

# SECTION 10: **GOLF IRRIGATION**

---





# WHAT'S NEW

---

## G885 Rotor

---

The G885 takes drive torque to a whole new level in golf rotors. This powerful adjustable arc and true full circle rotor is packed with performance, efficiency and every feature you expect in modern-day golf rotors.



---

## Pilot Control System

---

The all-new Pilot Central Control System is the new standard in advanced control. It puts the superintendent in complete command, and crews in the position to work faster and easier.



---

## HSJ Swing Joints

---

Upgrade your Hunter golf rotors to a 5-Year component exchange warranty with the matching purchase of HSJ Swing Joints.





# GOLF ROTORS

GOLF ROTORS

## **The next generation rotor**

The G885 includes an innovative combination of user-friendly features and benefits for the golf course superintendent.

# G885 GOLF ROTOR

## ADVANCED FEATURES

### The G885 Has Power to Spare

Boasting the highest torque output of any golf rotor on the market, the G885's patented gear drive will push through anything that gets in its way. Try it yourself and see. With just one rotation of the turret by hand, you can clearly feel this rotor's formidable durability. With such a powerful core, an array of efficient nozzles, and true full circle and part circle capabilities, the new G885 is the golf rotor you can always count on.



### Easy Arc Adjustment With or Without a Tool

With the G885, the arc is adjustable anytime; uninstalled, installed or while in operation. The convenient adjustment ring can be rotated by hand, or with the easy-to-use arc adjustment tool. This combination tool can also be used as a means to hold the riser in the popped-up position for nozzle changes.



### Dual Trajectory Flexibility

Choose from the wide assortment of efficient wind-fighting 22.5° standard trajectory nozzles, or the 15° low-angle trajectory nozzles. Either way, there is a perfect match for your unique course conditions and problem-solving needs. Regardless of the version you choose, changing nozzles is fast and easy with Hunter's exclusive QuickChange technology.



### Contour "Back-Nozzle" Capability

Whether you want a little extra green behind your adjustable arc G885 rotors or a more "modeled" look to your fairway's hard edges, Contour "Back-Nozzles" are here to make your vision a reality. They are also great for reducing water use along perimeter housing areas and other unique situations around the course. Choose from four short-range or four mid-range nozzles to suit your needs.



### Ratcheting Riser with QuickSet-360 Adjustability

Setting up your adjustable arc G885 is fast and simple. The integrated ratcheting mechanism allows a simple twist of the riser to align the right-side reversing point. Then, the adjustment ring is used to quickly set the arc and left-side reversing point. The G885 is also easily convertible to a true non-reversing full circle rotor with our exclusive QuickSet-360 feature.



### Primary Nozzle Adapter

Unique irrigation problems exist on nearly every golf course. This is especially true in tight, hard to irrigate areas. The G885 primary nozzle adapter can solve many of these problems quickly and easily by allowing you to mix and match nozzles to get the coverage needed, or to plug the primary flow completely.



### Also Available, the New G85B Block Rotor

If you're looking for a cost-effective golf rotor with a wide-range of radius and feature capabilities including a recessed area for a yardage marker, the G85B block rotor is here. It includes all the great features of the G885 rotor at a fraction of the cost.



# TTS GOLF ROTORS

## ADVANCED FEATURES

### Total-Top-Service (TTS)



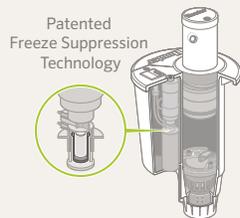
#### Access Everything Through the Top

The no-dig solution is appreciated by golfers, management, and especially the superintendent



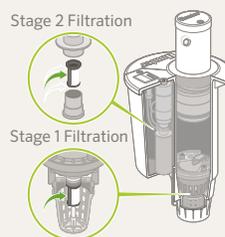
#### Large and Flexible Yardage Marker Capabilities

Recessed area for placard markers; optional raised marker for popular engraved and paint-filled markers



#### Pilot Valve Freeze Suppression Unit

Patented FST technology prevents freeze damage—another TTS exclusive



#### Two-Stage Filtration in Valve Circuitry

Anti-contamination filters in pilot valve and inlet valve protect critical valve-in-head passages



#### Unitised Inlet Valve Assembly

Easy one-step removal of rock screen, valve seat and assembly



#### Convenient Circular Flange Design

Offset riser and compartment allows quick and easy trimming around the rotor with motorised equipment



#### Upper Snap Rings with Integrated Wiper Seal

Protects rotor's riser seal from external contamination such as sand top-dressing



#### Through-the-Top Servicing of On-Off-Auto Selector

Simple and inexpensive to replace, should damage occur



### Through-the-Top Solenoid Connections

Keeps wire splices protected in valve-box conditions with easy solenoid servicing



### Stainless Steel Seat in Pilot Valve

Durable and corrosion-free, helps prevent slow leaks and weeping in the rotor



### Concealed Adjustable Pressure Regulation

Stored within the flange compartment, prevents accidental adjustments



### Proudly Manufactured in the USA

Hunter is the only leading irrigation manufacturer making golf rotors in the United States of America



Made in the USA

# DIH GOLF ROTORS

## ADVANCED FEATURES

### Decoder-In-Head (DIH)



#### Decoders Are Built Into Rotors

Perfect package to complement decoder control systems. All DIH rotors include two DBR/Y-6 splice connectors



#### State-of-the-Art Surge Suppression

Earth grounding is easily added with the Pilot SG surge protector



#### Individual Decoder and Solenoid Components Within Flange Compartment

Isolated configuration minimises maintenance costs year after year and into the future



#### Seamless No-Splice Connection Between Decoder and Solenoid

With no connectors, maintains ongoing electrical continuity and peace of mind

Made in the USA



### New Two-Station DIH Rotor Option

Perfect cost-effective solution for back-to-back heads around greens



### Decoders Are Housed in the DIH Rotor's Unique Flange Compartment

Improves playability and eliminates hundreds of unsightly decoder enclosures course-wide



### Program Decoders from the Surface with No Disassembly

Simple, fast and easy to program before or after installation



### DIH Rotors Include All the Exclusive Features and Benefits of TTS Rotors

When you can access everything through the top, you never have to touch the turf



### Access Decoders Through the Top with No Digging Required

Servicing is a breeze and there's no mess with TTS DIH rotors



### Built Strong in the United States of America

Among the top three irrigation manufacturers, Hunter is the only one making golf rotors in the USA



### Durability, Efficiency, and Reliability Housed in the Only TTS DIH Rotor in the Industry

Peace of mind from the #1 producer of gear-driven rotors in the world

# G900 SERIES

Models: **G990 & G995**

Radius: **22.3 to 31.7 m**

Flow: **6.7 to 19.04 m<sup>3</sup>/hr; 111.7 to 317.2 l/min**

## FEATURES

- Models:
  - G990 - Full circle
  - G995 - Adjustable arc (40° - 360°)
- QuickCheck arc mechanism
- Dual trajectory nozzle choices:
  - 8 standard trajectory (22.5°)
  - 8 low angle trajectory (15°)
- Nozzle range: #25 to #73
- Exclusive PressurePort™ nozzle technology
- Contour “Back-Nozzle” capabilities
- Water lubricated gear-drive
  - ▶ All TTS advanced features
  - ▶ Decoder-In-Head (DIH) capable

## OPERATING SPECIFICATIONS

- G990
  - Radius: 22.3 to 31.4 m
  - Flow: 6.93 to 18.92 m<sup>3</sup>/hr; 115.5 to 315.3 l/min
  - Pressure range: 5.5 to 8.3 bar; 551 to 827 kPa
- G995
  - Radius: 22.9 to 31.7 m
  - Flow: 6.7 to 19.04 m<sup>3</sup>/hr; 111.7 to 317.2 l/min
  - Pressure range: 5.5 to 8.3 bar; 550 to 830 kPa
- All TTS rotors are pressure rated at 10 bar; 1,000 kPa

## OPTIONS

- C - Check-O-Matic checks up to 8 m in elevation change and readily converts to Normally Open Hydraulic with through the top connections
- D - Decoder Valve-In-Head with all “E” specifications below
- DD - Two-station Decoder Valve-In-Head with all “E” specifications below
- E - Electric Valve-In-Head with adjustable pressure regulation, on-off-auto selector, 210mA (370mA inrush) solenoid with captive plunger and internal downstream bleed

▶ = TTS and DIH Advanced Features detailed on pages 141 and 143



**G990C**

Pop-up height: 8 cm  
Overall height: 34 cm  
Flange diameter: 19 cm  
Female Inlet: 1½" ACME



**G995E**

Pop-up height: 8 cm  
Overall height: 34 cm  
Flange diameter: 19 cm  
Female Inlet: 1½" ACME

### G990 & G995 - SPECIFICATION BUILDER: ORDER 1 + 2 + 3 + 4 + 5

1 Model	2 Valve Options	3 Nozzle	4 Regulation*	5 Options
<b>G990</b> = Full Circle	<b>C</b> = Check-O-Matic* <b>D</b> = Decoder Valve-In-Head <b>DD</b> = Two-station Decoder Valve-In-Head <b>E</b> = Electric Valve-In-Head	<b>25 to 73</b> = Installed G990 Nozzle*	<b>P8</b> = 80 PSI (nozzles 25 to 53) <b>P1</b> = 100 PSI (nozzles 53 to 73) <b>P2</b> = 120 PSI (nozzle 73)	<b>S</b> = SSU*
<b>G995</b> = Adjustable Arc 40° - 360°	<b>C</b> = Check-O-Matic* <b>D</b> = Decoder Valve-In-Head <b>DD</b> = Two-station Decoder Valve-In-Head <b>E</b> = Electric Valve-In-Head * Converts to N.O. Hydraulic Valve-In-Head	<b>25 to 73</b> = Installed G995 Nozzle* * SSU = #25 or #53	<b>P8</b> = 80 PSI (nozzles 25 to 53) <b>P1</b> = 100 PSI (nozzles 53 to 73) <b>P2</b> = 120 PSI (nozzle 73) * SSU = P8/#25 P8/#53	<b>S</b> = SSU* * Standard Stocking Unit

**Example:**

G990 - E - 53 - P8 - S = G990 full circle electric valve-in-head, installed #53 nozzle, 80 PSI regulation, standard stocking unit model

G990 NOZZLE PERFORMANCE DATA*							
Nozzle	Pressure		Radius**	Flow		Precip mm/hr	
	bar	kPa		m <sup>3</sup> /hr	l/min	■	▲
<b>25</b> ● Lt. Blue	5.5	551	22.3	6.93	115.2	14.0	16.2
	6.2	620	22.9	7.36	122.6	14.1	16.3
	6.9	689	23.2	7.79	129.8	14.5	16.8
	7.6	758	23.8	8.29	138.2	14.7	16.9
	8.3	827	24.1	8.72	145.4	15.0	17.4
<b>33</b> ● Grey	5.5	551	23.5	8.25	137.4	15.0	17.3
	6.2	620	23.8	8.72	145.4	15.4	17.8
	6.9	689	24.4	9.22	153.7	15.5	17.9
	7.6	758	24.7	9.70	161.6	15.9	18.4
	8.3	827	25.0	10.20	170.0	16.3	18.9
<b>38</b> ● Red	5.5	551	24.4	9.22	153.7	15.5	17.9
	6.2	620	25.0	9.75	162.4	15.6	18.0
	6.9	689	25.3	10.29	171.4	16.1	18.6
	7.6	758	25.9	10.84	180.6	16.1	18.6
	8.3	827	26.2	11.40	190.0	16.6	19.2
<b>43</b> ● Dk. Brown	5.5	551	25.3	10.49	174.9	16.4	18.9
	6.2	620	25.6	11.04	184.0	16.8	19.4
	6.9	689	25.9	11.56	192.7	17.2	19.9
	7.6	758	26.2	12.13	202.1	17.7	20.4
	8.3	827	26.5	12.70	211.6	18.1	20.8
<b>48</b> ● Dk. Green	5.5	551	26.2	11.27	187.8	16.4	18.9
	6.2	620	27.1	11.93	198.7	16.2	18.7
	6.9	689	27.4	12.45	207.4	16.5	19.1
	7.6	758	27.7	13.02	216.9	16.9	19.5
	8.3	827	28.0	13.52	225.2	17.2	19.8
<b>53</b> ● Dk. Blue	5.5	551	27.1	12.31	205.2	16.7	19.3
	6.2	620	27.4	12.88	214.6	17.1	19.8
	6.9	689	28.0	13.45	224.1	17.1	19.7
	7.6	758	28.3	14.02	233.6	17.4	20.1
	8.3	827	28.7	14.58	243.0	17.8	20.5
<b>63</b> ● Black	5.5	551	28.0	14.36	239.2	18.3	21.1
	6.2	620	28.7	14.97	249.5	18.2	21.1
	6.9	689	29.3	15.76	265.7	18.4	21.3
	7.6	758	29.6	16.36	272.5	18.7	21.6
	8.3	827	29.9	17.01	283.5	19.1	22.0
<b>73</b> ● Orange	5.5	551	29.3	16.38	272.9	19.1	22.1
	6.2	620	29.9	17.04	283.9	19.1	22.0
	6.9	689	30.2	17.67	297.5	19.4	22.4
	7.6	758	31.1	18.29	304.7	18.9	21.8
	8.3	827	31.4	18.92	315.3	19.2	22.2

G995 NOZZLE PERFORMANCE DATA*							
Nozzle	Pressure		Radius**	Flow		Precip mm/hr	
	Bar	kPa		m <sup>3</sup> /hr	l/min	■	▲
<b>25</b> ● Lt. Blue	5.5	551	22.9	6.70	111.7	12.8	14.8
	6.2	620	23.2	7.16	119.2	13.3	15.4
	6.9	689	23.5	7.54	125.7	13.7	15.8
	7.6	758	23.8	8.09	134.8	14.3	16.5
	8.3	827	24.1	8.52	142.0	14.7	17.0
<b>33</b> ● Grey	5.5	551	23.5	8.22	137.0	14.9	17.2
	6.2	620	23.8	8.68	144.6	15.4	17.7
	6.9	689	24.1	9.18	152.9	15.8	18.3
	7.6	758	27.4	9.68	161.3	15.9	18.3
	8.3	827	25.0	10.18	169.6	16.3	18.8
<b>38</b> ● Red	5.5	551	24.4	9.22	153.7	15.5	17.9
	6.2	620	25.0	9.77	162.8	15.6	18.1
	6.9	689	25.6	10.31	171.9	15.7	18.2
	7.6	758	25.9	10.81	180.2	16.1	18.6
	8.3	827	26.2	11.36	189.3	16.5	19.1
<b>43</b> ● Dk. Brown	5.5	551	25.6	10.47	174.5	16.0	18.4
	6.2	620	25.9	11.02	183.6	16.4	19.0
	6.9	689	25.9	11.52	191.9	17.2	19.8
	7.6	758	26.2	12.13	202.1	17.7	20.4
	8.3	827	26.5	12.65	210.8	18.0	20.8
<b>48</b> ● Dk. Green	5.5	551	26.8	11.40	190.0	15.8	18.3
	6.2	620	27.1	11.95	199.1	16.2	18.7
	6.9	689	27.4	12.52	208.6	16.6	19.2
	7.6	758	28.0	13.06	217.7	16.6	19.2
	8.3	827	28.0	13.74	229.0	17.5	20.2
<b>53</b> ● Dk. Blue	5.5	551	27.7	12.47	207.8	16.2	18.7
	6.2	620	27.7	12.99	216.5	16.9	19.5
	6.9	689	28.0	13.52	225.2	17.2	19.8
	7.6	758	28.3	14.11	235.1	17.6	20.3
	8.3	827	28.0	14.63	243.8	18.6	21.5
<b>63</b> ● Black	5.5	551	28.3	14.15	235.8	17.6	20.3
	6.2	620	28.7	14.88	247.9	18.1	20.9
	6.9	689	29.0	15.67	261.2	18.7	21.6
	7.6	758	29.3	16.33	272.2	19.1	22.0
	8.3	827	29.9	16.97	282.8	19.0	22.0
<b>73</b> ● Orange	5.5	551	29.3	16.51	275.2	19.3	22.3
	6.2	620	29.9	17.13	285.4	19.2	22.2
	6.9	689	30.5	17.74	295.6	19.1	22.0
	7.6	758	31.1	18.38	306.2	19.0	22.0
	8.3	827	31.7	19.04	317.2	18.9	21.9

G900 NOZZLES



G990 & G995

G900 LOW-ANGLE NOZZLES



G990 & G995\*\*

\*\* Low-angle nozzles reduce radius by 15%

\* Complies to ASAE standard. All precipitation rates calculated for 360° operation. All triangular rates are equilateral.



Contour “Back-Nozzle” Capabilities

Choose any nozzle from the PGP, I-40, and G70 nozzle racks, or from the short and mid-range G900 nozzles.

# G800 SERIES

Model: **G880**

Radius: **20.4 to 26.8 m**

Flow: **5.11 to 13.15 m<sup>3</sup>/hr; 85.2 to 219.2 l/min**

## FEATURES

- Model: G880 – Full circle
- Nozzle choices: 6 standard trajectory (25°)
- Nozzle range: #25 to #53
- Exclusive PressurePort™ nozzle technology
- Water lubricated gear-drive
- ▶ All TTS advanced features
- ▶ Decoder-In-Head (DIH) capable

## OPERATING SPECIFICATIONS

- Radius: 20.4 to 26.8 m
- Flow: 5.11 to 13.15 m<sup>3</sup>/hr; 85.2 to 219.2 l/min
- Pressure range: 4.5 to 6.9 bar; 450 to 690 kPa
- All TTS rotors are pressure rated at 10 bar; 1,000 kPa

## OPTIONS

- C – Check-O-Matic checks up to 8 m in elevation change and readily converts to Normally Open Hydraulic with through the top connections
- D – Decoder Valve-In-Head with all “E” specifications below
- DD – Two-station Decoder Valve-In-Head with all “E” specifications below
- E – Electric Valve-In-Head with adjustable pressure regulation, on-off-auto selector, 210mA (370mA inrush) solenoid with captive plunger and internal downstream bleed

▶ = TTS and DIH Advanced Features detailed on pages 141 and 143



### G880C

Pop-up height: 8 cm  
Overall height: 30 cm  
Flange diameter: 18 cm  
Female Inlet: 1½" ACME



### G880E

Pop-up height: 8 cm  
Overall height: 30 cm  
Flange diameter: 18 cm  
Female Inlet: 1½" ACME

## G880 – SPECIFICATION BUILDER: ORDER 1 + 2 + 3 + 4 + 5

1 Model	2 Valve Options	3 Nozzle	4 Regulation*	5 Options
<b>G880</b> = Full Circle	<b>C</b> = Check-O-Matic* <b>D</b> = Decoder Valve-In-Head <b>DD</b> = Two-station Decoder Valve-In-Head <b>E</b> = Electric Valve-In-Head  * Converts to N.O. Hydraulic Valve-In-Head	<b>25 to 53</b> = Installed G880 Nozzle*  * SSU = #25 or #48	<b>P6</b> = 65 PSI (nozzle 25 only) <b>P8</b> = 80 PSI (nozzles 25 to 53)  * SSU = P6/#25 P8/#25 P8/#48	<b>S</b> = SSU*  * Standard Stocking Unit

### Example:

**G880 - E - 48 - P8 - S** = G880 full circle electric valve-in-head, installed #48 nozzle, 80 PSI regulation, standard stocking unit model

**G880 NOZZLE PERFORMANCE DATA\***

Nozzle	Pressure		Radius m	Flow		Precip mm/hr	
	Bar	kPa		m <sup>3</sup> /hr	l/min	■	▲
<b>25</b> ● Lt. Blue	4.5	450	20.4	5.11	85.2	12.3	14.1
	4.8	482	21.0	5.43	90.5	12.3	14.2
	5.5	551	21.6	5.91	98.4	12.6	14.6
	6.2	620	21.9	6.34	105.6	13.2	15.2
	6.9	689	22.3	6.77	112.8	13.7	15.8
<b>33</b> ● Grey	4.5	450	22.3	7.04	117.3	14.2	16.4
	4.8	482	22.6	7.31	121.9	14.4	16.6
	5.5	551	23.2	7.88	131.4	14.7	17.0
	6.2	620	23.5	8.40	140.1	15.3	17.6
	6.9	689	23.8	8.81	146.9	15.6	18.0
<b>38</b> ● Red	4.5	450	23.2	7.97	132.9	14.9	17.2
	4.8	482	23.5	8.25	137.4	15.0	17.3
	5.5	551	24.1	8.75	145.7	15.1	17.4
	6.2	620	24.4	9.20	153.3	15.5	17.9
	6.9	689	24.7	9.75	162.4	16.0	18.5
<b>43</b> ● Dk. Brown	4.5	450	23.8	8.90	148.4	15.8	18.2
	4.8	482	24.1	9.27	154.4	16.0	18.5
	5.5	551	25.0	9.93	165.4	15.9	18.3
	6.2	620	25.3	10.56	176.0	16.5	19.1
	6.9	689	26.5	11.09	184.7	16.9	19.5
<b>48</b> ● Dk. Green	4.5	450	25.0	9.95	165.8	15.9	18.4
	4.8	482	25.3	10.52	175.3	16.4	19.0
	5.5	551	25.9	11.13	185.5	16.6	19.1
	6.2	620	26.2	11.79	196.5	17.2	19.8
	6.9	689	26.5	12.36	205.9	17.6	20.3
<b>53</b> ● Dk. Blue	4.5	450	25.3	10.65	177.5	16.6	19.2
	4.8	482	25.6	11.15	185.9	17.0	19.6
	5.5	551	26.5	11.95	199.1	17.0	19.6
	6.2	620	26.8	12.45	207.4	17.3	20.0
	6.9	689	26.8	13.15	219.2	18.3	21.1

**G880 NOZZLES**



\* Complies to ASAE standard. All precipitation rates calculated for 360° operation. All triangular rates are equilateral.



**TTS EQUALS CONVENIENCE AND VERSATILITY**

*With TTS, every serviceable component of the rotor can be easily accessed anytime with no servicing mess whatsoever.*

# G800 SERIES

Model: **G885**

Radius: **13.1 to 27.7 m**

Flow: **1.86 to 13.06 m<sup>3</sup>/hr; 31.0 to 217.7 l/min**

## FEATURES

- Model: G885 – True full circle/adjustable part circle (60° to 360°)
- QuickCheck arc mechanism
- QuickSet-360 arc mechanism
- Dual trajectory colour-coded nozzles:
  - 12 standard trajectory (22.5°)
  - 9 low-angle trajectory (15°)
- Nozzle range: #10 to #53
- Exclusive PressurePort™ nozzle technology
- Contour “Back-Nozzle” capabilities
- Ratcheting stainless steel riser
- Water lubricated gear-drive
- ▶ All TTS advanced features
- ▶ Decoder-In-Head (DIH) capable

## OPERATING SPECIFICATIONS

- Radius: 13.1 to 27.7 m
- Flow: 1.86 to 13.06 m<sup>3</sup>/hr; 31.0 to 217.7 l/min
- Pressure range: 3.4 to 6.9 bar; 340 to 690 kPa
- All TTS rotors are pressure rated at 10 bar; 1,000 kPa

## OPTIONS

- C – Check-O-Matic checks up to 8 m in elevation change and readily converts to Normally Open Hydraulic with through the top connections
- D – Decoder Valve-In-Head with all “E” specifications below
- DD – Two-station Decoder Valve-In-Head with all “E” specifications below
- E – Electric Valve-In-Head with adjustable pressure regulation, on-off-auto selector, 210mA (370mA inrush) solenoid with captive plunger and internal downstream bleed

▶ = TTS and DIH Advanced Features detailed on pages 141 and 143



**G885C**

Pop-up height: 9.5 cm  
Overall height: 30 cm  
Flange diameter: 18 cm  
Female Inlet: 1½" ACME



**G885E**

Pop-up height: 9.5 cm  
Overall height: 30 cm  
Flange diameter: 18 cm  
Female Inlet: 1½" ACME

### G885 – SPECIFICATION BUILDER: ORDER 1 + 2 + 3 + 4 + 5

1 Model	2 Valve Options	3 Nozzle	4 Regulation*	5 Options
<b>G885</b> = Full/Part Circle 60°-360° Arc Range	<b>C</b> = Check-O-Matic* <b>D</b> = Decoder Valve-In-Head <b>DD</b> = Two-station Decoder Valve-In-Head <b>E</b> = Electric Valve-In-Head  * Converts to N.O. Hydraulic Valve-In-Head	<b>10 to 53</b> = Installed G885 Nozzle*  * SSU = #18, #23, #25 or #48	<b>P5</b> = 50 PSI (nozzles 10 to 18) <b>P6</b> = 65 PSI (nozzles 18 to 25) <b>P8</b> = 80 PSI (nozzles 25 to 53)  * SSU = P5/#18, P6/#23 P8/#25, P8/#48	<b>S</b> = SSU*  * Standard Stocking Unit

**Example:**  
G885 - E - 48 - P8 - S = G885 full/part circle electric valve-in-head, installed #48 nozzle, 80 PSI regulation, standard stocking unit model

**G885 NOZZLE PERFORMANCE DATA\***

Nozzle Set			Pressure		Radius	Flow		Precip mm/hr	
			bar	kPa	m	m <sup>3</sup> /hr	l/min	■	▲
Orange	10	Dk. Green	3.4	344	13.1	1.86	31.0	10.8	12.5
●		●	4.1	413	13.4	2.23	37.1	12.4	14.3
803603		315312	4.5	450	13.7	2.29	38.2	12.2	14.1
Orange	13	White	3.4	344	14.6	2.66	44.3	12.4	14.3
●		●	4.1	413	15.2	2.91	48.5	12.5	14.5
803603		315314	4.5	450	15.5	3.04	50.7	12.6	14.5
Orange	15	White	3.4	344	15.9	3.02	50.3	12.0	13.9
●		●	4.1	413	16.2	3.34	55.6	12.8	14.8
803603		315314	4.5	450	16.5	3.45	57.5	12.7	14.7
Orange	18	Lt. Green	3.4	344	16.8	3.79	63.2	13.5	15.6
●		●	4.1	413	17.4	4.04	67.4	13.4	15.5
803603		315313	4.5	450	17.7	4.13	68.9	13.2	15.3
Orange	20	Lt. Green	3.4	344	17.7	4.18	69.7	13.4	15.4
●		●	4.1	413	18.3	4.45	74.2	13.3	15.4
803603		315313	4.5	450	18.6	4.66	77.6	13.5	15.6
Orange	23	Lt. Green	3.4	344	18.6	4.78	79.6	13.8	16.0
●		●	4.1	413	19.2	5.18	86.3	14.0	16.2
803603		315313	4.5	450	19.8	5.43	90.5	13.8	16.0
Red	25	Green	4.5	450	21.0	6.68	111.3	15.1	17.4
●		●	4.8	482	21.3	6.92	115.3	15.2	17.6
803602		315310	5.5	551	21.6	7.37	122.8	15.7	18.2
Red	33	Green	6.2	620	21.9	7.77	129.5	16.1	18.6
●		●	6.9	689	22.3	8.25	137.4	16.7	19.2
803602		315310	5.5	551	22.3	7.83	130.4	15.8	18.3
Red	38	Green	6.2	620	22.6	8.34	138.9	16.4	18.9
●		●	6.9	689	23.2	8.75	145.7	16.3	18.8
803602		315310	5.5	551	24.1	8.94	149.0	15.4	17.8
Red	43	Green	6.2	620	24.1	9.36	156.0	16.1	18.6
●		●	6.9	689	24.4	9.75	162.4	16.4	18.9
803602		315310	5.5	551	24.4	9.88	164.7	16.6	19.2
Dk. Red	48	Dk. Green	6.2	620	24.7	10.54	175.6	17.3	20.0
●		●	6.9	689	25.3	11.06	184.3	17.3	20.0
803601		315312	5.5	551	25.9	11.20	186.6	16.7	19.3
Dk. Red	53	Dk. Green	6.2	620	26.2	11.86	197.6	17.3	19.9
●		●	6.9	689	26.8	12.43	207.1	17.3	19.9
803601		315312	5.5	551	27.1	11.98	199.7	16.3	18.8
Dk. Red	53	Dk. Green	6.2	620	27.4	12.54	209.0	16.7	19.2
●		●	6.9	689	27.7	13.06	217.7	17.0	19.6
803601		315312	5.5	551	27.1	11.98	199.7	16.3	18.8

● = Nozzle plug P/N 315300 installed in the back side of the nozzle housing.

\* Preliminary performance data.

**G885 STANDARD NOZZLES**

**G885 LOW-ANGLE NOZZLES\*\***



\*\* Low-angle nozzles reduce radius by 15%



**Contour "Back-Nozzle" Capabilities**

Whether you want a little extra green behind your adjustable-arc G885 rotors or a more "modeled" look to your fairway's hard edges, Contour "Back-Nozzles" are here to make your vision a reality. Choose from four short-range or four mid-range nozzles to suit your needs.

**CONTOUR BACK-NOZZLE PERFORMANCE DATA**

P/N	Colour	Profile	4.5 Bar		5.5 Bar	
			Metres	L/M	Metres	L/M
803604	Peach		7.6	12.9	8.2	14.8
803603	Orange		8.5	14.4	8.8	15.9
803602	Red		9.4	15.9	10.1	17.0
803601	Dk. Red		10.4	17.4	11.0	18.5
315314	White		11.3	10.6	11.6	11.0
315313	Lt. Green		12.8	16.3	13.4	17.8
315310	Green		14.0	19.7	14.6	21.6
315312	Dk. Green		14.9	29.9	15.5	33.3

**G885 CONTOUR BACK-NOZZLES**



**QuickSet-360 with Ratcheting Riser**

Setting up your adjustable arc G885 is fast and simple. The integrated ratcheting mechanism allows a simple twist of the riser to align the right-side reversing point. The G885 is also easily convertible to a true non-reversing full circle rotor with our exclusive QuickSet-360 feature.

# G800 SERIES

Model: **G835**

Radius: **5.5 to 15.2 m**

Flow: **0.43 to 2.91 m<sup>3</sup>/hr; 7.2 to 48.5 l/min**

## FEATURES

- Model:
  - G835: Full/Part circle (50° to 360°)
- QuickCheck arc mechanism
- QuickSet-360 arc mechanism
- Nozzle choices: 8 multi-trajectory (15° to 25°)
- Nozzle range: #2 to #12
- Water lubricated gear-drive
- ▶ All TTS advanced features
- ▶ Decoder-In-Head (DIH) capable

## OPERATING SPECIFICATIONS

- Radius: 5.5 to 15.2 m
- Flow: 0.43 to 2.91 m<sup>3</sup>/hr; 7.2 to 48.5 l/min
- Pressure range: 2.8 to 4.5 bar; 280 to 450 kPa
- All TTS rotors are pressure rated at 10 bar; 1,000 kPa

## OPTIONS

- C - Check-O-Matic checks up to 8 m in elevation change and readily converts to Normally Open Hydraulic with through the top connections
- D - Decoder Valve-In-Head with all "E" specifications below
- DD - Two-station Decoder Valve-In-Head with all "E" specifications below
- E - Electric Valve-In-Head with adjustable pressure regulation, on-off-auto selector, 210mA (370mA inrush) solenoid with captive plunger and internal downstream bleed

▶ = TTS and DIH Advanced Features detailed on pages 141 and 143



### G835C

Pop-up height: 8 cm  
Overall height: 30 cm  
Flange diameter: 18 cm  
Female Inlet: 1½" ACME



### G835E

Pop-up height: 8 cm  
Overall height: 30 cm  
Flange diameter: 18 cm  
Female Inlet: 1½" ACME

### G835 - SPECIFICATION BUILDER: ORDER 1 + 2 + 3 + 4 + 5

1 Model	2 Valve Options	3 Nozzle	4 Regulation*	5 Options
<b>G835</b> = Full/Part Circle 50° - 360°	<b>C</b> = Check-O-Matic* <b>D</b> = Decoder Valve-In-Head <b>DD</b> = Two-station Decoder Valve-In-Head <b>E</b> = Electric Valve-In-Head * Converts to N.O. Hydraulic Valve-In-Head	<b>6</b> = Installed G835 Nozzle*  * Available in SSU models only SSU = #6 Includes 8-nozzle rack	<b>P5</b> = 50 PSI (nozzles 2 to 12) <b>P6</b> = 65 PSI (nozzles 10 to 12)  * SSU = P5/#6	<b>S</b> = SSU*  * Standard Stocking Unit

**Example:**

**G835 - E - 6 - P5 - S** = G835 full/part circle electric valve-in-head, installed #6 nozzle, 50 PSI regulation, standard stocking unit model

**G835 NOZZLE PERFORMANCE DATA\***

Nozzle	Pressure		Radius m	Flow		Precip mm/hr	
	bar	kPa		m <sup>3</sup> /hr	l/min	■	▲
<b>2</b> ● Yellow	2.8	275	5.5	0.43	7.2	14.3	16.6
	3.4	344	6.1	0.48	7.9	12.8	14.8
	4.1	413	6.7	0.55	9.1	12.1	14.0
	4.5	482	7.0	0.59	9.8	12.0	13.9
<b>3</b> ● Yellow	2.8	275	7.0	0.68	11.4	13.9	16.0
	3.4	344	7.6	0.73	21.1	12.5	14.5
	4.1	413	8.2	0.80	13.2	11.7	13.6
	4.5	450	8.5	0.82	13.6	11.2	13.0
<b>4</b> ● Yellow	2.8	275	7.6	0.89	14.8	15.3	17.6
	3.4	344	8.5	0.93	15.5	12.8	14.8
	4.1	413	9.1	1.00	16.7	12.0	13.8
	4.5	450	9.4	1.04	17.4	11.7	13.5
<b>5</b> ● Yellow	2.8	275	8.8	1.07	17.8	13.7	15.8
	3.4	344	9.8	1.14	18.9	11.9	13.8
	4.1	413	10.1	1.20	20.1	11.9	13.7
	4.5	450	10.7	1.23	20.4	10.8	12.4
<b>6</b> ● Yellow	2.8	275	9.8	1.36	22.7	14.3	16.5
	3.4	344	10.7	1.43	23.8	12.6	14.5
	4.1	413	11.3	1.50	25.0	11.8	13.6
	4.5	450	11.9	1.54	25.7	10.9	12.6
<b>8</b> ● Yellow	2.8	275	11.0	1.77	29.5	14.7	17.0
	3.4	344	11.9	1.82	30.3	12.9	14.8
	4.1	413	12.8	1.89	31.4	11.5	13.3
	4.5	450	13.1	1.93	32.2	11.2	13.0
<b>10</b> ● Yellow	2.8	275	11.9	2.20	36.7	15.6	18.0
	3.4	344	13.1	2.29	38.2	13.4	15.4
	4.1	413	13.7	2.34	39.0	12.4	14.4
	4.5	450	14.3	2.39	39.7	11.6	13.4
<b>12</b> ● Yellow	2.8	275	13.4	2.73	45.4	15.2	17.5
	3.4	344	14.3	2.77	46.2	13.5	15.6
	4.1	413	14.6	2.84	47.3	13.3	15.3
	4.5	450	15.2	2.91	48.5	12.5	14.5

**G835 NOZZLES**



\* Complies to ASAE standard. All precipitation rates calculated for 360° operation. All triangular rates are equilateral.



G995 TTS Rotor

**Spacious TTS Flange Compartment**

All TTS rotors include ample room for solenoid splice connections and a decoder module when needed.

# B SERIES

Models: **G80B & G85B**

Radius: **13.1 to 27.7 m**

Flow: **1.86 to 13.15 m<sup>3</sup>/hr; 31.0 to 219.2 l/min**

## FEATURES

- Models:
  - G80B: Full circle opposing nozzles
  - G85B: True full circle/adjustable part circle (60° to 360°)
- QuickCheck™ arc mechanism (G85B)
- QuickSet-360 arc mechanism (G85B)
- Dual trajectory colour-coded nozzles:
  - G80B: 6 standard trajectory (25°)
  - G85B: 12 standard trajectory (22.5°)
  - G85B: 9 low-angle trajectory (15°)
- Nozzle range:
  - G80B: #25 to #53
  - G85B: #10 to #53
- Exclusive PressurePort™ nozzle technology
- Contour “Back-Nozzle” capabilities (G85B)
- Ratcheting stainless steel riser (G85B)
- Water lubricated gear-drives
- Check height up to 3 m in elevation change

## OPERATING SPECIFICATIONS

- G80B
  - Radius: 20.4 to 26.8 m
  - Flow: 5.11 to 13.15 m<sup>3</sup>/hr; 85.2 to 219.2 l/min
  - Pressure range: 4.5 to 6.9 bar; 450 to 690 kPa
- G85B
  - Radius: 13.1 to 27.7 m
  - Flow: 1.86 to 13.06 m<sup>3</sup>/hr; 31.0 to 217.7 l/min
  - Pressure range: 3.4 to 6.9 bar; 340 to 690 kPa
- All B Series rotors are pressure rated at 10 bar; 1,000 kPa



### G80B

Pop-up height: 8 cm  
Overall height: 24.5 cm  
Flange diameter: 13.7 cm  
Female Inlet: 1/4" ACME



### G85B

Pop-up height: 9.5 cm  
Overall height: 24.5 cm  
Flange diameter: 13.7 cm  
Female Inlet: 1/4" ACME

### G80B & G85B – SPECIFICATION BUILDER: ORDER 1 + 2 + 3 + 4

1 Model	2 Valve Options	3 Nozzle	4 Options*
<b>G80</b> = Full Circle	<b>B</b> = Block rotor with check valve	<b>25 to 53</b> = Installed G80 Nozzle* * SSU = #25 & #48	<b>S</b> = SSU* * Standard Stocking Unit
<b>G85</b> = Full/Part Circle 60° - 360°	<b>B</b> = Block rotor with check valve	<b>10 to 53</b> = Installed G85 Nozzle** ** SSU = #18, #25 & #48	<b>S</b> = SSU* * Standard Stocking Unit

**Example:**

**G80 - B - 25 - S** = G80 full circle block rotor, installed #25 nozzle, standard stocking unit model

**G80B NOZZLE PERFORMANCE DATA\***

Nozzle	Pressure		Radius m	Flow		Precip mm/hr	
	bar	kPa		m <sup>3</sup> /ora	l/min	■	▲
<b>25</b> ● Lt. Blue	4.5	450	20.4	5.11	85.2	12.3	14.1
	4.8	482	21.0	5.43	90.5	12.3	14.2
	5.5	551	21.6	5.91	98.4	12.6	14.6
	6.2	620	21.9	6.34	105.6	13.2	15.2
	6.9	689	22.3	6.77	112.8	13.7	15.8
<b>33</b> ● Grey	4.5	450	22.3	7.04	117.3	14.2	16.4
	4.8	482	22.6	7.31	121.9	14.4	16.6
	5.5	551	23.2	7.88	131.4	14.7	17.0
	6.2	620	23.5	8.40	140.1	15.3	17.6
	6.9	689	23.8	8.81	146.9	15.6	18.0
<b>38</b> ● Red	4.5	450	23.2	7.97	132.9	14.9	17.2
	4.8	482	23.5	8.25	137.4	15.0	17.3
	5.5	551	24.1	8.75	145.7	15.1	17.4
	6.2	620	24.4	9.20	153.3	15.5	17.9
	6.9	689	24.7	9.75	162.4	16.0	18.5
<b>43</b> ● Dk. Brown	4.5	450	23.8	8.90	148.4	15.8	18.2
	4.8	482	24.1	9.27	154.4	16.0	18.5
	5.5	551	25.0	9.93	165.4	15.9	18.3
	6.2	620	25.3	10.56	176.0	16.5	19.1
	6.9	689	26.5	11.09	184.7	16.9	19.5
<b>48</b> ● Dk. Green	4.5	450	25.0	9.95	165.8	15.9	18.4
	4.8	482	25.3	10.52	175.3	16.4	19.0
	5.5	551	25.9	11.13	185.5	16.6	19.1
	6.2	620	26.2	11.79	196.5	17.2	19.8
	6.9	689	26.5	12.36	205.9	17.6	20.3
<b>53</b> ● Dk. Blue	4.5	450	25.3	10.65	177.5	16.6	19.2
	4.8	482	25.6	11.15	185.9	17.0	19.6
	5.5	551	26.5	11.95	199.1	17.0	19.6
	6.2	620	26.8	12.45	207.4	17.3	20.0
	6.9	689	26.8	13.15	219.2	18.3	21.1

\* Complies to ASAE standard. All precipitation rates calculated for 360° operation. All triangular rates are equilateral.

**G80B NOZZLES**



**G85B NOZZLES**



**G85B LOW-ANGLE NOZZLES\*\***



\*\* Low-angle nozzles reduce radius by 15%

**G85B NOZZLE PERFORMANCE DATA\***

Nozzle Set			Pressure		Radius m	Flow		Precip mm/hr	
			bar	kPa		m <sup>3</sup> /hr	l/min	■	▲
Orange 803603 ●	10 Lt. Green	Dk. Green 315312	3.4	344	13.1	1.86	31.0	10.8	12.5
			4.1	413	13.4	2.23	37.1	12.4	14.3
			4.5	450	13.7	2.29	38.2	12.2	14.1
			-	-	-	-	-	-	-
Orange 803603 ●	13 Lt. Blue	White 315314	3.4	344	14.6	2.66	44.3	12.4	14.3
			4.1	413	15.2	2.91	48.5	12.5	14.5
			4.5	450	15.5	3.04	50.7	12.6	14.5
			-	-	-	-	-	-	-
Orange 803603 ●	15 White	White 315314	3.4	344	15.9	3.02	50.3	12.0	13.9
			4.1	413	16.2	3.34	55.6	12.8	14.8
			4.5	450	16.5	3.45	57.5	12.7	14.7
			-	-	-	-	-	-	-
Orange 803603 ●	18 Orange	Lt. Green 315313	3.4	344	16.8	3.79	63.2	13.5	15.6
			4.1	413	17.4	4.04	67.4	13.4	15.5
			4.5	450	17.7	4.13	68.9	13.2	15.3
			-	-	-	-	-	-	-
Orange 803603 ●	20 Tan	Lt. Green 315313	3.4	344	17.7	4.18	69.7	13.4	15.4
			4.1	413	18.3	4.45	74.2	13.3	15.4
			4.5	450	18.6	4.66	77.6	13.5	15.6
			4.8	482	18.6	4.88	81.4	14.1	16.3
Orange 803603 ●	23 Green	Lt. Green 315313	3.4	344	18.6	4.78	79.6	13.8	16.0
			4.1	413	19.2	5.18	86.3	14.0	16.2
			4.5	450	19.8	5.43	90.5	13.8	16.0
			4.8	482	20.1	5.86	97.7	14.5	16.7
Red 803602 ●	25 Blue	Green 315310	4.5	450	21.0	6.68	111.3	15.1	17.4
			4.8	482	21.3	6.92	115.3	15.2	17.6
			5.5	551	21.6	7.37	122.8	15.7	18.2
			6.2	620	21.9	7.77	129.5	16.1	18.6
Red 803602 ●	33 Grey	Green 315310	6.9	689	22.3	8.25	137.4	16.7	19.2
			-	-	-	-	-	-	-
			5.5	551	22.3	7.83	130.4	15.8	18.3
			6.2	620	22.6	8.34	138.9	16.4	18.9
Red 803602 ●	38 Red	Green 315310	6.9	689	23.2	8.75	145.7	16.3	18.8
			-	-	-	-	-	-	-
			5.5	551	24.1	8.94	149.0	15.4	17.8
			6.2	620	24.1	9.36	156.0	16.1	18.6
Red 803602 ●	43 Dk. Brown	Green 315310	6.9	689	24.4	9.75	162.4	16.4	18.9
			-	-	-	-	-	-	-
			5.5	551	24.4	9.88	164.7	16.6	19.2
			6.2	620	24.7	10.54	175.6	17.3	20.0
Dk. Red 803601 ●	48 Dk. Green	Dk. Green 315312	6.9	689	25.3	11.06	184.3	17.3	20.0
			-	-	-	-	-	-	-
			5.5	551	25.9	11.20	186.6	16.7	19.3
			6.2	620	26.2	11.86	197.6	17.3	19.9
Dk. Red 803601 ●	53 Dk. Blue	Dk. Green 315312	6.9	689	26.8	12.43	207.1	17.3	19.9
			-	-	-	-	-	-	-
			5.5	551	27.1	11.98	199.7	16.3	18.8
			6.2	620	27.4	12.54	209.0	16.7	19.2
Dk. Red 803601 ●	53 Dk. Blue	Dk. Green 315312	6.9	689	27.7	13.06	217.7	17.0	19.6
			-	-	-	-	-	-	-
			5.5	551	27.1	11.98	199.7	16.3	18.8
			6.2	620	27.4	12.54	209.0	16.7	19.2

● = Nozzle plug P/N 315300 installed in the back side of the nozzle housing.

\* Preliminary performance data.

# B SERIES

Models: **G70B & G75B**  
 Radius: **14.3 to 22.9 m**  
 Flow Rate: **1.75 to 7.66 m<sup>3</sup>/hr; 29.1 to 127.6 l/min**

## FEATURES

- Models:
  - G70B: Full circle
  - G75B: Full/Part circle (50° to 360°)
- QuickCheck™ arc mechanism (G75B)
- QuickSet-360 arc mechanism (G75B)
- Nozzle choices:
  - G70B: 6 standard trajectory (25°)
  - G75B: 9 standard trajectory (25°)
- Nozzle range:
  - G70B: #15 to #28
  - G75B: #8 to #28
- Exclusive PressurePort™ nozzle technology
- Water lubricated gear-drive
- Check height up to 3 m in elevation change

## OPERATING SPECIFICATIONS

- G70B
  - Radius: 16.2 to 22.9 m
  - Discharge rate: 2.95 to 7.66 m<sup>3</sup>/hr; 49.2 to 127.6 l/min
  - Pressure range: 3.4 to 6.9 bars; 344 to 689 kPa
- G75B
  - Radius: 14.3 to 21.6 m
  - Discharge rate: 1.75 to 7.34 m<sup>3</sup>/hr; 29.1 to 122.3 l/min
  - Pressure range: 2.8 to 6.9 bars; 275 to 689 kPa
- All B Series rotors are pressure rated at 10 bars; 1,000 kPa



**G70B**  
 Pop-up height: 8 cm  
 Overall height: 23 cm  
 Flange diameter: 12 cm  
 Female Inlet: 1/4" ACME



**G75B**  
 Pop-up height: 8 cm  
 Overall height: 23 cm  
 Flange diameter: 12cm  
 Female Inlet: 1/4" ACME

### G70B & G75B - SPECIFICATION BUILDER: ORDER 1 + 2 + 3 + 4

1	Model	2	Valve Options	3	Nozzle	4	Options
	<b>G70</b> = Full Circle		<b>B</b> = Block Rotor with Check Valve		<b>25</b> = Installed G70 Nozzle *  * Available in SSU model only SSU = #25 Includes nozzle pack		<b>S</b> = SSU *  * Standard Stocking Unit
	<b>G75</b> = Full/Part Circle, 50° - 360° Arc Range		<b>B</b> = Block Rotor with Check Valve		<b>25</b> = Installed G75 Nozzle **  ** Available in SSU model only SSU = #25 Includes nozzle pack		<b>S</b> = SSU *  * Standard Stocking Unit

**Example:**  
**G70 - B - 25 - S** = G70 full circle block rotor, installed #25 nozzle with nozzle pack, standard stocking unit model

G70B NOZZLE PERFORMANCE DATA*							
Nozzle	Pressure		Radius m	Flow		Precip mm/hr	
	bar	kPa		m <sup>3</sup> /hr	l/min	■	▲
<b>15</b> ● Grey	3.4	344	16.2	2.95	49.2	11.3	13.1
	4.1	413	16.5	3.20	53.4	11.8	13.7
	4.5	450	16.8	3.36	56.0	12.0	13.8
	4.8	482	17.1	3.52	58.7	12.1	14.0
	5.5	551	17.7	3.70	61.7	11.8	13.7
<b>18</b> ● Red	3.4	344	17.7	3.23	53.8	10.3	11.9
	4.1	413	18.0	3.61	60.2	11.2	12.9
	4.5	450	18.3	3.70	61.7	11.1	12.8
	4.8	482	18.3	3.84	64.0	11.5	13.3
	5.5	551	18.6	4.04	67.4	11.7	13.5
<b>20</b> ● Dk. Brown	3.4	413	18.6	4.27	71.2	12.4	14.3
	4.1	450	18.9	4.45	74.2	12.5	14.4
	4.5	482	19.2	4.66	77.6	12.6	14.6
	4.8	551	19.5	5.00	83.3	13.1	15.2
	5.5	620	19.5	5.32	88.6	14.0	16.1
<b>23</b> ● Dk. Green	3.4	413	19.2	4.57	76.1	12.4	14.3
	4.1	450	19.8	4.77	79.5	12.2	14.0
	4.5	482	19.8	4.97	82.9	12.7	14.6
	4.8	551	20.1	5.32	88.6	13.1	15.2
	5.5	620	20.4	5.66	94.3	13.6	15.7
<b>25</b> ● Dk. Blue	3.4	413	19.8	4.95	82.5	12.6	14.6
	4.1	450	20.4	5.11	85.2	12.3	14.1
	4.5	482	20.4	5.36	89.3	12.9	14.8
	4.8	551	21.0	5.75	95.8	13.0	15.0
	5.5	620	21.6	6.11	101.8	13.0	15.1
<b>28</b> ● Black	4.8	482	21.6	6.38	106.4	13.6	15.7
	5.5	551	21.6	6.79	113.2	14.5	16.7
	6.2	620	22.3	7.22	120.4	14.6	16.8
	6.9	689	22.9	7.66	127.6	14.6	16.9

\* Complies to ASAE standard. All precipitation rates calculated for 360° operation. All triangular rates are equilateral.

G75B NOZZLE PERFORMANCE DATA*							
Nozzle	Pressure		Radius m	Flow		Precip mm/hr	
	bar	kPa		m <sup>3</sup> /hr	l/min	■	▲
<b>8</b> ● Lt. Brown	2.8	275	14.3	1.75	29.1	8.5	9.8
	3.4	344	14.9	1.89	31.4	8.5	9.8
	4.1	413	15.2	2.09	34.8	9.0	10.4
	4.5	450	15.2	2.16	36.0	9.3	10.7
	4.8	482	15.5	2.25	37.5	9.3	10.7
<b>10</b> ● Lt. Green	3.4	344	16.2	2.48	41.3	9.5	11.0
	4.1	413	16.5	2.73	45.4	10.1	11.6
	4.5	450	16.5	2.84	47.3	10.5	12.1
	4.8	482	16.8	2.98	49.6	10.6	12.2
	5.5	551	17.1	3.25	54.1	11.1	12.9
<b>13</b> ● Lt. Blue	3.4	344	16.8	2.54	42.4	9.1	10.5
	4.1	413	17.1	2.79	46.6	9.6	11.1
	4.5	450	17.1	2.91	48.5	10.0	11.5
	4.8	482	17.4	3.02	50.3	10.0	11.6
	5.5	551	17.4	3.25	54.1	10.8	12.4
<b>15</b> ● Grey	3.4	344	17.4	3.04	50.7	10.1	11.6
	4.1	413	17.7	3.25	54.1	10.4	12.0
	4.5	450	18.0	3.36	56.0	10.4	12.0
	4.8	482	18.0	3.48	57.9	10.7	12.4
	5.5	551	18.3	3.73	62.1	11.2	12.9
<b>18</b> ● Red	3.4	344	18.3	3.29	54.9	9.8	11.4
	4.1	413	18.6	3.57	59.4	10.3	11.9
	4.5	450	18.6	3.70	61.7	10.7	12.4
	4.8	482	18.9	3.84	64.0	10.7	12.4
	5.5	551	19.2	4.13	68.9	11.2	12.9
<b>20</b> ● Dk. Brown	4.1	413	18.9	4.04	67.4	11.3	13.1
	4.5	450	18.9	4.13	68.9	11.6	13.4
	4.8	482	19.2	4.36	72.7	11.8	13.7
	5.5	551	19.5	4.66	77.6	12.2	14.1
	6.2	620	19.8	4.95	82.5	12.6	14.6
<b>23</b> ● Dk. Green	4.1	413	19.5	4.97	82.9	13.1	15.1
	4.5	450	19.8	4.86	81.0	12.4	14.3
	4.8	482	19.8	5.36	89.3	13.7	15.8
	5.5	551	20.1	5.82	96.9	14.4	16.6
	6.2	620	20.4	6.13	102.2	14.7	17.0
<b>25</b> ● Dk. Blue	4.1	413	19.8	5.34	89.0	13.6	15.7
	4.5	450	19.8	5.63	93.9	14.4	16.6
	4.8	482	20.4	5.82	96.9	13.9	16.1
	5.5	551	21.0	6.20	103.3	14.0	16.2
	6.2	620	21.6	6.59	109.8	14.1	16.2
<b>28</b> ● Black	4.8	482	20.1	6.11	101.8	15.1	17.4
	5.5	551	20.7	6.56	109.4	15.3	17.6
	6.2	620	21.3	6.95	115.8	15.3	17.6
	6.9	689	21.6	7.34	122.3	15.7	18.1

**G70B & G75B NOZZLES**



G70B



G75B

# B SERIES

Model: **G35B**  
 Radius: **5.5 to 15.2 m**  
 Flow: **0.43 to 2.91 m<sup>3</sup>/hr; 7.2 to 48.5 l/min**

## FEATURES

- Model: G35B: Full/Part circle (50° - 360°)
- QuickCheck™ arc mechanism
- QuickSet-360 arc mechanism
- Nozzle choices:
  - 8 multi-trajectory 15°-25°
- Nozzle range:
  - #2 to #12
- Water lubricated gear-drives
- Check height up to 3 m in elevation change

## OPERATING SPECIFICATIONS

- G35B
  - Radius: 5.5 to 15.2 m
  - Flow: 0.43 to 2.91m<sup>3</sup>/hr; 7.2 to 48.5 l/min
  - Pressure range: 2.8 to 4.5 bar; 280 to 450 kPa
  - All B Series rotors are pressure rated at 10 bar; 1,000 kPa



**G35B**  
 Pop-up height: 8 cm  
 Overall height: 23 cm  
 Flange diameter: 12 cm  
 Female Inlet: 1/4" ACME

### G35B - SPECIFICATION BUILDER: ORDER 1 + 2 + 3 + 4

1 Model	2 Valve Options	3 Nozzle	4 Options*
G35 = Full/Part Circle 50° to 360°	B = Block rotor with check valve	6 = Installed G35 Nozzle*  * Available in SSU model only SSU = #6 Includes nozzle rack	S = SSU*  * Standard Stocking Unit

**Example:**  
 G35 - B - 6 - S = G35 full/part circle block rotor, installed #6 nozzle with nozzle rack, standard stocking unit model

G35B NOZZLE PERFORMANCE DATA*							
Nozzle	Pressure		Radius	Flow		Precip mm/hr	
	bar	kPa		m <sup>3</sup> /hr	l/min	■	▲
<b>2</b> ● Yellow	2.8	275	5.5	0.43	7.2	14.3	16.6
	3.4	344	6.1	0.48	7.9	12.8	14.8
	4.1	413	6.7	0.55	9.1	12.1	14.0
	4.5	450	7.0	0.59	9.8	12.0	13.9
<b>3</b> ● Yellow	2.8	275	7.0	0.68	11.4	13.9	16.0
	3.4	344	7.6	0.73	21.1	12.5	14.5
	4.1	413	8.2	0.80	13.2	11.7	13.6
	4.5	450	8.5	0.82	13.6	11.2	13.0
<b>4</b> ● Yellow	2.8	275	7.6	0.89	14.8	15.3	17.6
	3.4	344	8.5	0.93	15.5	12.8	14.8
	4.1	413	9.1	1.00	16.7	12.0	13.8
	4.5	450	9.4	1.04	17.4	11.7	13.5
<b>5</b> ● Yellow	2.8	275	8.8	1.07	17.8	13.7	15.8
	3.4	344	9.8	1.14	18.9	11.9	13.8
	4.1	413	10.1	1.20	20.1	11.9	13.7
	4.5	450	10.7	1.23	20.4	10.8	12.4
<b>6</b> ● Yellow	2.8	275	9.8	1.36	22.7	14.3	16.5
	3.4	344	10.7	1.43	23.8	12.6	14.5
	4.1	413	11.3	1.50	25.0	11.8	13.6
	4.5	450	11.9	1.54	25.7	10.9	12.6
<b>8</b> ● Yellow	2.8	275	11.0	1.77	29.5	14.7	17.0
	3.4	344	11.9	1.82	30.3	12.9	14.8
	4.1	413	12.8	1.89	31.4	11.5	13.3
	4.5	450	13.1	1.93	32.2	11.2	13.0
<b>10</b> ● Yellow	2.8	275	11.9	2.20	36.7	15.6	18.0
	3.4	344	13.1	2.29	38.2	13.4	15.4
	4.1	413	13.7	2.34	39.0	12.4	14.4
	4.5	450	14.3	2.39	39.7	11.6	13.4
<b>12</b> ● Yellow	2.8	275	13.4	2.73	45.4	15.2	17.5
	3.4	344	14.3	2.77	46.2	13.5	15.6
	4.1	413	14.6	2.84	47.3	13.3	15.3
	4.5	450	15.2	2.91	48.5	12.5	14.5



\* Complies to ASAE standard. All precipitation rates calculated for 360° operation. All triangular rates are equilateral.

# ROTOR ACCESSORIES

## HOSE-SWIVEL ADAPTERS

### Models

- Hose swivel adapter for G90 and G900 Series (fits ¾" & 1" hose) P/N G90HS100
- Hose swivel adapter for G800 Series (fits ¾" & 1" hose) P/N G800HS100

## RUBBER COVER KITS

### Models

- G90 rubber cover kit P/N 463672
- G95 rubber cover kit P/N 463679
- G990 rubber cover kit (date codes 06/11 & prior only) P/N 473800
- G995 rubber cover kit (also G990 date codes 07/11 & after) P/N 473900



Hose Swivel Adapters

Rubber Cover Kit

# RT SERIES

Models: **G70RT, G75RT & G80RT**  
 Radius: **14.3 to 26.8 m**  
 Flow: **1.75 to 13.15 m<sup>3</sup>/hr; 29.1 to 219.2 l/min**

## FEATURES

- Models:
  - G70RT: Full circle riser with nozzle set
  - G75RT: Full/Part circle riser with nozzle set
  - G80RT: Full circle riser with nozzle set
- Works with all 1" and 1½" inlet Toro® golf rotors (except 800 and 690 Series)
- Converts current sprinklers into closed-case rotors
- The RT upgrade extends the life of existing irrigation systems
- Performance, reliability and long life
- Upgrade takes less than 5 minutes



### Quick and Easy Upgrade!

The RT retro upgrade takes just minutes and extends the life and reliability of aging irrigation systems.



**G70RT / G75RT**  
Pop-up height: 8 cm



**G80RT**  
Pop-up height: 8 cm

### G70RT/G75RT RETRO RISERS

To Replace TORO®	Use Hunter Model/Nozzle Nozzle	Use Hunter Model/Nozzle	
		G70RT Full Circle	G75RT Full/Part Circle
<b>630</b>	31	15	15
	32	18	18
	33	20	20
	34	28	-
<b>660</b>	62	15	15
	63	18	18
	64	25	25
	65	28	-
<b>730</b>	31	15	15
	32	18	18
	33	20	20
	34	23	23
	35	28	-
<b>760</b>	62	15	15
	63	18	18
	64	20	23
	65	25	25
	66	28	-

### G80RT RETRO RISERS

To Replace TORO®	Use Hunter Model/Nozzle Nozzle	Use Hunter Model/Nozzle
		G80RT Full Circle
<b>650</b>	56	23
	57	33
	58	33
	59	38
	70	43
<b>670</b>	71	48
	72	48
	84	25
<b>680</b>	85	33
	86	33
	87	43
	88	48
	54	25
<b>750</b>	55	33
	56	38
	57	43
	58	48
	84	25
<b>780</b>	85	25
	86	33
	87	38
	88	43
	89	48

GOLF ROTORS

# HSJ SWING JOINTS

## FEATURES

- Heavy-duty prefabricated PVC swing joints with O-ring seals
- Available in all popular inlet and outlet configurations
- Choose from 20, 30 or 46 cm lay arm lengths and Single Top-Out or Triple Top-Out designs
- Unique SnapLok™ outlet with brass threads offers excellent support and durability for quick coupler installations
- Match HSJ swing joint and Hunter golf rotor purchases to qualify for an upgraded 5-year component exchange golf rotor warranty



**Swing Joints**  
 HSJ-1 = Model 1"  
 HSJ-2 = Model 1½"  
 HSJ-3 = Model 1½"

SWING JOINT - SPECIFICATION BUILDER: ORDER 1 + 2 + 3 + 4				
1 Model	2 Inlet Type	3 Outlet Type	4 Outlet Style	5 Lay Length
<b>HSJ-0</b> = ¾" Commercial Swing Joint	<b>2</b> = Spigot - Short <b>3</b> = Male - NPT	<b>2</b> = Male - NPT <b>3</b> = Enlarging - to ½" Male NPT*	<b>2</b> = Single Top-Out	<b>8</b> = 20 cm Lay Arm*
<b>HSJ-1</b> = 1" Heavy-Duty Swing Joint	<b>4</b> = Male - ACME* <b>5</b> = Spigot - Metric Short**	<b>5</b> = Male - BSP (not available in HSJ-0) <b>6</b> = Enlarging - to ½" (40 mm) Male BSP*	<b>4</b> = Triple Top-Out*	<b>12</b> = 30 cm Lay Arm
<b>HSJ-2</b> = 1¼" Heavy-Duty Swing Joint	<b>6</b> = Male - BSP** <b>7</b> = Spigot - 4" Long**	<b>8</b> = Enlarging - to ½" Male ACME* <b>0</b> = Male ACME		<b>18</b> = 46 cm Lay Arm
<b>HSJ-3</b> = 1½" Heavy-Duty Swing Joint	<b>M</b> = Main ACME H-Connection *** <b>P</b> = Main ACME V-Connection ****  * Not available in HSJ-0 or HSJ-3. Use "M" inlet.  ** Not available in HSJ-0.  *** Horizontal connection reduces from ½" ACME to swing joint size  **** Vertical connection reduces from ½" ACME to swing joint size	<b>A</b> = Enlarging/Reducing - to ¼" Male ACME** <b>S</b> = Male - Brass NPT SnapLok™ *** <b>U</b> = Male - Brass BSP SnapLok™ ***  * Not available in HSJ-0 or HSJ-3  ** Not available in HSJ-0 and HSJ-2  ***HSJ-1 model only - for quick coupler		* Not available in S or U Outlet Types

**Example:**

HSJ - 3 - M - 0 - 2 - 12 = HSJ 1½" heavy-duty swing joint, ½" Male ACME horizontal connection to mainline tee, ½" Male ACME single top outlet, 12" lay arm length.

## ACME ADAPTER FITTINGS

**1¼" Models**

	1¼" male ACME x 1" female NPT	P/N 109325
	1¼" male ACME x 1" female BSP	P/N 105329
	1¼" male ACME x 1¼" female NPT	P/N 474800
	1¼" male ACME x 1¼" female BSP	P/N 474900
	1¼" male ACME x ½" female NPT	P/N 104153
	1¼" male ACME x ½" female BSP	P/N 107262

**ACME x ACME Models**

	1½" male ACME x 1" ACME female	P/N 225300
	1½" male ACME x 1¼" ACME female	P/N 225400
	1¼" male ACME x 1" ACME female	P/N 225500

**1½" Models**

	1½" male ACME x 1" female NPT	P/N 475400
	1½" male ACME x 1" female BSP	P/N 475500
	1½" male ACME x 1¼" female NPT	P/N 475200
	1½" male ACME x 1¼" female BSP	P/N 475300
	1½" male ACME x ½" female NPT	P/N 475000
	1½" male ACME x ½" female BSP	P/N 475100

**B2B Tee Assembly**

1½" ACME threaded tee and 1½" adapter for connecting two swing joints to a single mainline connection in back-to-back installations around greens.

P/N = HSJ-305-015-3 = NPT Inlet  
 P/N = HSJ-305-015-6 = NPT Inlet  
 P/N = HSJ-305-015-M = ACME Inlet (shown)

GOLF ROTORS



# CENTRAL CONTROL

CENTRAL CONTROL

## **The Future is Here**

The Pilot™ Control System uses an array of advanced innovations to put the superintendent in complete command.

# PILOT CONTROL SYSTEM

## ADVANCED FEATURES

### Pilot-CC Software Central Control

Safely balance sprinkler demand with water and electrical supply for the most efficient irrigation cycles possible. When controlling where and when water is applied becomes more important than efficient use of the pump stations (grow-in, overseeding) Pilot field controller programs are the perfect solution. Create them from the central, edit them at the controller, then update the central with the new settings.



### Pilot-DH Decoder Hub

Pilot includes a below-ground decoder option. Pilot-DH decoder hubs have a 999-station capacity and can run up to 120 stations simultaneously.

The hub comes in a plastic pedestal enclosure with a full-featured control panel. It can be used as in-field control, a stand-alone decoder controller or linked to a Pilot-CC central control for fully flow-optimised irrigation management.

Communication options include hardwire, UHF radio and two license-free frequencies. Power options include both 120 and 230 VAC.

### Pilot-FC Field Controller

The Pilot field controller manages up to 80 stations in 10 station increments. The full-featured controller has everything you need in a stand-alone field controller. For a fully automated, flow-optimised system, network all your controllers together with Pilot-CC central control software.

Communication options include hardwire, UHF radio and two license-free frequencies. Power options include both 120 VAC and 230 VAC.

### Easy to Program and Maintain

**Ease-of-Use:** The control panel features a large, multi-language display and an array of function buttons providing quick access to the most commonly used features. The display clearly shows what the controller is doing and has a unique feature which shows the user what time the next scheduled watering will occur.

**Ease-of-Maintenance:** The system was designed with you in mind. Circuit boards are encapsulated in polyurethane to reduce damage from moisture and pests. All hardware is captured, so you won't lose screws in the grass. The clean, modular design of Pilot units allow them to be serviced with a single #2 Phillips screwdriver, which we provide with every controller.



# PILOT SOFTWARE

**Pilot is easy to use and has all the features you need to reliably and automatically water your course.** Runtimes can be adjusted manually or determined automatically using ET. Irrigation scheduling is as simple as saying what you want to do—Increase the runtime on hole # 7 fairway sprinklers by 7%. Pilot offers two types of water management—flow-optimised and FCP or field controller program. When flow-optimised, electrical and hydraulic demand are efficiently managed to ensure your watering window is as short as possible. When you use an FCP you have total control over when, where and for how long sprinklers run—perfect for overseeding, seed germination, grow-in and other cultural practices where optimal use of the pump station is a secondary concern.

## PILOT SOFTWARE SPECIFICATIONS

- Operating system: Windows 8, 32 or 64-bit
- Maximum system programs: Unlimited
- Maximum field controllers: 999
- Maximum stations: 79,920
- ET-based scheduling: Weather station or manually entered
- Hydraulic management: Automated and graphed to individual stations
- Mapping: CAD, aerial photo, user-drawn, or all three
- Stored historical reports

Note: Windows® is a registered trademark of The Microsoft Corporation



Overview - Pilot

## GO WITH THE FLOW

Pilot uses your electrical and hydraulic data to efficiently balance sprinkler demand while maintaining flow at safe velocities. To protect your pump station and maintain optimal sprinkler uniformity, irrigation can be gradually stepped up in safe increments.



Matrix View

## CREATE AND EDIT SCHEDULES OUT ON THE COURSE

With Pilot, critical irrigation is not dependent upon the whims and availability of a computer or communications link where it is subject to a single point of failure. Pilot software creates schedules then sends them to the field where controllers do the actual irrigating. Because Pilot field controllers are packed with intelligence, you can even create and edit schedules out on the course and transfer them back to Pilot for review and editing.



Schedule Creation

## MAPPING YOUR COURSE

Use your own map image, find one online, or both. Although it is not required to have a map, adding one allows you to run sprinklers by clicking, monitor stations as they are running and see which sprinklers are running by handheld radio or manually from the controller.



Maps

# PILOT CONTROLLER

Application: **Golf**  
 Number of Stations: **80**  
 Type: **Field Controller**

## FEATURES

- 5 languages
- Up to 80 station outputs in 10-station increments
- Up to 3 Hunter golf valve-in-head rotors per station output
- Up to 18 simultaneous Hunter golf valve-in-head rotors per controller
- 32 automatic schedules with 8 start times per schedule
- Exclusive Safe-Toggle™ mechanical on-off-auto station switches
- 1-31 day skip-day scheduling
- One-touch rain shutdown up to 30 days or indefinitely
- One-touch Safe-Pause™ with 30 minute safety timer
- 1-300% runtime seasonal adjustment
- Seasonal adjustment provides plus or minus 30 minute start times



**Pilot-FC Plastic Pedestal**  
 Height: 100 cm  
 Width: 60 cm  
 Depth: 44 cm  
 Weight: 32 kg

## POWER SUPPLY INPUT

- Supply wires must be 1.85 mm<sup>2</sup> or larger
- 120/230 VAC at 60/50 Hz
- 1.2 amps maximum at 120 VAC
- 0.73 amps maximum at 230 VAC



**Pilot-FI Field Interface**  
 One is required with any central control system. It is used to link the central computer to the field equipment.  
 Height: 30 cm  
 Width: 30 cm  
 Depth: 11 cm  
 Weight: 2 kg

## POWER SUPPLY OUTPUT

- Station output: 0.56 amps at 24 VAC
- 24 VAC Hot Post™ output: 420 mA at 24 VAC
- Solenoid Capacity 3 standard 24 VAC Hunter golf valve-in-head rotors per output, 18 maximum simultaneous stations

## RADIO SYSTEMS

- UHF Radio: 450-475 MHz
- License Free Radio: 915MHz (US) and 2.4GHz (international)
- Hardwire

## WIRED SYSTEMS

- GCBL: Shielded two twisted pairs, 0.82 mm<sup>2</sup>
- GCBLA: Armored, shielded two twisted pairs, 0.82 mm<sup>2</sup>

CENTRAL CONTROL

### PILOT-FC – SPECIFICATION BUILDER ORDER 1 + 2 + 3

1 Model	2 Standard Features	3 Options
<b>Pilot-FC30</b> (30-station)	Plastic pedestal (grey) 120/230 VAC 60/50 Hz dual-voltage transformer	<b>S</b> Stand-alone field controller with no central communications
<b>Pilot-FC40</b> (40-station)		<b>HWR</b> Hardwire communications
<b>Pilot-FC50</b> (50-station)		<b>UHF</b> UHF radio communications (US only)
<b>Pilot-FC60</b> (60-station)		<b>LF</b> License-free radio communications
<b>Pilot-FC70</b> (70-station)		<b>ILF</b> License-free radio communications
<b>Pilot-FC80</b> (80-station)		<b>VSX</b> UHF radio communication as replacement for VSX

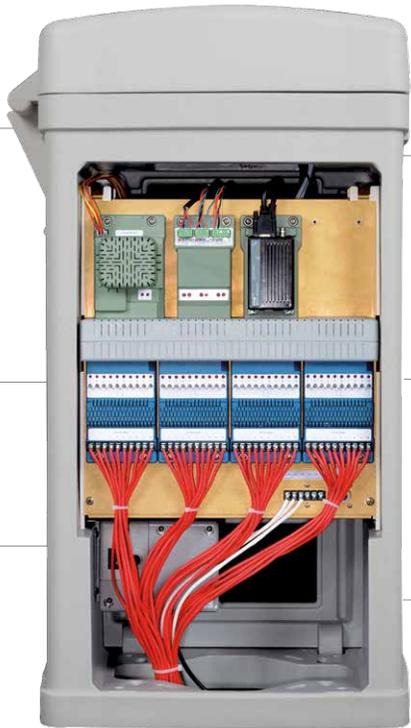
**Examples:**  
**Pilot-FC40-S** 40-station, stand-alone field controller with no central communications  
**Pilot-FC70-HWR** 70-station field controller with hardwire communications  
**Pilot-FC80-ILF** 80-station field controller with international license-free radio communications

**THE PILOT FIELD CONTROLLER WAS BUILT SPECIFICALLY FOR GOLF COURSE IRRIGATION CONTROL.**

**Water-Resistant Keypad**  
 Large backlit display with convenient function buttons for the most commonly used features. Built in system diagnostics make troubleshooting your system a breeze.

**Diagnostic LED Indicators**  
 To quickly identify problems.

**Conveniently Located Dual-Voltage (120/230 VAC) Transformer**  
 Features heavy duty surge protection and even includes a spare fuse.



**Easy to Service**  
 The only tool required is a #2 Phillips screwdriver and you don't even have to bring one because we include it with every controller.

**Modular 10-Station Expansion Boards**  
 Colour-coded modular components with captured screws so they won't get lost, making it easy to assemble and troubleshoot.

**Spacious Wiring Area**  
 No exposed circuitry or loose wires. All circuit boards are encapsulated in polyurethane to protect them from moisture, insects and temperature extremes.

PILOT-FI - SPECIFICATION BUILDER ORDER 1 + 2 + 3		
1 Model	2 Standard Features	3 Options
Pilot-FI	Plastic pedestal (grey)	<p><b>HWR</b> Hardwire communications</p> <p><b>UHF</b> UHF radio communications (US only)</p> <p><b>LF</b> License-free radio communications</p> <p><b>ILF</b> License-free radio communications</p>

**Examples:**  
**Pilot-FI-HWR** Field interface with hardwire communications  
**Pilot-FI-UHF** Field interface with UHF radio communications (US only)  
**Pilot-FI-ILF** Field interface with international license-free radio communications

# PILOT DECODERS

Application: **Golf**  
 Number of Stations: **999**  
 Type: **Decoder System**

Decoder installations continue to be one of the fastest growing forms of technology in irrigation control. A key advantage over conventional systems is that decoders use less wire for an overall irrigation system. That in turn means lower cost as well as quicker installation time and easier system diagnosis and repair if needed. Systems can be easily expanded—with minimal digging and disruption of landscaping—by adding in more decoders rather than running additional wires.

Pilot enables you to take advantage of this cost-efficient approach. Pilot decoders are available with 1, 2, 4 and 6-way outputs, making it possible to run each head on an entire green with a single decoder. In all, decoders let you operate up to 999 stations out to 4.5 km from a single controller, with reduced costs and only two wires to troubleshoot.

Pilot decoder systems include built-in surge suppression, colour-coded wire connections, true independent station control, integrated earth grounding, programmable station addresses and two-way feedback to the controller with confirmation and status indication.

Pilot-SG surge protectors are available for use with our new DIH golf rotors.



### Pilot Decoders

1 & 2-way Decoders:  
 Height: 9 cm  
 Width: 4 cm  
 Depth: 2.5 cm  
 Weight: 150 g

4 & 6-way Decoders:  
 Height: 9 cm  
 Width: 4.5 cm  
 Depth: 4 cm  
 Weight: 250 g

Distinct yellow design makes it much easier to find them in dark valve boxes or buried in the soil.

### Pilot Decoder Hub



**Water-Resistant Keypad**  
 Illuminated display permits editing and operating in the field where the plants are

**Diagnostic LED Indicators**  
 For all functions on decoder output module

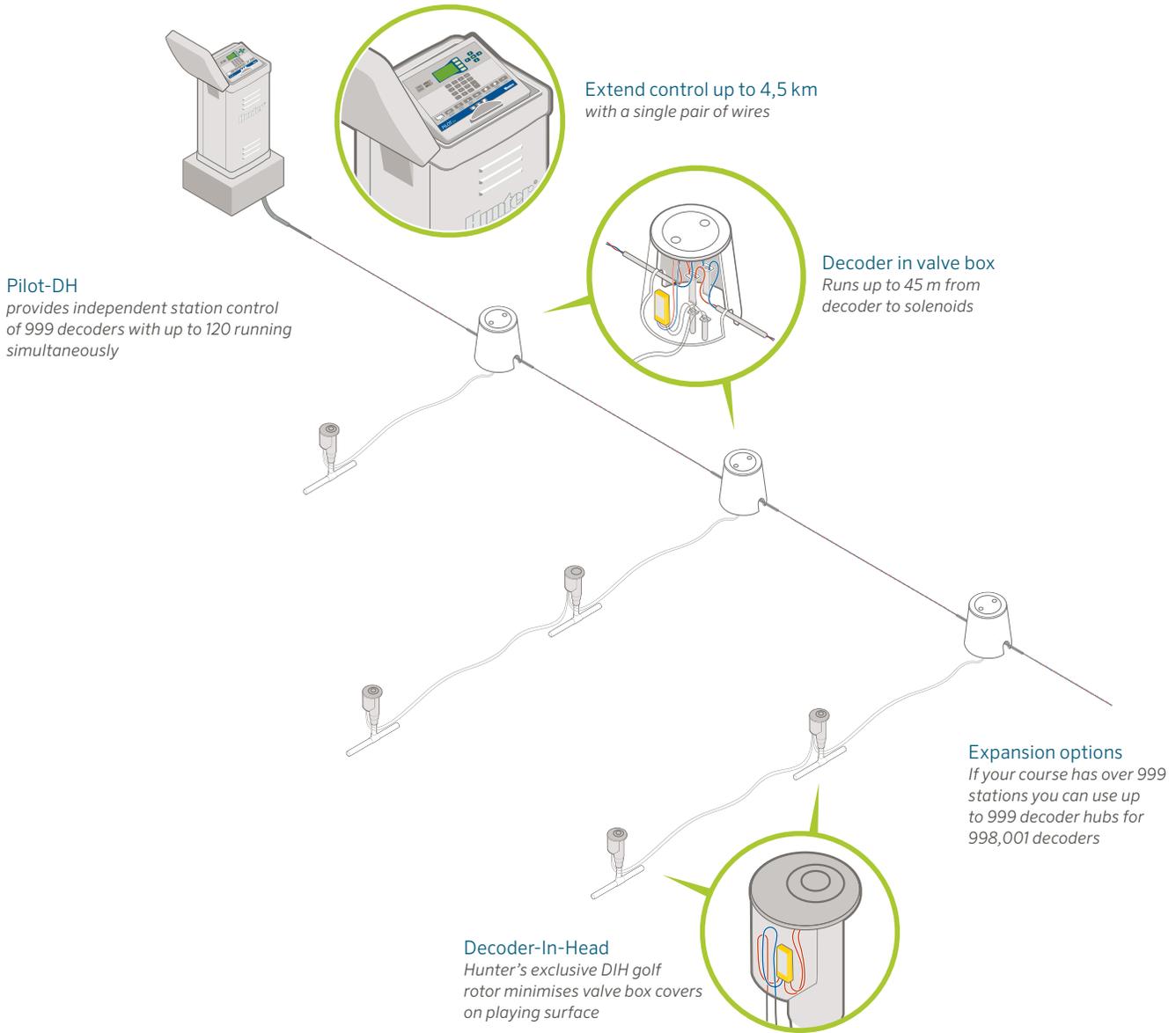
**250-Station Output Modules**  
 Enables your decoder hub to grow with your course. Start with 250 - grow to 999

CENTRAL CONTROL

## PILOT-DH - SPECIFICATION BUILDER ORDER 1 + 2 + 3

1 Model	2 Standard Features	3 Options
<b>Pilot-DH250</b> (250-station)	Plastic pedestal (grey)	<b>S</b> Stand-alone decoder hub with no central communications
<b>Pilot-DH500</b> (500-station)		<b>HWR</b> Hardwire communications
<b>Pilot-DH750</b> (750-station)		<b>UHF</b> UHF radio communications (US only)
<b>Pilot-DH999</b> (999-station)		<b>LF</b> License-free radio communications
		<b>ILF</b> License-free radio communications

**Examples:**  
**Pilot-DH250-S** 250-station, stand-alone decoder hub with no central communications  
**Pilot-DH750-ILF** 750-station decoder hub with international license-free radio communications  
**Pilot-DH999-HWR** 999-station decoder hub with hardwire communications



DECODERS - SPECIFICATION BUILDER ORDER 1 + 2	
1 Model	2 Standard Features
<b>Pilot-100</b> 1-station decoder	Built-in surge protection
<b>Pilot-200</b> 2-station decoder	
<b>Pilot-400</b> 4-station decoder	
<b>Pilot-600</b> 6-station decoder	
<b>Pilot-SG</b> Inline surge protection	

**Example:**  
**Pilot-100** 1-station decoder

# WEATHER STATION

Application: **Golf**  
 Range: **Wireless 1 km**  
 Type: **Weather Station**

## FEATURES

- Includes built-in 60-day data logger: With onboard evapotranspiration (ET) calculation (modified Penman-Monteith equation for turf grass)
- Wireless package uses 2.4 GHz licence-free technology
  - 2.4 GHz radio systems can reach up to 3 km
  - In rural areas, try the licence-free, 900 MHz radio for links up to 800 m
- Wired systems use Hunter GCBL, direct-bury cable with a range of 1.25 km (dedicated computer port required)
- Optional solar panel kit provides wireless power
  - For astonishing ease of installation and versatile mounting. On-board 800 mAh rechargeable gel cell battery with 18 VDC transformer and 7 m power cable
- Weatherproof construction: With UV stabilised enclosure, weather-proof external connectors and long-life coated circuit boards
- UL, c-UL and CE certifications
- Warranty period: 1 year



### TurfWeather Station

Height: 61 cm  
 Width: 40.5 cm  
 Depth: 38 cm  
 Weight: 6 kg

## COMPLETE PACKAGES INCLUDE HUNTER WEATHER SOFTWARE

Model	Description
TWHW	Wired communications to central computer - GCBL cable is required
TW24	2.4 GHz licence-free radio communication to central computer
TW916	916 MHz licence-free radio communication to central computer
TW922A	922 MHz licence-free radio communication to central computer
TWSUN	Optional solar power kit for all TurfWeather models

# MAINTENANCE RADIO

Application: **Golf**  
 Range: **Up to 3.5 km**  
 Type: **Remote Control**

## FEATURES

- Instant control of stations, blocks and programs
- Fewer buttons to push
- Instant audio confirmation of commands
- Hunter’s famous StraightTalk™ Technology: Enables wireless remote control at ranges up to 3.5 km whether or not the central computer is turned on
- Easy commands that show in display before sending
- Compact size, industrial construction
- Suitable for two-way voice communication with crews and office
- High signal output: 2 watts, UHF (450-470 MHz)\*

Note: \*License required in most countries



**TRNR Radio**  
 Height: 10.25 cm  
 Width: 5.25 cm  
 Depth: 3 cm  
 Weight: 200 grams

## TRNR Radio

