back out. Farren gave Berry Hills his un-
divided attention as its superintendent.
He and Kathy married. But while Farren
enjoyed the job, he couldn’t get Caro-
lina and Pinehurst off his mind.
Farren and his new wife visited North
Carolina often to see her family, and Far-
ren made it a point to stop by Pinehurst
to say hello to Kocher. He also kept in
contact with him by phone.

And then in June 1985, nine months
into his stint at Berry Hills, Farren’s
phone rang. It was Kocher calling with
an offer — a great offer — the chance
for Farren to become superintendent of
Pinehurst’s renowned No. 2 course. Far-
ren didn’t have to think about taking it.
“I’m there,” he told Kocher.

He and Kathy packed up and moved
back to Pinehurst that July.

One of the first big projects Farren
and Kocher teamed on was to rebuild
the No. 2 course’s greens and convert
them from bermudagrass to bentgrass.
The two worked well together.

Kocher, who had begun traveling fre-
frequently to other ClubCorp courses, an-
nounced he was going to hire an assistant
to help him at Pinehurst. Farren expressed
interest in the position and was named
Kocher’s assistant manager of grounds and
golf course management while another su-
perintendent was hired on No. 2.

Farren, Kocher and the courses’ su-
perintendents worked on several projects,
including rebuilding greens and installing
new irrigation systems on the courses.
Pinehurst’s reputation improved im-
mensely after ClubCorp took over the re-
sort. In the coming years, Pinehurst No.
2 was awarded the 1999 U.S. Open. It
has since hosted the 2005 U.S. Open.

Continued on page 49
for your chance to WIN A LAS VEGAS VACATION FOR 2!

VISIT www.underhill.us/contest for details

And if you see anything you like in our catalog...

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For a list of local distributors in your area, contact Underhill: 866-863-3744
Test your sprinkler performance with AuditMaster™. Easy-to-use and highly accurate measuring kits.
See Page 4

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

Profile™

SOLID METAL GOLF SPRINKLER NOZZLES

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

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

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

“We’ve had Profile nozzles in for about two years now with outstanding results and excellent water savings. We’re way past break-even on ROI.”

“...consistently uniform distribution. The nozzles perform the same today as when we first installed them.”
**Profile nozzles for Toro®**

### 730 SERIES
- **Full Circle: Front/Rear Nozzle Set**
  - **Part #**
  - **Nozzle Color #** range / spreader **Toro Nozzle #s**
  - T730-3313 Brown 33 / Gray 13 33
  - T730-3413 Blue 34 / Gray 13 34
  - T730-3515 Violet 35 / Red 15 35
  - T730-3515L Green 35 / Red 15* 35 (50 psi)
  - 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 and 834S SERIES
- **Part Circle: Midrange/Close-in Nozzle Set**
  - **Part #**
  - **Nozzle Color: midrange / close-in** Toro Series
  - T830-GY Gray / Yellow 830
  - T834-GY Gray / Yellow 834S

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

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

---

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

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

### 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 and 854S SERIES
- **Midrange/Close-in Nozzle Set**
  - **Part Circle (780) and Full Circle (854S)**
  - **Part #**
  - **Nozzle Color: midrange / close-in** Toro Series
  - T780-BY Black / Yellow 780
  - T854-BY Black / Yellow 854S

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

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

---

### 800 EAGLE SERIES
- **Full Circle: Close-in Nozzle**
  - **Part #**
  - **Nozzle Color**
  - R900-M Maroon

### 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

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AuditMaster™

EXPERT SPRINKLER PERFORMANCE TESTING KITS

Poorly performing sprinklers waste a lot of water as watering times are increased to compensate. Accurately measuring sprinkler application rates with Underhill™ AuditMaster™ will maximize your customer’s water savings.

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

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

AuditMaster LT Kit excludes the CatchCanPro Mini cups, 3/4” Hose Bib and Gauge, or the Spray Head Tester w/Gauge. This kit is optimized for golf courses, sports fields and other LARGE TURF audits.

CatchCan Pro™

**features**

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

ordering

| Part # AUD-ST  | AuditMaster ST Kit       |
| Part # AUD-LT  | AuditMaster LT Kit       |
| Part # AUD-STLT | AuditMaster Combo ST/LT Kit |
| Part # SALESPO4 | AuditMaster Wheeled Carry Case |
| Part # CCPK-10 | CatchCan Pro (Blue) - 10 Pack |
| Part # CCPMK-10 | CatchCan Pro Mini - 10 Pack |
| Part # A-HBG-160K | 3/4” POC Hose Bib w/Gauge |
| Part # A-PHG-160K | Pitot Tube, 30” Flex Hose w/Gauge |
| Part # A-SHG-160K | Spray Head Tester w/Gauge |
| Part # MT-100 | Fiberglass Measuring Tape: 100’ |
| Part # A-STW | Stop Watch |
| Part # A-WIND | Anemometer (Wind Gauge) |
| Part # A-FLAG-50 | Marking Flags - 50 Pack |

NEW!

CatchCan Pro (CCPK-10) for LARGE TURF audits. Measures ml, cm, inches.

CatchCan Pro Mini (CCPMK-10) for SMALL TURF audits. Measures inches.
TurfSpy™

EARLY STRESS DETECTION GLASSES

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

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

HOW IT WORKS
Dying vegetation absorbs and reflects sunlight differently 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

HeadChecker™

NOZZLE DISCHARGE PRESSURE GAUGE

Use our liquid-filled 160 psi gauge with a solid brass Pitot tube, hose bib, or spray head adapter to measure water pressure at discharge points or in the pipeline.

ordering
Part # A-HCGPK HeadChecker™ 160 psi gauge and Pitot tube
Part # A-PG160L Pressure gauge only
Part # A-HCP Pitot tube only
Part # A-PH 30” Flex Hose For Pitot tube/gauge
Part # A-HBT 3/4” Hose Thread x 1/4” Brass Hose Bib Tap
Part # A-SHA Spray Head Adapter

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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

- Built for 1” and 3/4” flow rates
- Fire hose quality nozzle feels great in your hands
- Ultra-durable construction withstands any abuse
- Solid metal internal - no plastic parts to break or wear out
- Beautiful, consistent spray patterns for life
- Ratchet mechanism prevents over-tightening damage
- Multi-pattern sprays - effortless control with hydraulic assist on/off

specifications

Materials: stainless steel, aluminum, TPR rubber
Flow: 37 GPM at 80 psi
Inlet: 3/4” hose thread
(1” brass adapter available, see Page 7)

ordering

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

CoolPro™

COOL WITHOUT OVER WATERING - NO ROOT DAMAGE

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

features

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

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.

choose your nozzle by flow rate or specific task

<table>
<thead>
<tr>
<th>NOZZLE NAME (color)</th>
<th>GPM</th>
<th>VALVE</th>
<th>TASKS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rainbow™ (yellow)</td>
<td>15</td>
<td>CoolPro</td>
<td>Greens, tees, sensitive landscaping, transplants, seed beds</td>
</tr>
<tr>
<td>Rainmaker™ (green)</td>
<td>23</td>
<td>High-Flow</td>
<td>Syringe and spot watering turf and hardy landscaping</td>
</tr>
<tr>
<td>Cloudburst™ (blue)</td>
<td>48</td>
<td>High-Flow</td>
<td>Dry spots, high volume drenching and application of wetting agent</td>
</tr>
<tr>
<td>Cyclone™ (red)</td>
<td>50+</td>
<td>High-Flow</td>
<td>Pre-game skins watering, heavy watering of large areas</td>
</tr>
</tbody>
</table>

Note: GPM will vary with pressure at nozzle.

high-flow valves

SOLID BRASS
• 3/4” hose thread inlet/outlet
• up to 50 GPM

COMPOSITE / STAINLESS STEEL
• 3/4” hose thread inlet/outlet
• oversized handle
• up to 55 GPM

hose adapters / quick-connectors

ordering

Part # HP-K1 NozzlePro Kit
Part # HN1500 Precision™ Rainbow™ Hose Nozzle
Part # HN2300 Precision™ Rainmaker™ Hose Nozzle
Part # HN4800 Precision™ Cloudburst™ Hose Nozzle
Part # HN5000 Precision™ Cyclone™ Hose Nozzle
Add “-CV” to part numbers to include brass high-flow valve and 1” adapter (as pictured above).

Part # CV075H High-Flow 3/4” Valve - Brass
Part # A-BV77FM High-Flow 3/4” Valve - Composite/Steel
Part # A-BA107FM 1” FHT x 3/4” MHT Brass Hose Adapter
Part # A-BA107MF 1” MHT x 3/4” FHT Brass Hose Adapter
Part # A-BQ7M 3/4” Quick-Connect, male end
Part # A-BQ7F 3/4” Quick-Connect, female end
Part # HN075W replacement washer, 3/4” hose

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hose applicators

**PelletPro™**

**APPLICATOR GUN FOR SOLID WETTING AGENT TABLETS**

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

**features**

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

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

**2 products in 1!**

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

PelletPro™ rotates pellets at 1 revolution per second (RPS) to evenly dissolve/apply wetting agent

**orderings**

Part # A-PPWA50K PelletPro™ Applicator Gun
Part # A-PPB In-line Filter Bowl
Part # A-PPBG Gasket

PelletPro’s bowl, also sold individually, works perfectly as a replacement in-line filter bowl for most spray rigs. Heavy-duty, transparent plastic shows fluids. (No more cracked bowls during winter storage!)