Male Hose Mender Female Hose Mender Coupling Worm Clamp

**DO THE JOB RIGHT, BUILT TO LAST!**

### ordering Hose Clamps - Super Heavy Duty

Part # HR-58F	(5/8") Clamp with Female Brass Mender
Part # HR-58M	(5/8") Clamp with Male Brass Mender
Part # HR-58C	(5/8") Clamp (2) with Coupling Mender
Part # HR-75F	(3/4") Clamp with Female Brass Mender
Part # HR-75M	(3/4") Clamp with Male Brass Mender
Part # HR-75C	(3/4") Clamp (2) with Coupling Mender

### ordering Hose Menders - Ultra Reliable

Part # HRBM-10-C	Hose Repair 1" Coupling Brass Mender
Part # HRBM-10-F	Hose Repair 1" Female Brass Mender
Part # HRBM-10-M	Hose Repair 1" Male Brass Mender
Part # HRBM-58-C	Hose Repair 5/8" Coupling Brass Mender
Part # HRBM-58-F	Hose Repair 5/8" Female Brass Mender
Part # HRBM-58-M	Hose Repair 5/8" Male Brass Mender
Part # HRBM-75-C	Hose Repair 3/4" Coupling Brass Mender
Part # HRBM-75-F	Hose Repair 3/4" Female Brass Mender
Part # HRBM-75-M	Hose Repair 3/4" Male Brass Mender
Part # HWC-050-125	Hose Worm Clamp; (For OD's 1/2" to 1 1/4"); Use with 5/8" Hose or 3/4" Hose
Part # HWC-075-175	Hose Worm Clamp; (For OD's 3/4" to 1 3/4"); Use with 3/4" Hose or 1" Hose

## ECONOMY

# Proline™ Gold Series

### SMOOTH FINISH AND LIGHTWEIGHT WITH MODERATE BURST PRESSURE RATING.

An economical multi-purpose hose made of super heavy duty, long life flexible TPE, the same material as our top of the line UltraMax Blue Hose, but with lower rating burst pressure.

Not recommended for high pressure applications.

### features

- 500 Psi Burst Pressure
- Machined Brass Couplings
- Lightweight, Durable

**500 PSI BURST / 125 PSI OPERATING PRESSURE RATING**  
(34.47 BAR / 8.62 BAR)

### Hose Weight for 100' (30.48m)

5/8" Gold Series	16 lbs. (7.25kg)
3/4" Gold Series	24 lbs. (11kg)



The ideal hose for clubhouse and other commercial lower pressure landscape applications.

### ordering Proline Gold Series Hose

Part # H58-050PRO-G	5/8" Proline Hose Gold; 50' Length
Part # H58-075PRO-G	5/8" Proline Hose Gold; 75' Length
Part # H58-100PRO-G	5/8" Proline Hose Gold; 100' Length
Part # H75-050PRO-G	3/4" Proline Hose Gold; 50' Length
Part # H75-075PRO-G	3/4" Proline Hose Gold; 75' Length
Part # H75-100PRO-G	3/4" Proline Hose Gold; 100' Length



For store merchandising, ask your Underhill representative how you can receive a **FREE Super Tower Display** with a minimum purchase starter program!

# Proline™ Gold Series

## Professional's Choice Watering Products

PROFESSIONAL QUALITY WATERING NOZZLES

for landscape turf or plant watering - *low to medium* flow pressure applications

### Pattern Master

Multi-Pattern Spray Nozzle

*Gold Series*



#### features

- 8 Easy-Click Selectable Patterns
- Metal-Zinc / Brass Construction
- Fits 3/4" Hose Thread Inlet

8 Multi-Spray Patterns



### ProSpray™

Variable Spray Gun

*Gold Series*



#### features

- Smooth Trigger Operation, No Leak Design
- Metal-Zinc / Brass Construction
- Fits 3/4" Hose Thread Inlet

Variable Spray Patterns



### Magnum-Mini™

Adjustable Spray Nozzle

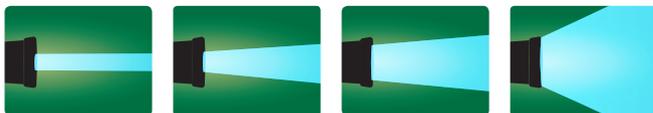
Ideal for turf or plant watering, equipment washdown, seed beds.

*Gold Series*



#### features

- Easy Adjusting
- No Leak Design
- Compact – High Performance
- Ideal Nozzle for Low - Medium Pressure Applications



### Extender™ Wand

Wand Spray Nozzle

Telescoping feature with ratchet adjusts head. Super soft pattern & easy click selection.

*Gold Series*



#### features

- Smooth Trigger Operation, No Leak Design
- Full Telescoping Handle from 28" To 41" Length
- Metal-Zinc / Brass Construction
- Fits 3/4" Hose Thread Inlet



320° Ratcheting Spray Head



Long



PushSmart On/Off & Flow Control



Short

#### ordering

- Part # NG200-8S PatternMaster™ Gold Series Multi-Pattern Spray Nozzle
- Part # NG200-P ProSpray™ Gold Series Variable Spray Gun
- Part # NG350 Magnum-Mini™ Gold Series Adjustable Spray Nozzle
- Part # NG200-TW Extender™ Gold Series Wand Spray Nozzle

# Magnum™ UltraMAX *Premium Plus* PRO Series

MADE OF SUPER HEAVY DUTY METAL ALLOY, AND TPR RUBBER



*Premium Plus*



## FULL THROTTLE

**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)

**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)
- Nozzles and Valves rated at 600 PSI working pressure

## 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:

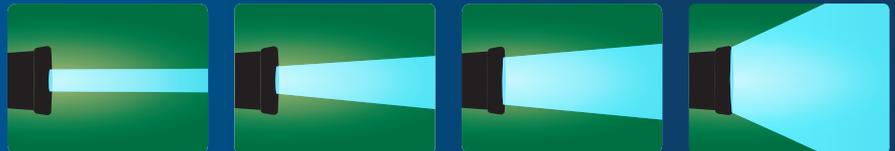
Opens with 12-17 GPM (45-64 L/min)  
Turbo Shifts to 20-43 GPM (76-163 L/min)

### Super High Flow Model:

34-104 GPM (129-394 L/min)



Available in Two Options - *Premium Plus* & *Premium*



Variable sprays for any application

### ordering PREMIUM PLUS - All flow rates based on 80 psi (5,5 bar)

Low Flow	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
High Flow	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
Super High Flow	Part # NG550-DFSH-10	Turbo Shift 34-104 GPM (129-394 L/min) - 1" FHT inlet
Low Flow	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
High Flow	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
Super High Flow	Part # NG500-SFSH-10	Full Throttle 39-100 GPM (148-379 L/min) - 1" FHT inlet
	Part # HS-NC500/550	Hex Screw for Retaining Cap
	Part # OR-NG500/550	Teflon Seal
	Part # RC-NG500/550	Retaining Cap

# Magnum™ UltraMAX *Premium* PRO Series

MADE OF HIGH STRENGTH COMPOSITE MATERIAL, AIRCRAFT ALUMINUM AND TPR RUBBER



## 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 Flow Model (only):**

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



**NEW!**

*Premium*

## FULL THROTTLE

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

**High Flow Model (only):**

15-40 GPM (57-151 L/min)



**NEW!**

*Premium*

### features / specifications

- Multi-Pattern Spray: Fog, Jet Stream, Fan
- Built for 1" and ¾" Hose Flow Rates (range: 7-43 GPM)
- Nozzles and Valves rated at 600 PSI working pressure



Pistol Grip



Firefighter Grip

## 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.

Scan to learn more!



### ordering PREMIUM - All flow rates based on 80 psi (5,5 bar)

High Flow	Part # NG650-DFH-75	Turbo Shift 12-43 GPM (45-163 L/min) - ¾" FHT inlet
	Part # NG650-DFH-10	Turbo Shift 12-43 GPM (45-163 L/min) - 1" FHT inlet
High Flow	Part # NG600-SFH-75	Full Throttle 15-40 GPM (57-151 L/min) - ¾" FHT inlet
	Part # NG600-SFH-10	Full Throttle 15-40 GPM (57-151 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

ECONOMY

# 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

- Solid metal internal - no plastic parts to break or wear out
- Multi-pattern sprays - effortless control with hydraulic assist on/off
- Ratchet mechanism prevents over-tightening damage
- Fire hose quality nozzle feels great in your hands
- Built for 1" and ¾" flow rates

### specifications

Materials: Brass, Stainless Steel, Aluminum, TPR rubber Flow: 37 GPM at 80 psi



## PowerBlast™ SOLID BRASS NOZZLE SERIES

Heavy duty solid machined brass construction nozzles built to perform and last. Low flow designed to save water yet produce high power jet output. Ideal for equipment power wash down, cleaning driveways and walkways with minimum water usage - 7 GPM at 80 PSI



### SUPER SWEEPER 6"



### SWEEPER JR. 2"



### MULTIMAX ADJUSTABLE NOZZLE 4"

High Pressure Easy Twist variable pattern nozzle, no leak design fine mist to power jet spray adjustment 5 GPM at 80 PSI



### features

- Solid Machined Brass Construction
- Constant Flow Smooth Operation
- Simple Reliable Long Life

## 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)
- Ergonomic handle/valve provides easy grip and variable on/off control.
- Durable solid metal design



Perfect for tournament play, CoolPro™ puts down only enough water to cool the turf canopy. It prevents wilting while maintaining good ball speed.

### ordering

Part # NG450	MAGNUM™ Hose Nozzle
Part # SN6-75	Super Sweeper 6" Power Nozzle-¾" FHT Inlet
Part # SN2-75	Sweeper 2" Power Nozzle -¾" FHT Inlet
Part # GNA-75	MultiMax Adjustable Nozzle -¾" FHT Inlet
Part # HNC075	CoolPro™ Valve and Nozzle
Part # HNO600	CoolPro™ Nozzle only
Part # CV075L	CoolPro™ Valve only

# Precision™ Nozzle Kits

## 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



- CoolPro™ TASKS:** Greens, tees, seed beds, transplants, delicate landscaping (4-6 GPM)  
**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™ TASKS:** Pre-game skins watering, heavy watering of large areas, ideal for hydroseeding (50+ GPM)

Note: GPM will vary  
with pressure at nozzle.



Scan to learn more!

Nozzle Kits include brass High Flow Control Valve and ¾" MHT x 1" FHT Adapter. To order nozzle only: remove "CV" from part number.



### ordering

Part # HN0600CV	Precision™ <b>CoolPro™</b> Nozzle Kit
Part # HN1500CV	Precision™ <b>Rainbow™</b> Nozzle Kit
Part # HN2300CV	Precision™ <b>Rainmaker™</b> Nozzle Kit
Part # HN4800CV	Precision™ <b>Cloudburst™</b> Nozzle Kit
Part # HN5000CV	Precision™ <b>Cyclone™</b> Nozzle Kit

## NozzleLocker™

THE VERY BEST NOZZLES - KEEP THEM SECURE

### kit includes

- Entire Precision™ Nozzle Series
- Solid Brass High-Flow Valve
- CoolPro™ with Precision™ fogging nozzle
- Your choice of MAGNUM™ multi-pattern nozzle (original, UltraMAX Turbo Shift, or UltraMAX Full Throttle)
- Unbreakable, lockable, corrosion-proof case to keep these tools safe and secure

### ordering

Part # HP-K1	NozzleLocker™ with ¾" Magnum (yellow) nozzle
Part # HP-K2	NozzleLocker™ with ¾" Magnum UltraMAX Full Throttle nozzle
Part # HP-K3	NozzleLocker™ with ¾" 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



# 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 locator.



Scan to learn more!

# 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



Tough TPR rubber bumper protects nozzle

### ordering

- |               |   |
|---------------|---|
| Part # DN-75  | DrainBlaster™ Nozzle - ¾" FHT Inlet   |
| Part # DN-10  | DrainBlaster™ Nozzle - 1" FHT Inlet   |
| Part # SHN-75 | RainPro™ Shower Nozzle - ¾" or 1" FHT Inlet (includes ¾" Adapter Part# A-BA107MF) |
| Part # SHN-10 | RainPro™ Shower Nozzle - 1" FHT Inlet   |

## NEW! Solid Brass Quick-Connect

Available in ¾" & 1" sizes



### HIGH-FLOW SOLID BRASS SHUT OFF VALVE:

- Stainless Steel Ball Shut-off
- Handy Thumb Shut-off Lever
- Large O-ring inlet, for low friction/high flow

### HIGH-FLOW COMPOSITE/STEEL VALVE:

¾" hose thread inlet/outlet, oversized handle, up to 55 GPM



Hose Adapters

- |                  |                                      |
|------------------|--------------------------------------|
| Part # A-BQ7M    | ¾" Quick-Connect, male end           |
| Part # A-BQ7F    | ¾" Quick-Connect, female end         |
| Part # A-BQ10M   | 1" Quick-Connect, male end           |
| Part # A-BQ10F   | 1" Quick-Connect, female end         |
| 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 # HNO75W    | replacement washer, ¾" hose          |
| Part # HN100W    | replacement washer, 1" hose          |

# DeepDrip™



## TREE WATERING STAKES

Water and fertilize your trees at the roots, encouraging deeper roots and healthier trees with DeepDrip™ stakes. Water gets underground fast, so you can irrigate for shorter periods and save water. They also help aerate the soil, and you can add fertilizer into the shaft to direct nutrients to the root zone.

**Three Lengths For All Tree Sizes:** Use the 14.5" stake for shallow root trees and shrubs, like rose bushes and ornamental trees (or boxed trees). The 24.5" stake is best for most other tree varieties except for palms and similarly deeper rooted trees, which will benefit from the longer 36" stakes.

**Built Smart - And Easy To Use:** The DeepDrip's reinforced tip and cap are made from ABS and the upper shaft is made from Schedule 40 PVC. Multiple holes in the bottom half of the spike, internally covered by a mesh filter, allow water to flow out but keep dirt from getting in and clogging the tube. The UV-protected cap acts as a reinforced cover when pounding the stake into the ground, keeps debris from entering the shaft and holds a 1/4" drip line/emitter securely in place. By inserting a screwdriver through the two holes at the top of the upper shaft, stakes can be easily pulled up to remove/reposition, or rotated to deter root invasion.

**ADD TO EXISTING TREES!** Install DeepDrip™ stakes during or after tree planting for instant access to the root system for fertilizer delivery or to set up deep automatic drip watering.



### ordering

Part # A-DD14	DeepDrip™ 14.5" watering stake
Part # A-DD24	DeepDrip™ 24.5" watering stake
Part # A-DD36	DeepDrip™ 36" watering stake

## easyOUT™ QUICK FIX sprinkler removal tool

### SPRAY HEAD REMOVAL & REPLACEMENT JUST GOT EASIER AND FASTER!

Finally, a unique tool designed and engineered to help you do the job like never before...

- No Digging
- No Damage to Turf
- Saves Time and Money

### *Fits All Major Spray Head Brands*

*Removes Sprinkler in 3 Minutes or Less!*

#### STEP 1



- Remove cap and inside components
- Insert rod into sprinkler body

#### STEP 2



- Place tool over rod and inside sprinkler body
- Rotate tool counter clockwise to remove body

#### STEP 3



- Place new sprinkler over rod and into ground
- Push down and rotate tool clockwise to connect sprinkler body to pipe

#### STEP 4



- Replace new sprinkler components and cap

### ordering

**Part #:** A-E0-SRT12K  
EasyOut™ fits 2"- 6" spray heads

**Part #:** A-E0-SRT18K  
EasyOut™ fits 2"- 12" spray heads

**Part #:** A-E0-05EC  
EasyCap™ 1/2" female FPT fitting

# SuperKey XL™

## MULTI-PURPOSE TOOL FOR TORO, RAINBIRD GOLF SPRINKLERS

The ultimate all-in-one tool for your golf sprinklers... think of it as a Swiss army knife, a must have companion. Made of stainless steel and composite material, it effortlessly turns electric valve-in-heads on and off, removes internal snap rings and performs many other sprinkler maintenance chores. Great for John Deere®/Signature® sprinklers, too!

Snap Ring Removal  
(Bottom Valve or Internal  
Rotor Assembly)

Screwdriver Tip for  
Cap Disassembly or Pressure  
Regulator Adjustment

Filter  
Screen  
Removal

Hardened  
Bend Resistant  
Metal

High Strength  
Engineered  
Material

On/Off  
Control  
Pointer

On/Off Control  
Debris  
Removal

On/Off Control  
Assembly  
Removal

Solenoid  
Plunger  
Removal

On/Off  
Control

# EasyReach™ Key



## EXTRA-LONG SHAFT ON/OFF KEY

Extra long and extra heavy duty metal key designed for easy on/off operation for **TORO**, **Rain Bird** and John Deere/Signature electric valve-in-head golf sprinklers. Made of high grade metal, EasyReach offers years of effortless on/off operation.



# VersaLid™

## VALVE BOX UNIVERSAL REPLACEMENT LID

VersaLid™ is the easy solution for broken or missing valve box lids. No need to guess what brand a buried box is or even worse - dig it up to find out - VersaLid's locking system fits all 6"-7" round valve boxes.

### features

- Fits all 6"-7" round boxes
- Universal fit
- Greater top-load strength and more UV-resistant than structural foam lids
- Purple Lid available for non-potable/reclaimed water

**STRONGER! BETTER FIT!**  
than original equipment lids



MADE IN  
**USA**

# Splice Kit

## 3M DIRECT BURY SPLICE KIT

Each kit includes one wire connector which accommodates wire sizes from 18-10 gauge and a waterproof gel case. Excellent for golf, commercial and residential applications.

### ordering

Part # A-SKTRB	SuperKey™ XL for <b>Toro</b> ®, <b>Rain Bird</b> ® and John Deere® golf sprinklers
Part # A-ERT	EasyReach™ for <b>Toro</b> ® and John Deere®/Signature golf sprinklers
Part # A-ERR	EasyReach™ for <b>Rain Bird</b> ® golf sprinklers
Part # VL-6	Green VersaLid™ 6"-7" valve box lid
Part # VL-6P	Purple VersaLid™ 6"-7" valve box lid
Part # DBRY-4	Direct Bury Splice Kit - 4 Pack
Part # DBRY	Direct Bury Splice Kit - single unit

# 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.



Includes  
HoseTap, 1" MHT  
brass swivel and 3/4"  
adapter



## ordering

- Part # HN-T100S HoseTap™ for Toro® 1" inlet golf sprinklers
- Part # HN-T150S HoseTap™ for Toro® 1½" 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® 1½" inlet golf sprinklers / HoseTap
- Part # OR-150R Fits Rain Bird® 1½" inlet golf sprinklers / HoseTap



# The Claw™

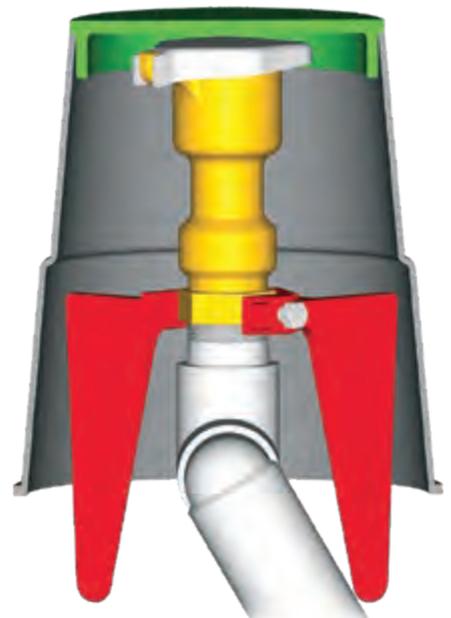
## QUICK COUPLER MOTION RESTRAINT

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 -  
Fits in 6" Round Box or Larger!

## ordering

- Part # QCA-075100 The Claw™ for 3/4" and 1" valves
- Part # QCA-150 The Claw™ for 1½" valves



The Claw™  
pictured with  
1" quick coupler,  
key and hose swivel.

# Ultra Brass™ *Gold Series* Quick Coupler Valves

**DURABLE SOLID BRASS, SINGLE SLOT/LUG ESSENTIALS BUILT TO LAST.**

Underhill Valves are Constructed of Solid Red Brass and Stainless Steel, with High Visibility Vinyl Covers, Our Valves Incorporate Rugged 1 and 2 Piece Design Options.

## QVS Series

### ONE PIECE BODY/SINGLE SLOT

- Red Brass
- Interchanges with Rain Bird, Toro, Hunter & Buckner
- Stainless Steel Accessories
- Spring Loaded Vinyl Covers



**1-piece Valve**  
( $\frac{3}{4}$ " FPT inlet)  
Part # QV-075R



**1-piece Valve**  
(1" FPT inlet)  
Part # QV-100R



**1-piece Valve**  
Part # QV-150R  
( $1\frac{1}{2}$ " FPT inlet)



Cutaway of  
2-Piece Valve



**2-piece Valve**  
( $\frac{3}{4}$ " FPT inlet)  
Part # QV-075-2P



**2-piece Valve**  
(1" FPT inlet)  
Part # QV-100-2P



## QVD Series

### TWO PIECE BODY/SINGLE SLOT

- Red Brass
- Interchanges with Rain Bird, Toro, Hunter & Buckner
- Stainless Steel Accessories
- Spring Loaded Vinyl Covers

### Cross Reference Chart

Single Piece Body - Brass Quick Couplers					
Underhill Model No.	Description	Buckner	Rain Bird	Toro	Hunter
QV-075R	$\frac{3}{4}$ " Quick Coupler w/ Yellow Rubber Cover	QCVO75R	3RC	473-01	N/A
QV-100R	1" Quick Coupler w/ Yellow Rubber Cover	QCV100R	33DRC	473-21	N/A
QV-150R	$1\frac{1}{2}$ " Quick Coupler w/ Yellow Rubber Cover	QCV151R	N/A	476-01	N/A
Two-Piece Body - Brass Quick Couplers					
Underhill Model No.	Description	Buckner	Rain Bird	Toro	Hunter
QV-075-2P	$\frac{3}{4}$ " Quick Coupler w/ Yellow Rubber Cover	QB33RC07	N/A	N/A	N/A
QV-100-2P	1" Quick Coupler w/ Yellow Rubber Cover	QB44RC10	44-RC	100-2SLVC	HQ-44

# Ultra Brass™ *Gold Series* Quick Coupler Keys

## ULTRA BRASS KEYS ARE HEAVY DUTY SOLID BRASS WITH STAINLESS STEEL

Single Lug designed to fit Underhill Ultra Brass Quick Coupler QVS Series 1-Piece Valves, And QVD Series 2-Piece Valves, Also Compatible with Other Popular Valve Brands.  
(See Cross Reference Chart Below)

### QKS Series

- Red Brass
- Works with Both One Piece and Two Piece Quick Couplers
- Interchanges with Rain Bird, Toro, Hunter & Buckner
- Heavy Duty Galvanized Handles
- Stainless Steel; Single Lug on all models



**Quick Coupler Key**  
1" MPT x 3/4" FPT outlet  
Part # QK-100



**Quick Coupler Key**  
3/4" MPT x 1/2" FPT outlet  
Part # QK-075



Stainless Steel Lugs  
for Longer Life



**Quick Coupler Key**  
1 1/2" MPT x 1 1/4" FPT outlet  
Part # QK-150

### Cross Reference Chart

#### Brass Quick Coupler Keys (Single Lug) - Fits the Following Quick Couplers

Underhill Model No.	Description	Buckner	Rain Bird	Toro	Hunter
QK-075	3/4" MPT x 1/2" FPT Key	Q33K07	33DK	463-01	N/A
QK-100	1" MPT x 3/4" FPT Key	QB44K10	44K	464-01	HK-44
QK-150	1 1/2" MPT x 1 1/4" FPT Key	QC151	7K	466-01	N/A



### 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

# Ultra Brass™ *Gold Series* Impact Sprinklers

**Solid Brass, Ultra-Reliable Work Horses** for Reliable, Trouble-Free, High-Performance Year after Year... You Can't Beat Our Proven Impact Drive Sprinklers. Designed with High Uniformity Nozzles, Available in Full Circle and Full/Part Circle Models Along with Additional Nozzle (Gpm/Radius) Options.

## Full Circle Sprinklers



Part # SI075F  
**3/4" MPT Full Circle**  
 GPM: 11  
 Radius (ft.): 50



Part # SI100F  
**1" MPT Full Circle**  
 GPM: 25.4  
 Radius (ft.): 66



Part # SI125F  
**1 1/4" MPT Full Circle**  
 GPM: 48.3  
 Radius (ft.): 93

### features

- Solid Brass Construction
- Stainless Steel Drive Spring
- Bearing Assemble Hood for longer wear life
- Chemical Resistance Bearing Seals
- Straight-Flow, Low Pressure Loss
- Standard Solid Brass Nozzle included

Performance data shown with standard nozzle set @ 80 psi

ordering	Full Circle	GPM	Radius (ft.)
Part # SI075F	3/4" MPT Full Circle	11	50
Part # SI100F	1" MPT Full Circle	25.4	66
Part # SI125F	1 1/4" MPT Full Circle	48.3	93

GPM and radius will vary with pressure at sprinkler



# Ultra Brass™ *Gold Series* Impact Sprinklers

## Part/Full Circle Sprinklers



Part # SI075P  
 3/4" MPT Part/Full Circle  
 GPM: 8.3  
 Radius (ft.): 93



Part # SI100P  
 1" MPT Part/Full Circle  
 GPM: 28  
 Radius (ft.): 71



Part # SI125P  
 1 1/4" MPT Part/Full Circle  
 GPM: 66  
 Radius (ft.): 94

### features

- Solid Brass Construction
- Stainless Steel Drive Spring
- Bearing Assemble Hood for longer wear life
- Chemical Resistance Bearing Seals
- Straight-Flow, Low Pressure Loss
- Standard Solid Brass Nozzle included

### Other Nozzle Options are Available:

Larger and Smaller Nozzle available for most models.  
 See List Pricing or: [www.underhill.us](http://www.underhill.us)



Underhill® brass impacts atop the RollerPro™ portable base puts a powerful sprinkler anywhere you can run a hose. (See page 20)

Performance data shown with standard nozzle set @ 80 psi

ordering	Part/Full Circle	GPM	Radius (ft.)
Part # SI075P	3/4" MPT Part/Full Circle	8.3	93
Part # SI100P	1" MPT Part/Full Circle	28	71
Part # SI125P	1 1/4" MPT Part/Full Circle	66	94

GPM and radius will vary with pressure at sprinkler



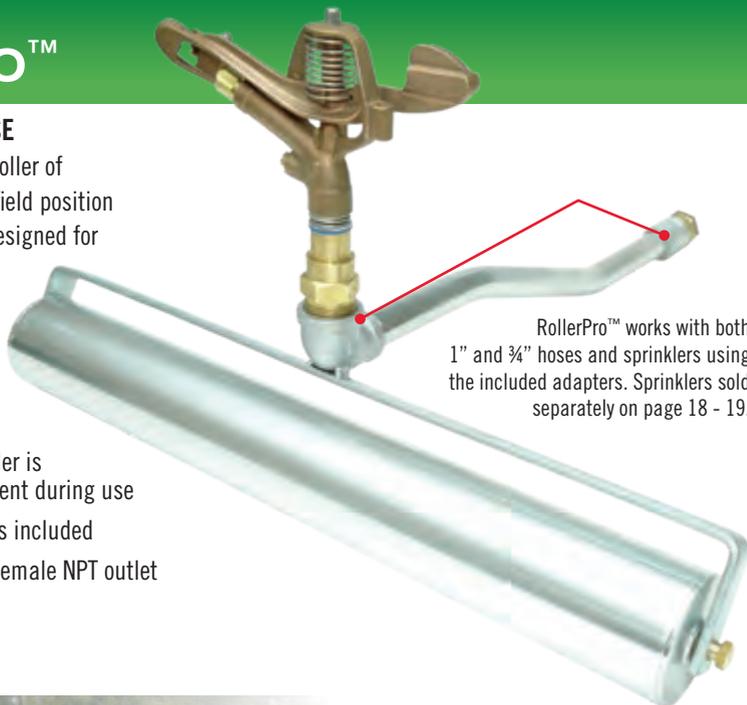
# RollerPro™

## 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
- ¾" inlet and outlet adapters included
- Standard 1" FHT inlet x 1" female NPT outlet



RollerPro™ works with both 1" and ¾" hoses and sprinklers using the included adapters. Sprinklers sold separately on page 18 - 19.



# 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 9) and connect Add-On Kits for larger area needs.



**Starter Kit** includes 20' of ½" 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 ½" 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.)

### ideal for

- Leaching salts on greens
- Targeting hot spots on fairways, roughs, etc.
- Mound watering
- New seed grown in
- Other low volume watering

### ordering

Part # A-RP221	RollerPro™	Part # R75-HFM-40	Pressure Regulator (40 psi)
Part # SS-SK	SpotShot™ Starter Kit (20 ft. rad, 0.65 GPM)	Part # TP-050-20	20' Coil of ½" PVC, SuperFlex Pipe
Part # SS-AOK	SpotShot™ Add-on Kit (20 ft. rad, 0.65 GPM)	Part # S40-050-HFS	¾" Hose Thread Female x Male, Slip Fitting
Part # SS-SK26	SpotShot™ Starter Kit (20 ft. rad, 1.2 GPM)	Part # S40-050-HMS	¾" Hose Thread Male x Female, Slip Fitting
Part # SS-AOK26	SpotShot™ Add-on Kit (20 ft. rad, 1.2 GPM)	Part # SS-S16	Micro-sprinkler (20 ft. rad, 0.65 GPM - 0.16 in/hr)
Part # SS-SB	SpotShot™ Sprinkler Base	Part # SS-S26	Micro-sprinkler (20 ft. rad, 1.2 GPM - 0.26 in/hr)

# 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.



**fusarium patch**

**pythium blight**

**yellow patch**  
(rhizoctonia)

**brown patch**

**anthracnose**

get a jump on **broken or poor-performing sprinklers**

highly efficient **spot watering** saves time and labor costs

superior **weed location** and spraying saves time and money

## 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.



## ordering

Part # NG655-01 TurfSpy™ Glasses and Deluxe Case

# Tracker™

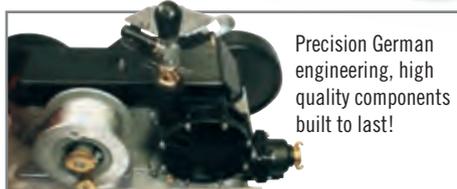
## PORTABLE IRRIGATION MACHINE

The Tracker™ offers an economical solution for supplementing seasonal watering needs of ¼ acre to 2 acre areas. It's also ideal for irrigating athletic fields, cemeteries, golf course roughs, or other large areas where an underground system is impractical. Built to last with precision German engineering and high quality materials, this portable powerhouse can irrigate an entire football field in just two passes.

Tracker™ requires minimal labor to operate. Powered by water, it pulls itself along a nylon cable, dragging up to 360 ft. of 1" reinforced heavy-duty hose (sold separately). Each pass irrigates about 2/3 acre per 8 hours of operations.

## features

- Adjustable Speed Control: 20-70 ft./hr.
- Standard full or part circle sprinkler (8-15 GPM)
- 70-85 ft. pass width
- Automatic shut-off at end of pass
- 360 ft. nylon cable provides irrigated length of 400 ft.
- Water turbine drive and gear box
- Galvanized anchor stake
- Includes 1" brass Quick-Connect adapter



Precision German engineering, high quality components built to last!

## specifications

- Weight: 58 lbs.
- Size: Length 33" Width 22", Height 22"
- Materials: Aluminum, Brass, ABS
- Minimum Operating Water Pressure: 50 psi
- Hose Required: 1"

## ordering

Part # T-400  
Tracker™ Irrigation Machine

Scan to learn more!



# Gulp™ ULTRAMAX PLUS

PREMIUM WATER REMOVAL PUMPS

## SUPER HIGH-CAPACITY WATER REMOVAL SUCTION PUMPS

Whether you need to remove water from sprinklers and valve boxes or other areas or devices, UltraMax Series Pumps are the ideal tools for the job.

### unique features

- Highest Quality Materials and Attention to Details
- Unique Replacement Plunger Seal and O-Ring Wiper Seal Assemblies for Extra Long Pump Life
- Self Priming, High Volume Water Capacity
- Super-Grip Ergonomic Pump Handle
- Super Smooth & Durable Pumping Action
- Replacement Part Kits Available

**The ONLY pump that completely disassembles for easy cleaning!**



### MudGuard™

- Built-in Filter minimizes clogging and makes pumping easier.
- A must have accessory for dirty water use
- Easy on and off for cleaning out debris



Included with 36" Big Gulp



Sure-Fit Discharge Hose Connector Stays Intact!

High Grade Discharge Hose (72" or 36")

Unique EZ-CLEAN Removable O-Ring Wiper Seal

Removable Head Assembly for Easy Cleaning

Heavy Duty Clear Extra High Strength Polycarbonate Cylinder Body

### BIG GULP ULTRAMAX PLUS

- 35 oz./stroke
- 36" pump chamber
- 72" or 36" outlet hose available

Part # A-G3672CK  
Part # A-G3636CK

Aircraft Aluminum Grade Pump Shaft

Easy to Clean or Replace Plunger Seal

Removable Intake Foot/Filter for Easy Cleaning

# Gulp™ ULTRAMAX PLUS

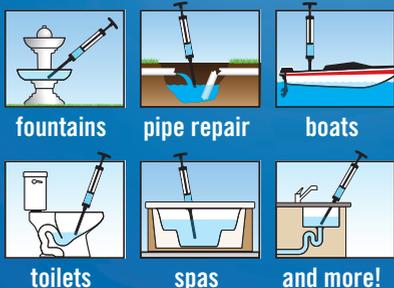
PREMIUM WATER REMOVAL PUMPS



Discharge Hose  
(36" or 18")



also great for



fountains

pipe repair

boats

toilets

spas

and more!

## GULP ULTRAMAX PLUS

- 18 oz./stroke
- 14" clear pump chamber
- 36" or 18" outlet hose available

Part # A-G1236-C

Part # A-G12-C



## GULP SYRINGE ULTRA

- 12 oz./stroke
- 12" pump chamber

Part # A-G12S-C



MudGuard  
also sold  
seperately



Easy to clean,  
replacement parts  
available.



## ordering

- |                  |  |
|------------------|--|
| Part # A-G3672CK | BIG Gulp™ UltraMax Plus w/ 72" outlet hose |
| Part # A-G3636CK | BIG Gulp™ UltraMax Plus w/ 36" outlet hose |
| Part # A-G1236-C | Gulp™ UltraMax Plus w/ 36" outlet hose     |
| Part # A-G12-C   | Gulp™ UltraMax Plus w/ 18" outlet hose     |
| Part # A-G12S-C  | Gulp™ Syringe Ultra                        |
| Part # A-GBV     | Gulp Bottom Valve                          |
| Part # A-GMG     | MudGuard package                           |
| Part # A-GRPP    | Replacement parts package                  |
| Part # A-GTUB-C  | Outlet hose - 100 ft. roll                 |

# CatchCan **ULTRA**

Finally, an Irrigation Auditing Cup Designed with Features That Get The Job Done Right, Quickly and Accurately. Precise Measurements Of Sprinkler Performance To Help Maximize Water Savings!

## **Built For The Pro**

- Easy To Read
- Easy To Transport
- Built To Last

**Wide 6" Throat Area**  
Improves Close-in Catchment

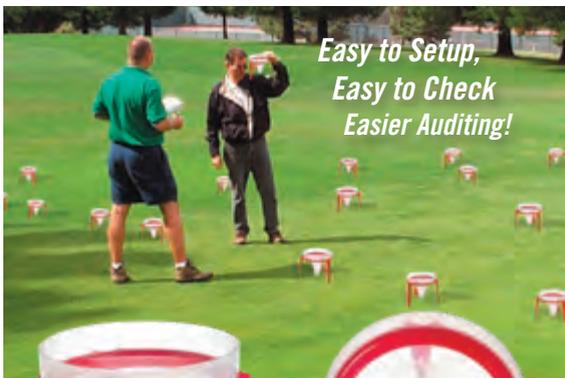
**Straight Vertical Sides**  
Reduces Splash-out,  
Improves Catchment Accuracy

**Stable 3-Legged Stand**  
Easily Anchors in Turf and Slopes

**Tinted Cup for**  
Faster Reading

**2 Piece Cup & Stand**  
For Fast Setup,  
Teardown, Transport  
and Storage

**Large Inch and mL**  
Values for Fast  
Data Collection



## 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 12 Pack Kit (comes with instructions)

## ordering

Part # CCUPK-12 CatchCan Ultra Cup & Stand - 12 Pack  
Part # CCUC CatchCan Ultra Replacement Cups - 6 Pack  
Part # CCUS CatchCan Ultra Replacement Stands - 6 Pack

# AuditMaster™

## EXPERT SPRINKLER PERFORMANCE TESTING PRO 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.



4"x 5" Marking flags on 21" wire (50-pack) are available in 6 colors.

### ordering

Part # AUD-LT **AUD-LT Pro Kit (Pictured):** Includes 36 CatchCan Ultras, Pressure Checker with Gauge/Hose/Pitot Tube, Schrader Valve, Pressure Checker with Spray Head Adapter, Hose Bib Tap, Stop Watch, Anemometer Wind Gauge, 100 ft Measuring Tape, 50 Marking Flags, Wheeled Carry Case.

Part # SALESPRO4 AuditMaster Carry Case

Part # A-STW Stop Watch

Part # A-WIND Anemometer Wind Gauge

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

## Pressure Checkers

### NOZZLE DISCHARGE PRESSURE GAUGES & ADAPTERS

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

### ordering

Part # A-PHG-160K PressureChecker™ gauge, 30" Flex Hose, Pitot Tube

Part # A-HCGPK PressureChecker™ gauge and Pitot tube

Part # A-SV-160K PressureChecker™ gauge with Schrader Valve Adapter

Part # A-SHG-160K PressureChecker™ gauge with Spray Head Adapter

Part # A-HBG-160K PressureChecker™ with 3/4" POC Hose Bib Tap

Part # A-PG160L PressureChecker™ 160 psi pressure gauge only

Part # A-HCP Pitot tube only

Part # A-HBT 3/4" Hose Thread x 1/4" Brass Hose Bib Tap

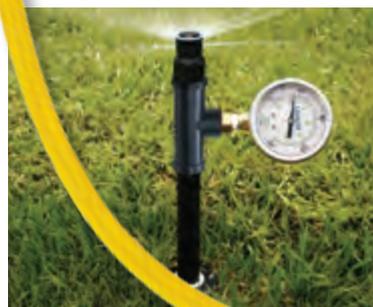
Part # A-SHA Spray Head Adapter



PITOT TUBE



SCHRADER VALVE



SPRAY HEAD



POC HOSE BIB



# Serious about saving water?

## 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	---	
T730-3515L (50 psi)	Green 35 / Red 15*	35	
T730-3615	Red 36 / Red 15*	36	
T730-3617	Red 36 / Lavender 17		

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



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



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

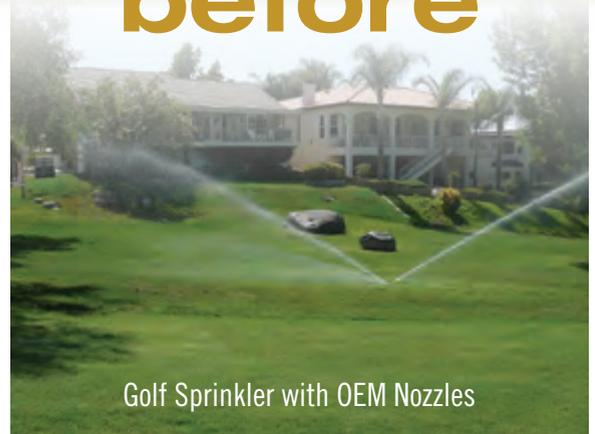


835S SERIES	Full Circle: Midrange/Close-in Nozzle Set		
Part #	Nozzle Color: midrange / close-in		
T835S-WP	White / Plug		

**630 SERIES** CALL FOR AVAILABILITY

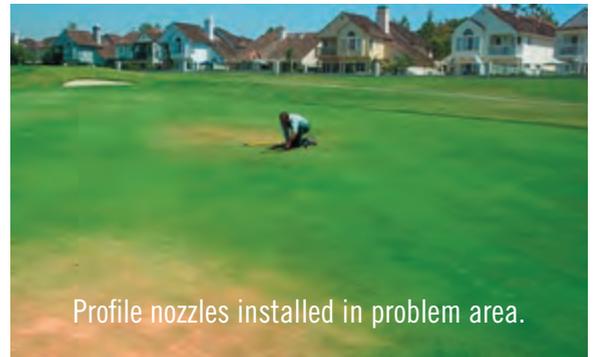
## Profile™ Solid Metal Golf Sprinkler Nozzles Ultra-High Uniformity

# before



Golf Sprinkler with OEM Nozzles

## August 14



Profile nozzles installed in problem area.



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, 880, 854S, DT SERIES	Midrange/Close-in Nozzle Set		
Part Circle (780), Full Circle (854S), Part/Full Circle (DT 54/55)	Nozzle Color: midrange / close-in	Toro Series	
T780-BY	Black / Yellow	780, 880	
T880-BY	Black / Yellow	880	
T854-BY	Black / Yellow	854S, 880	
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



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

# It's time to **replace** your 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.

## after



Same Golf Sprinkler with Profile Nozzles

### September 6



Uniform distribution restored, turf is green and healthy.

Scan to learn more!



See how Superintendents are upgrading their entire golf courses!

Video online now at [www.underhill.us](http://www.underhill.us)



## Profile™ nozzles for Rain Bird®



### EAGLE 700 SERIES

Full Circle: Midrange/Close-in Nozzles

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



**Look familiar?** Poor performing Eagle 700 sprinklers are often the result of clogged and worn nozzles. Profile nozzles' solid metal construction and nozzle shape were scientifically designed to solve this exact problem. They simply don't wear out. And they don't clog. **Upgrade your old golf sprinklers to better than OEM with Profile!**



### 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

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



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.

# PRO'S CHOICE WETTING AGENTS

The "Smart" Solution for Greens...  
Tees, Fairways & Roughs too!

*Ultimate Penetrant Plus Holder...  
No Immediate Watering is Necessary!*

**Tournament-Ready®**  
100% ACTIVE Ingredient  
PREMIUM PENETRANT SOIL SURFACTANT

Don't Settle For Less, Choose the Best!

*45 years of Research and Development in Pioneering  
High Performance Wetting Agent Products*



## What Makes Tournament-Ready® So Special?

3 Key Components utilizing Smart Surfactant Technology™

**Component #1:** Quick wetting penetration of soils, plus moves water out of water saturated soils.

**How does it do it?** Immediately relieves LDS and wets the soil profile where most competitive products will not wet the soil immediately and efficiently.

**Component #2:** Moves excess water out and keeps doing it

**How does it do it?** Tournament-Ready will reduce the surface tension and attraction of water molecules to each other, making water "spread and infiltrate". The effect will increase the downward movement of excess water out of the root zone while decreasing the upward movement of capillary water in the soil. This will remove excess water from the 12" zone of a USGA or California style green.

**Component #3:** Holds water in the right place where it should

**How does it do it?** Relieves LDS in thatch that won't wet, but will not leave thatch permanently wet. It will dry down like any part of the green, but allow water to continue to re-wet the area when Tournament-Ready is in use.

*Note:* Tournament-Ready does not require watering in and is non-phytotoxic but to achieve the results mentioned above, it is recommended to water in the product following application.

**Tournament-Ready®**



### ordering

Part # UHTUR02	TOURNAMENT-READY (2.5 Gal/9.48 Liter Jug) Soil Surfactant
Part # UHTUR30	TOURNAMENT-READY (30 Gal/114 Liter Drum) Soil Surfactant
Part # UHTUR55	TOURNAMENT-READY (55 Gal/208 Liter Drum) Soil Surfactant
Part # UHTUR265	TOURNAMENT-READY (265 Gal/1003 Liter Tote) Soil Surfactant



# H2O Maximizer™ LIQUID

## NONIONIC SOIL SURFACTANT, POLYMER RESIN BLEND

- Unique soil surfactant and polymer resin blend that can be tank mixed for spray application or injected directly into irrigation flow
- Surfactant ingredients provide initial soil wetting action while polymer resin adsorbs to soil particles for enhanced water retention
- Reduced watering requirements are achieved through surfactant's reduction of surface tension combined with polymer resin's attachment to soil particles for greater water holding capacity to guard against plant stress
- Polymer resin boosts water retention in soil to deliver enhanced residual activity

2.5 Gal / 9.48 L / 2 per case  
30 Gal / 113 L drum

### ordering

Part # UHHMAX02 H2O MAXIMIZER (2.5 Gal/9.48 Liters Jug) Surfactant/Polymer Resin Blend  
Part # UHHMAX30 H2O MAXIMIZER (30 Gal/114 Liters Drum) Surfactant/Polymer Resin Blend



# Medalist® Spray +

## ECONOMICAL NONIONIC SOIL SURFACTANT BLEND FOR SEASON-LONG APPLICATIONS

- Medalist, when used in a scheduled, water management program, will eliminate turf localized dry spot and enhance turf quality while reducing watering frequency
- Medalist's lower active formula incorporates the same university tested ingredients found in Tournament-Ready Soil Surfactant to deliver comparable performance to leading competitive products at a reduced price
- Get the most out of rain and irrigation
- Saves money on water and energy costs

2.5 Gal / 9.48 L / 2 per case  
30 Gal / 113 L drum

### ordering

Part # UHMED02 MEDALIST (2.5 Gal/9.48 Liters Jug) Soil Surfactant  
Part # UHMED30 MEDALIST (30 Gal/114 Liters Drum) Soil Surfactant



# Hydro-Wet® Injectable LIQUID

## NONIONIC SOIL AND TURF WETTING AGENT FOR IRRIGATION INJECTION

- Hydro-Wet Injectable improves infiltration and penetration of rainfall and irrigation water
- Minimizes water loss due to run-off and evaporation
- Formulated for use with irrigation system metering equipment
- Hydro-Wet's high affinity for water drives down surface moisture to avoid spongy turf and standing water
- When university tested in comparison to 10 leading competitors, Hydro-Wet provided superior performance at reducing soil repellency

### ordering

Part # UHHYI30 HYDRO-WET INJECTABLE (30 Gal/114 Liters Drum) Liquid Concentrate

30 Gal / 114 L drum



# Tournament-Ready® Plus™ with Actosol® Pellets



8 oz /227 gm pellet  
16 pellets per case

## PROVEN TOURNAMENT-READY FORMULA W/ ACTOSOL AND MICRONUTRIENTS

- A combination of Tournament-Ready proven formula but with the addition of humic and fulvic acid, and micronutrients
- Uniform moisture management (doesn't bind in the thatch layer)
- Increases soil moisture without causing "spongy turf" problems
- The multiple benefits of humic and fulvic acids, calcium, and iron

### ordering

Part # UHTRPLPEL    TOURNAMENT-READY PLUS PELLETS (8 oz/227 gm Pellet)

# Tournament-Ready® Pellets



## PROVEN TOURNAMENT-READY FORMULA IN SOLID PELLET FORM



6 oz /170 gm pellet  
24 pellets per case

- Same University tested formula in solid pellet for supplemental treatments
- Treat small turf areas while hand watering using Underhill PelletPro applicator
- Inert binder is carrier for Tournament-Ready Soil Surfactant for metered hand watering application
- Tournament-Ready Pellets help cool canopy temperatures of turfgrass during high heat, stress conditions
- Pellet jar can be inserted in pellet applicator reservoir to modulate soil surfactant output

### ordering

Part # UHTRPEL    TOURNAMENT-READY PELLETS (6 oz/170 gm Pellet)

# Hydro-Wet® Pellets



6 oz / 170 gm pellets  
24 pellets per case

## CONCENTRATED HYDRO-WET IN SOLID PELLET FORM

- Same University-tested Hydro-Wet formula in solid pellet form for supplemental treatments while hand watering turf areas
- Hydro-Wet Pellets help to cool the canopy temperatures of turfgrass during high heat, stress conditions
- Apply with PelletPro Applicator

### ordering

Part # UHPEL-6    HYDRO-WET PELLETS (6 oz/170 gm pellet)

# H2O Maximizer® Pellets



8 oz /227 gm pellet  
16 pellets per case

## HOLD MORE PLANT AVAILABLE WATER W/ H2O MAXIMIZER PELLETS

- Increase irrigation and rain efficiency by enhancing plant available water
- Improve water infiltration and water holding capacity of soil
- Remains active in the soil for 4-6 weeks, then bio-degrades into natural materials
- Polymer resin delivers increased plant available water

### ordering

Part # UHH2OPEL    H2O Maximizer PELLETS (8 oz/227 gm pellet)



## WETTING AGENT QUICK SELECT GUIDE

LIQUID

PRODUCT	FUNCTION	ACTIVE INGREDIENT	APPLICATIONS OUTSTANDING FOR:
<b>Tournament Ready® Liquid</b>	<ul style="list-style-type: none"> <li>Penetrates</li> <li>Hydrates <b>LONGER</b> under <b>ALL</b> conditions</li> </ul>	<b>100%</b>	<ul style="list-style-type: none"> <li>Greens</li> </ul>
<b>Medalist® Liquid</b>	<ul style="list-style-type: none"> <li>Penetrates</li> <li>Hydrates under <b>ALL</b> conditions</li> </ul>	<b>52%</b>	<ul style="list-style-type: none"> <li>Approaches</li> <li>Tees</li> <li>Fairways</li> <li>Roughs</li> </ul>
<b>H2O Maximizer® Liquid</b> <i>SPECIALTY</i>	<ul style="list-style-type: none"> <li>Penetrates</li> <li>Ultra Hydration - Holds <b>MORE</b> water for dry conditions</li> </ul>	<b>28%</b>	<ul style="list-style-type: none"> <li>Bunker Facings</li> <li>New Sod/Seeding</li> <li>Fairways</li> <li>Roughs</li> </ul> <i>Economy Choices:</i> <ul style="list-style-type: none"> <li>Approaches</li> <li>Tees</li> <li>Roughs</li> <li>Fairways</li> </ul>

PELLETS

PRODUCT	FUNCTION	APPLICATIONS OUTSTANDING FOR:
<b>Tournament Ready® Plus™</b> with Actosol® Pellets <i>SPECIALTY</i>	<ul style="list-style-type: none"> <li>Penetrates</li> <li>Hydrates <b>LONGER</b> under <b>ALL</b> conditions</li> <li>Root Enhancing</li> </ul>	<ul style="list-style-type: none"> <li>Greens</li> </ul>
<b>Tournament Ready® Pellets</b>	<ul style="list-style-type: none"> <li>Penetrates</li> <li>Hydrates <b>LONGER</b> under <b>ALL</b> conditions</li> </ul>	<ul style="list-style-type: none"> <li>Greens</li> </ul>
<b>Hydro-Wet® Pellets</b> <i>SPECIALTY</i>	<ul style="list-style-type: none"> <li>Ultra Penetrates</li> </ul>	<ul style="list-style-type: none"> <li>Fairways</li> <li>Tees</li> <li>Approaches</li> <li>Roughs</li> </ul>
<b>H2O Maximizer® Pellets</b> <i>SPECIALTY</i>	<ul style="list-style-type: none"> <li>Penetrates</li> <li>Ultra Hydration</li> </ul>	<ul style="list-style-type: none"> <li>Bunker Facings</li> <li>New Sod/Seeding</li> <li>Fairways</li> <li>Roughs</li> </ul> <i>Economy Choices:</i> <ul style="list-style-type: none"> <li>Approaches</li> <li>Tees</li> <li>Roughs</li> <li>Fairways</li> </ul>



1 Qt / 946ml jug  
12 per case

## Bio-90™

### NONIONIC SURFACTANT / TANK MIX ADJUVANT

- Use Bio-90 when accompanying pesticide label instructions recommend the use of a nonionic surfactant tank mix adjuvant
- Bio-90 optimizes the performance of turf fungicides, insecticides and herbicides
- Use Bio-90 when uniform spray coverage and penetration into the targeted plant surface is preferred
- Bio-90 contains rainfast ingredient to minimize wash-off
- Bio-90 contains an antifoam ingredient to suppress troublesome foam during agitation

## Cadence™

### NONIONIC ORGANOSILOXANE / SPREADER / PENETRANT BLEND

- Cadence is a low use rate, spreader-activator tank mix adjuvant that significantly improves the performance of pesticide and fertilizer spray applications
- Use Cadence when the accompanying pesticide label instructions recommend the use of a nonionic surfactant
- Cadence's super spreading action is the result of reducing surface tension dramatically lower than traditional nonionic surfactant adjuvants
- Unlike conventional surfactants, Cadence rapidly covers and penetrates waxy plant surfaces to allow larger amounts of active ingredient to enter the plant
- Cadence works as a dew control agent for turf and as a mulch, peat or potting soil surfactant



1 Qt / 946ml jug  
6 per case

## Water FX™

### DRY WATER CONDITIONER / ACIDIFYING AGENT ADJUVANT

- Water FX effectively sequesters hard water minerals such as calcium, magnesium and iron that can interfere with many pesticide active ingredients
- Water FX lowers spray water pH to ensure full effectiveness of many insecticides, fungicides and herbicide sprays that perform better in moderately acidic water
- Certain pesticide active ingredients will be more effective and are more readily available to the plant with the use of Water FX



4 lb / 1.8kg jar  
6 per case

### ordering

Part # BI901Qt Bio-90 (1 Qt/946ml Jug) 90% Spreader-Activator/Nonionic Surfactant  
Part # CADEN1Q Cadence (1 Qt/946ml Jug) Organosiloxane/Spreader/Penetrant Blend  
Part # WFX04 WATER FX (4 lb/1.8 kg Jar) Dry Water Conditioner/Acidifying Agent



## Anti-Foam™

### ANTIFOAMING AND DEFOAMING AGENT

- Anti-Foam is a fast, effective defoamer for use in suppressing foam, controlling foam reduces filling time and lessens overflow waste
- Anti-Foam improves spray performance
- Silicone and surfactant blend work in tandem to quickly dissipate troublesome foam that forms during agitation

### ordering

Part # AF1Q ANTI-FOAM (1 Qt/946 ml Bottle)

## K-Klean™

### LIQUID TANK CLEANER

- K-Klean is an effective cleaner for metal, fiberglass and plastic spray systems
- K-Klean aids in the removal of dirt, grime, grease, chemical and fertilizer residues from tanks and equipment
- K-Klean helps eliminate rust and scale and keeps costly equipment in ready-to-use condition



1 Gal / 3.79 L jug  
4 per case

### ordering

Part # KKLEAN01 K-KLEAN (1 Gal/3.79 Liters Jug) Liquid Tank Cleaner



1 lb / 456 gm jar  
12 per case

## Tank Cleaner™

### DRY TANK & EQUIPMENT CLEANER

- Tank Cleaner is designed for cleaning tanks, lines and nozzles to remove pesticide, herbicide and fertilizer residues
- Tank Cleaner also removes light rust and dissolves deposit buildups while leaving a protective film that helps prevent corrosion
- Color dye in Tank Cleaner indicates ingredients are still active in solution

### ordering

Part # TC01 TANK CLEANER (1 lb/456 gm Jar) Dry Tank & Equipment Cleaner

## Benchmark™

### ALL SEASON FOAM MARKER

- This foam concentrate is specially formulated to deliver long lasting foam in a range of weather and field conditions
- This highly concentrated formula, when used as directed will produce thick, white, highly visible foam. Benchmark can be used with any compressed air foam marking equipment to provide long lasting foam deposits on turf or soil areas to avoid over-sprays or skips
- Benchmark is formulated with conditioners for hard water situations and can be used with foam colorants

### ordering

Part # BMK01 BENCHMARK Foam Marking Agent (1 Gal/3.79 Liters Jug)



1 Gal / 3.79 L jug  
4 per case





# 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.



PelletPro™ rotates pellets at one revolution per second (RPS) to evenly dissolve/apply wetting agent

### 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/applies tablets



Scan to learn more!



### IN-LINE APPLICATOR OPTION

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

PelletPro's bowl works great as an in-line filter replacement for most spray rigs. Heavy-duty, transparent bowl shows fluid levels, won't crack during winter storage.



# 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."



MADE IN USA

6-Pack Polybottles & Carrier

### 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	
<b>Part # A-PPWASHNK</b>	<b>PelletPro Applicator Gun (with 1" FHT x 3/4" MHT Adaptor) with RainPro Nozzle</b>	
<b>Part # A-PPWASHNK-E</b>	<b>PelletPro Applicator Gun (with 3/4" quick connect adaptor) with RainPro Nozzle</b>	
Part # A-PPB	In-line Filter Bowl (gasket not included)	
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)	
<b>Part # A-LPWWASHNK</b>	<b>LiquidPro Applicator Gun (with 1" FHT x 3/4" MHT Adaptor) with RainPro Nozzle</b>	
<b>Part # A-LPWWASHNK-E</b>	<b>LiquidPro Applicator Gun (with 3/4" quick connect adaptor) with RainPro Nozzle</b>	
Part # A-LPWAB-6	6-Pack of 32 oz. Polybottles and Carrier	

### RainPro™ Nozzle



Now available on PelletPro and LiquidPro Applicator Guns!

# Flo-Pro™ Inline

## IN-LINE APPLICATOR FOR LIQUID WETTING AGENT

The lightweight portable solution to apply surfactant to tight hydrophobic soils. Also, ideal for liquid or soluble fertilizers and soil amendments. Easy connection to water source (quick coupler, HoseTap, etc). Just attach your favorite nozzle like the Precision Cloudburst or RainPro and your ready to go.

### features

- Larger 1 gallon tank
- Made of high impact PVC
- Adjustable feed rate
- Can also apply fertilizers and soil amendments



### ordering

Part # IHB-1010 Inline applicator includes coupling and On/Off ball valves



# Flo-Pro™ Injection

## HI-FLO PROPORTIONAL INJECTION SYSTEM

The affordable solution for applying liquid or water soluble wetting agent, fertilizers, acids and soil amendments using your irrigation system. Designed for golf, sports fields, and large landscape commercial applications.

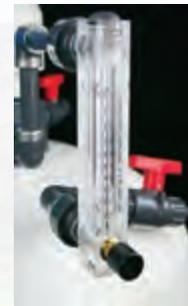
### Simple & Affordable

Size the tank needed for your application and connect into the irrigation mainline.

- No Mixing
- No Injection Limit
- No Electricity Required
- No Moving Parts

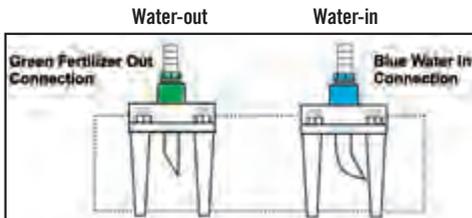
### features

- Patented, fluid-flow technology for precise delivery
- Adjustable feed rates for various mixing ratios
- Easy filling - no pre-mixing or pre-blending
- No moving parts means no down time or maintenance



### EASY OPERATION

Simply turn dial to the desired injection rate. Just pour wetting agent directly into tank and let your irrigation system do the work... saves man power! (1-20 gallons per hour adjustment)



No pipe cutting required with saddle connection

## FOR MORE DETAILS!

Visit the Underhill website: [www.underhill.us](http://www.underhill.us)  
For more details specific to inclusions of fitting kits

### ordering

- Part # IHF-010 10 Gallon Hi-Flo Horizontal Tank System
- Part # IHF-017 17 Gallon Hi-Flo Horizontal Tank System
- Part # IHF-025 25 Gallon Hi-Flo Horizontal Tank System
- Part # IHF-045 45 Gallon Hi-Flo Vertical Tank System
- Part # IHF-086 86 Gallon Hi-Flo Vertical Tank System
- Part # HFC-200 2" HI-FLO Coupling Connection with Ball Valve
- Part # HFC-250 2 1/2" HI-FLO Coupling Connection with Ball Valve
- Part # HFC-300 3" HI-FLO Coupling Connection with Ball Valve
- Part # HFC-400 4" HI-FLO Coupling Connection with Ball Valve

- Part # K-SVF-2 Saddle Venturi Fitting Kit - for 2" Mainlines
- Part # K-SVF-3 Saddle Venturi Fitting Kit - for 3" Mainlines
- Part # K-SVF-4 Saddle Venturi Fitting Kit - for 4" Mainlines
- Part # K-SVF-6 Saddle Venturi Fitting Kit - for 6" Mainlines
- Part # K-SVF-8 Saddle Venturi Fitting Kit - for 8" Mainlines
- Part # K-SVF-10 Saddle Venturi Fitting Kit - for 10" Mainlines
- Part # K-SVF-12 Saddle Venturi Fitting Kit - for 12" Mainlines
- Part # K-SVF-16 Saddle Venturi Fitting Kit - for 16" Mainlines

# GRUND GUIDE by Underhill® Marking Systems



**SPEED AND QUALITY OF PLAY... GOLF AS IT SHOULD BE.**

You know Grund Guide for making premier yardage marking solutions. Now backed with the strength of Underhill® distribution and product development, you can have the highest quality and most complete yardage marking systems available today and into the future.

## Sprinkler Head Yardage Markers

### ENGRAVED CAPS



**MODEL SPM 106 - TORO ENGRAVED CAPS:**  
Perfect-fit caps engraved and color filled for high visibility. Multiple number locations vary for lids with holes



**FITS:**

**Toro** 730, 750, 760, 780, 830/850S, 834S, 835S, DT34/35S, 854S, DT54/55, 860S, 880S, INF & FLEX series

**COLORS:**

*Caps* ●/○/●/●  
*Numbers* ○/●/●/●/●/●/●



**MODEL SPM 107 - RAIN BIRD ENGRAVED CAPS:**  
Perfect fit caps engraved and color filled for high visibility number identification



**FITS:**

**Rain Bird** E900, E950, E700, E750, E500, E550, 700, 751, 51DR

**COLORS:**

*Caps* ●/○/●/●  
*Numbers* ○/●/●/●/●/●/●



**MODEL SPM 110 - HUNTER ENGRAVED CAPS/COVERS:**  
Perfect-fit flange covers (G800, G900) and caps (G90), engraved and color filled for high visibility.



**FITS:**

**Hunter** G800, G900, G90

**COLORS:**

*Flange cover/caps* ●  
*Numbers* ○/●/●/●/●/●/●

**ALSO AVAILABLE: BLANK REPLACEMENT CAPS FOR TORO, RAIN BIRD, HUNTER!**

Tired of paying too much for OEM caps? Now ALL caps are available without yardage markings, just use **Model #** and **OEM Series** for ordering!

### METAL ENGRAVED DISCS



**MODEL SPM 101 - FIT OVER DISCS:**  
Anodized aluminum (no paint!), these markers are engraved and custom fit to each sprinkler. Multiple number locations vary for lids with holes.



**FITS:**

**Toro** 630, 650, 660, 670, 680, 690, 830/850S, 834S, 835S, DT 34/35, 854S, 855S, DT 54/55, 860S, 880S, INF & FLEX series  
**Rain Bird** 47/51 DR, 71/91/95, E900, E950, E700, E750, E500, E550, 1100, **Hunter** G-70/75, G-90/95, G-990, G-995, **John Deere/Signature** – Call

**COLORS:**

*Discs* ●/●/●  
*Numbers* ●

## SNAP-IN MARKERS



### MODEL SPM 103 INFINITY - TORO SNAP-IN MARKERS:

**OEM UPGRADE** to high quality polycarbonate custom fit. One complete, high-visibility marker snaps into OEM plug.



**FITS: ALL INFINITY SERIES**

**COLORS:**

Caps ●/○/●/●

Numbers ○/●/●/●/●/●/●

**INFINITY SERIES**



### MODEL SPM 103 - TORO SNAP-IN MARKERS:

**OEM UPGRADE** to high quality polycarbonate custom fit. One complete, high-visibility marker snaps into OEM plug.



**FITS: Toro 730, 750, 760, 780, 830/850S, 834S, DT 34/35, 854S, DT 54/55, 860S, 880S**

**COLORS: Snap in** ○/●/●

Numbers ○/●

(Reclaimed water - ● no number - available)

## UNIVERSAL METAL ENGRAVED DISCS



### MODEL SPM 105 - FITS MOST HEADS & COLLARS:

Anodized aluminum (no paint!), these markers are engraved and designed for most universal fit applications. Tags are installed using 1/8" rivets.



**FITS:**

Option Universal Crescent 2-7/8"W x 1"H

Round Edge 3"W x 1"H

Square Edge 2"W x 3/4"H

**COLORS: Tags** ●/●/●

Numbers ●

## BOND-IN MARKERS



### Model SPM 108 - TORO & Hunter:

Special engraved plastic material designed to fit into OEM lid recess

**FITS: Toro 730, 750, 760, 780, 834S, DT 34/35, 854S, DT 54/55, 860S, 880S and Hunter G800, G70/75B, G870, G875, G880, G885, G990, G995**

**COLORS: Markers** - ○/●, Numbers - ●



### Model SPM 104 - Lid/Molded Recess Markers:

Durable replacement lid, with reverse engraved number insert process. Excellent number ID with this model

**FITS: Rain Bird 47, 51**

**COLORS: Lid** - ●/○/●

Insert - ○/●/●

Numbers - ○/●

## ordering example

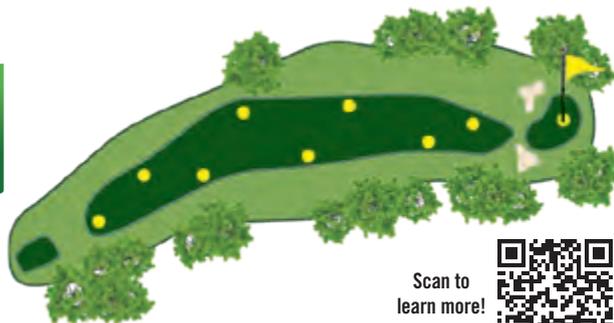
View/download complete ordering guide at [www.underhill.us](http://www.underhill.us)

Marker Model	Sprinkler Mfg	Series	Marker Color	# Color	Qty. of #s on Marker	Total QM on Order
SPM-106	Toro	730	Black	Yellow	1	76

## SPECIAL SERVICES

**WE OFFER TURN-KEY SOLUTIONS!**

Call for detail and quotes!



Scan to learn more!



## MAINTENANCE

- Full Course "Walk-Thru", check all current sprinklers, create list of marker repairs.

### ordering

SPM-MAINT-09	9 Hole Course
SPM-MAINT-18	18 Hole Course

## MEASUREMENT

- LASER Pin point measurement to center of greens

### ordering

SPM-MEAS-09	9 Hole Course
SPM-MEAS-18	18 Hole Course

## INSTALLATION

- Yardage Marker Installation by Underhill Field Rep, Golf course staff.

### ordering

SPM-INSTALL-09	9 Hole Course
SPM-INSTALL-18	18 Hole Course

# GRUND GUIDE

## Fairway / Tee / Range Disc Markers

Large 7 1/2" cap with big bold 3 1/2" standard yardage numbers. Ideal for fairway, tee and driving range marking. Optional 8" mounting pipe attachment available for secure installation.

### FAIRWAY STANDARD DISC SYSTEM

Color-coded markers with bold 3 1/2" yardage number. Several system options available.



### FAIRWAY CUSTOM OPTIONS

Markers can be customized to display specific yardage numbers, include logos, or custom design.



### TEE BOX / DRIVING RANGE CUSTOM OPTIONS

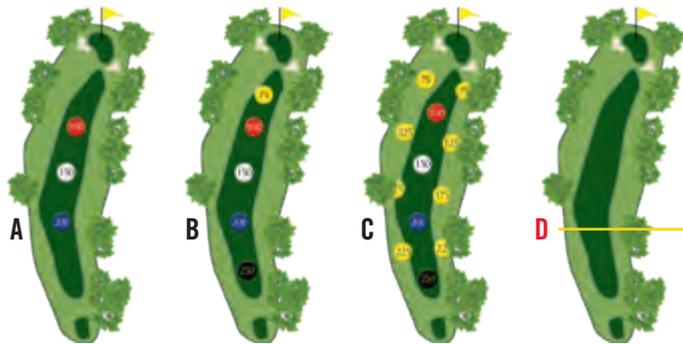
Markers can be customized to display specific multiple numbers, include logos, or custom design.



Disc Marker pictured with optional 8" mounting pipe (installs easily with standard cup cutter)

### SYSTEM EXAMPLES

- A:** 3 markers placed down the center of the fairway at 50 yard intervals
- B:** 5 markers placed down the center of the fairway for greater coverage
- C:** Markers placed on sides and center ("diamond" layout) for highest visibility
- D:** Create a custom system with your choice of color and numbers/markings



## Valve Box / Universal Markers

These engraved, anodized aluminum (no paint!) markers are ideal for isolation or control valves, satellites or other applications.



### ordering

#### Standard Disks with Markings

- FTM-Y-75      ● Yellow Disk with 75
- FTM-R-100    ● Red Disk with 100
- FTM-W-150    ○ White Disk with 150
- FTM-BL-200   ● Blue Disk with 200
- FTM-BK-250   ● Black Disk with 250
- FTM-RWB-KIT   3 Disks with Yardages (●/○/●)
- FTM-YRWBB-KIT 5 Disks with Yardages (●/●/○/●/●)

#### Custom Disks for Fairway, Tee Box and Driving Range

- FTM-Y      ● Yellow Disk no markings
- FTM-O      ● Orange Disk no markings
- FTM-R      ● Red Disk no markings
- FTM-W      ○ White Disk no markings
- FTM-BL     ● Blue Disk no markings
- FTM-BK     ● Black Disk no markings
- FTM-G      ● Green Disk no markings
- FTM-L      ● Lavender Disk no markings

#### Tee Box / Fairway / Driving Range Custom Markings

To order, add to end of custom disk part numbers above.

Example: FTM-Y-#1 (Yellow Disk with One custom number)

- XXXX-#1      One custom number to disk
- XXXX-#2      Two custom numbers to disk
- XXXX-#3      Three custom numbers to disk
- XXXX-CUST    Custom Design; Script
- XXXX-LOGO    Logo added to disk
- XXXX-#4      up to 4 flags / targets / yardages
- XXXX-#8      5 to 8 flags / targets / yardages
- XXXX-#12     9 to 12 flags / targets / yardages

#### Accessories

- FTM-PL      8" Mounting Pipe for all disks

#### Valve Box / Universal Markers

- SPM-105-B    Black anodized marker
- SPM-105-M    Maroon anodized marker

For detailed ordering information of custom markers, visit [www.underhill.us](http://www.underhill.us)

# turboTRIM™

PRO RATCHET SERIES  
Patent pending

**Golf Sprinkler Head Trimming  
Just Got Easier!**

**THE ONLY TRIMMER WITH A FORWARD &  
REVERSE DRIVE RATCHET MECHANISM**

Finally, a unique tool designed and  
engineered to help you do the job  
like you never could before



Comfortable Rubber  
Handle Grips

Super Heavy Duty  
Steel Construction &  
Powder Coated Finish

Heavy Duty  
Easy to Install  
Cutting Blade

Pro Ratchet Drive  
with Left & Right  
Direction Option



Blade Depth  
Stopper Keeps  
Wires from  
Getting Cut!



**Manual and Power Trimming Options >>**

## ordering

- |                 |   |
|-----------------|---|
| Part # TTRT-100 | Turbo Trim Tool,<br>without cutting blade |
| Part # TTRC-007 | Turbo Trim 7" cutting blade               |
| Part # TTRC-008 | Turbo Trim 8" cutting blade               |
| Part # TTRC-011 | Turbo Trim 11" cutting blade              |

Cutting Blades available in 3 sizes



# NEW! PowerTRIM™ PRO SERIES

Patent pending

Trimming Golf Sprinkler Heads,  
Fairway Yardage Markers  
& Round Valve Boxes...

**JUST GOT FASTER!**

Introducing PowerTrim Cutting  
Blades for quick and efficient  
power grass trimming



*Designed to fit most major straight shaft power trimmer brands*

- Heavy duty steel construction
- Easy to install blade
- Fast-quality trim, cost efficient blade design

## 7" Cutting Blades

<b>TURBO TRIM</b> Part # TTRC-007	<b>Toro:</b> 730, 760, 860, 830, 834S, DT 34/35, 835, 630	<b>Rain Bird:</b> 700, 751 (New Series)
<b>POWER TRIM</b> Part # PTC-007	<b>Toro:</b> 730, 760, 860, 830, 834S, DT 34/35, 835, 630	<b>Rain Bird:</b> 700, 751 (New Series)

6" Round Valve Boxes

## 8" Cutting Blades

<b>TURBO TRIM</b> Part # TTRC-008	<b>Toro:</b> 670, 750, 780, 854, 855, 880DT 54/55, 650, Infinity Series	<b>Rain Bird:</b> E700, E750, 900, E950 (Newer Series)
<b>POWER TRIM</b> Part # PTC-008	<b>Toro:</b> 670, 750, 780, 854, 855, 880DT 54/55, 650, Infinity Series	<b>Rain Bird:</b> E700, E750, 900, E950 (Newer Series)

Hunter: 800, 900 Series

## 11" Cutting Blades

<b>TURBO TRIM</b> Part # TTRC-011	<b>Toro:</b> 690	Kirby Fairway Markers, 9" & 10" Round Valve Boxes
<b>POWER TRIM</b> Part # PTC-011	<b>Toro:</b> 690	



*Each Power Trim blade includes a  
1" Arbor hole and 20mm bushing  
for ECHO brand trimmers*

Cutting Blades available in 3 sizes



### ordering

Part # PTC-007	Power Trim 7" Cutting Blade
Part # PTC-008	Power Trim 8" Cutting Blade
Part # PTC-011	Power Trim 11" Cutting Blade

Note: Power trimmer shown is not included.

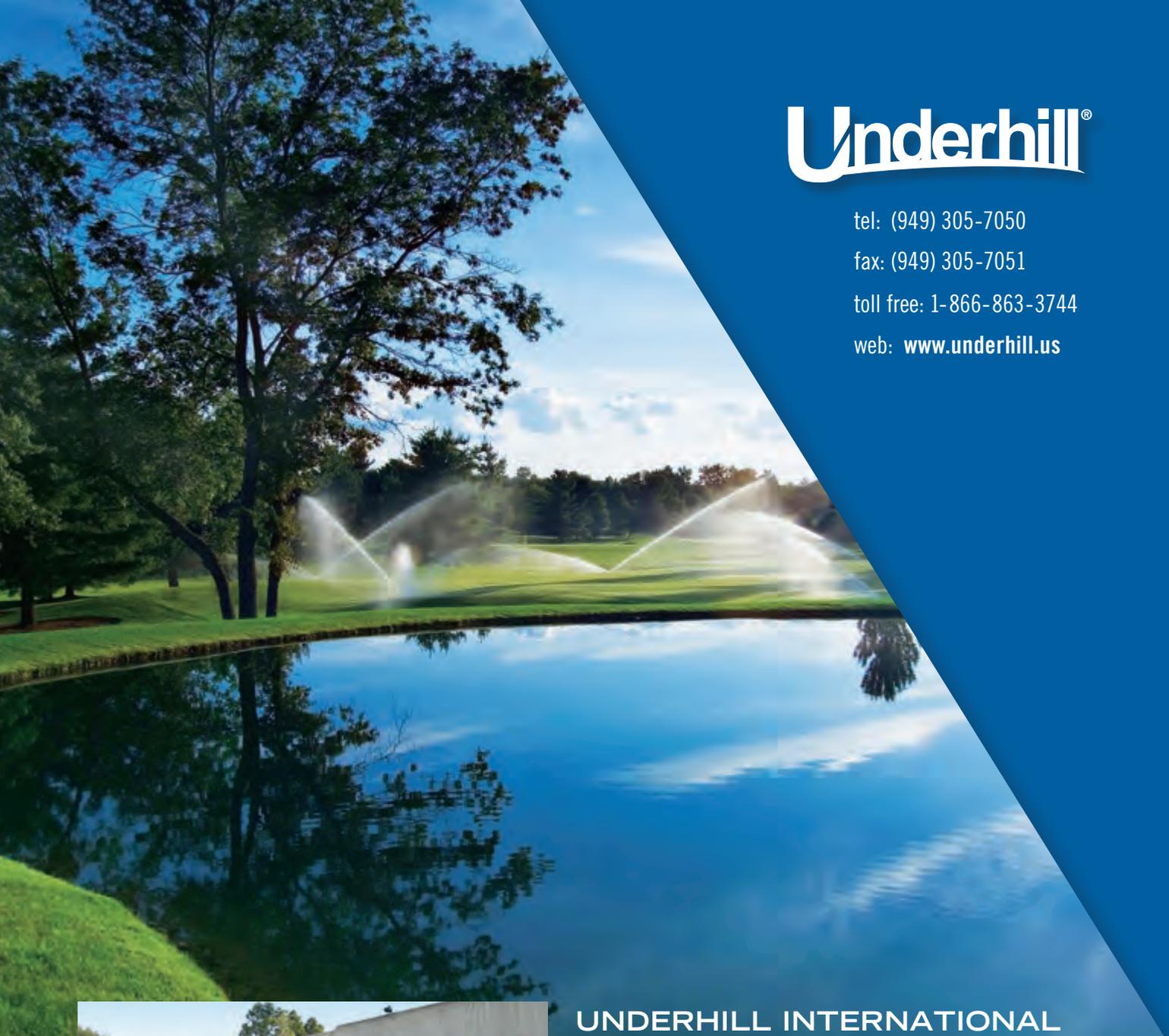
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## UNDERHILL INTERNATIONAL

An industry leader in innovative watering products all over the world, Underhill® brings 38 years of know-how in developing our inventory of **Products that work... smart.™**

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