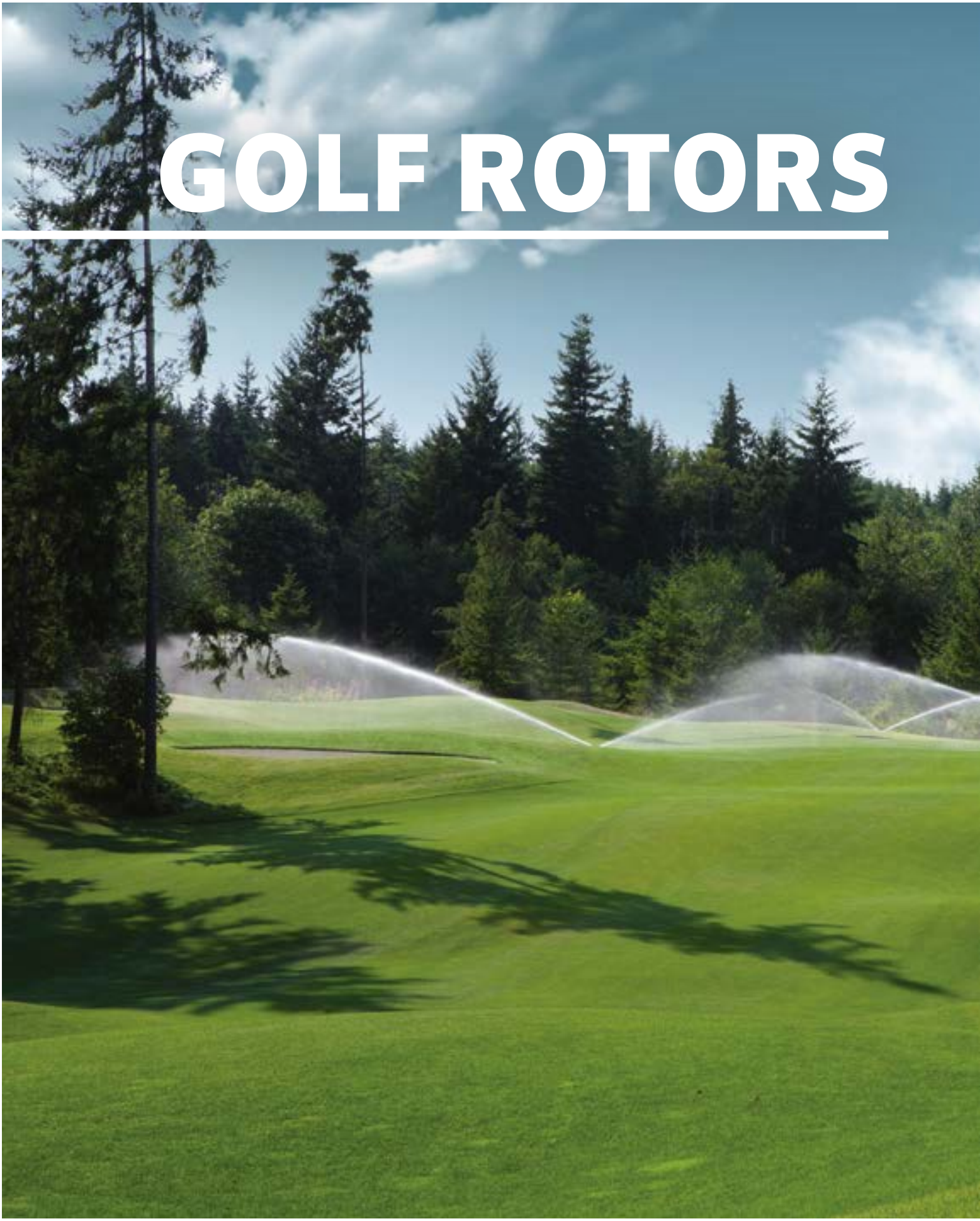
GOLF ROTORS



GOLF ROTORS
ADVANCED FEATURES

GOLF IRRIGATION

THE G885 HAS POWER TO SPARE

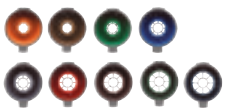
Boasting the highest torque output of any golf rotor on the market, the G885's patented gear drive will push through anything that gets in its way. Try it yourself and see. With just one rotation of the turret by hand, you can clearly feel this rotor's formidable durability. With such a powerful core,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

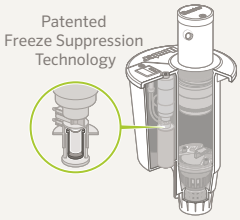
Total-Top-Service (TTS)

Access Everything Through the Top

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

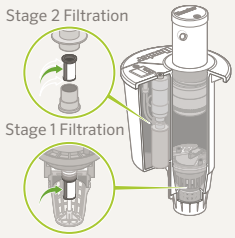
Large and Flexible Yardage Marker Capabilities

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 valve 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

Program Decoders from the Surface with No Disassembly

Simple, fast, and easy to program before or after installation with the wireless ICD-HP

Access Decoders Through the Top with No Digging Required

Servicing is easy - there's no mess with TTS DIH rotors

Durability, Efficiency, and Reliability Housed in the Industry's First TTS DIH Rotor

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

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

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

DIH Rotors Include All the Unique Features and Benefits of TTS Rotors

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

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

G900 SERIES

Models: **G990 & G995**
Radius: **22.3 to 31.4 m**
Flow: **6.7 to 19.04 m³/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 m³/hr; 115.5 to 315.3 l/min
  - Pressure range: 5.5 to 8.3 bar; 550 to 830 kPa
- G995
  - Radius: 20.1 to 29.6 m
  - Flow: 6.7 to 19.04 m³/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, 210 mA (370 mA inrush) 50Hz; 190 mA (350 mA inrush) 60Hz solenoid with captive plunger and internal downstream bleed

* All DIH rotors include two IBM DBRY-6 splices for connection to the 2-wire path. See page 193 for critical recommendations on grounding DIH rotors.

▸ = *TTS and DIH Advanced Features detailed on pages 162 and 164*

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
G990 = Full Circle	**C** = Check-O-Matic* **D** = Decoder Valve-In-Head **DD** = Two-station Decoder Valve-In-Head **E** = Electric Valve-In-Head	**25 to 73** = Installed G990 Nozzle*	**P8** = 80 PSI (nozzles 25 to 53) **P1** = 100 PSI (nozzles 53 to 73) **P2** = 120 PSI (nozzle 73)	**S** = SSU*
G995 = Adjustable Arc 40° - 360°	**C** = Check-O-Matic* **D** = Decoder Valve-In-Head **DD** = Two-station Decoder Valve-In-Head **E** = Electric Valve-In-Head ** Converts to N.O. Hydraulic Valve-In-Head*	**25 to 73** = Installed G995 Nozzle* ** SSU = #25 or #53*	**P8** = 80 PSI (nozzles 25 to 53) **P1** = 100 PSI (nozzles 53 to 73) **P2** = 120 PSI (nozzle 73) ** SSU = P8/#25 P8/#53*	**S** = 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 bar	Pressure kPa	Radius** m	Flow m³/hr	Flow l/min	Precip mm/hr ■	Precip mm/hr ▲
25 Lt. Blue	5.5	550	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	690	23.2	7.79	129.8	14.5	16.8
	7.6	760	23.8	8.29	138.2	14.7	16.9
	8.3	830	24.1	8.72	145.4	15.0	17.4
33 Grey	5.5	550	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	690	24.4	9.22	153.7	15.5	17.9
	7.6	760	24.7	9.70	161.6	15.9	18.4
	8.3	830	25.0	10.20	170.0	16.3	18.9
38 Red	5.5	550	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	690	25.3	10.29	171.4	16.1	18.6
	7.6	760	25.9	10.84	180.6	16.1	18.6
	8.3	830	26.2	11.40	190.0	16.6	19.2
43 Dk. Brown	5.5	550	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	690	25.9	11.56	192.7	17.2	19.9
	7.6	760	26.2	12.13	202.1	17.7	20.4
	8.3	830	26.5	12.70	211.6	18.1	20.8
48 Dk. Green	5.5	550	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	690	27.4	12.45	207.4	16.5	19.1
	7.6	760	27.7	13.02	216.9	16.9	19.5
	8.3	830	28.0	13.52	225.2	17.2	19.8
53 Dk. Blue	5.5	550	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	690	28.0	13.45	224.1	17.1	19.7
	7.6	760	28.3	14.02	233.6	17.4	20.1
	8.3	830	28.7	14.58	243.0	17.8	20.5
63 Black	5.5	550	28.0	14.36	23.92	18.3	21.1
	6.2	620	28.7	14.97	249.5	18.2	21.1
	6.9	690	29.3	15.76	265.7	18.4	21.3
	7.6	760	29.6	16.36	272.5	18.7	21.6
	8.3	830	29.9	17.01	283.5	19.1	22.0
73 Orange	5.5	550	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	690	30.2	17.67	297.5	19.4	22.4
	7.6	760	31.1	18.29	304.7	18.9	21.8
	8.3	830	31.4	18.92	315.3	19.2	22.2

G995 NOZZLE PERFORMANCE DATA*

Nozzle	Pressure bar	Pressure kPa	Radius** m	Flow m³/hr	Flow l/min	Precip mm/hr ■	Precip mm/hr ▲
25 Lt. Blue	5.5	550	20.1	6.70	111.7	16.6	19.1
	6.2	620	20.4	7.16	119.2	17.2	19.8
	6.9	690	20.7	7.54	125.7	17.6	20.3
	7.6	760	21.0	8.09	134.8	18.3	21.1
	8.3	830	21.0	8.52	142.0	19.3	22.2
33 Grey	5.5	550	20.7	8.22	137.0	19.1	22.1
	6.2	620	21.0	8.68	144.6	19.6	22.7
	6.9	690	21.3	9.18	152.9	20.2	23.3
	7.6	760	21.6	9.68	161.3	20.7	23.9
	8.3	830	21.9	10.18	169.6	21.1	24.4
38 Red	5.5	550	21.9	9.22	153.7	19.1	22.1
	6.2	620	22.3	9.77	162.8	19.7	22.8
	6.9	690	22.9	10.31	171.9	19.7	22.8
	7.6	760	23.2	10.81	180.2	20.1	23.3
	8.3	830	23.5	11.36	189.3	20.6	23.8
43 Dk. Brown	5.5	550	22.6	10.47	174.5	20.6	23.8
	6.2	620	22.6	11.02	183.6	21.7	25.0
	6.9	690	22.9	11.52	191.9	22.0	25.4
	7.6	760	23.5	12.13	202.1	22.0	25.4
	8.3	830	23.8	12.65	210.8	22.4	25.8
48 Dk. Green	5.5	550	23.5	11.40	190.0	20.7	23.9
	6.2	620	24.1	11.95	199.1	20.6	23.8
	6.9	690	24.7	12.52	208.6	20.5	23.7
	7.6	760	25.0	13.06	217.7	20.9	24.1
	8.3	830	25.3	13.74	229.0	21.5	24.8
53 Dk. Blue	5.5	550	24.7	12.47	207.8	20.5	23.6
	6.2	620	25.6	12.99	216.5	19.8	22.9
	6.9	690	26.2	13.52	225.2	19.7	22.7
	7.6	760	26.5	14.11	235.1	20.1	23.2
	8.3	830	26.8	14.63	243.8	20.3	23.5
63 Black	5.5	550	26.2	14.15	235.8	20.6	23.8
	6.2	620	26.8	14.88	247.9	20.7	23.9
	6.9	690	27.4	15.67	261.2	20.8	24.0
	7.6	760	27.7	16.33	272.2	21.2	24.5
	8.3	830	28.0	16.97	282.8	21.6	24.9
73 Orange	5.5	550	27.1	16.51	275.2	22.4	25.9
	6.2	620	27.7	17.13	285.4	22.3	25.7
	6.9	690	28.3	17.74	295.6	22.1	25.5
	7.6	760	29.0	18.38	306.2	21.9	25.3
	8.3	830	29.6	19.04	317.2	21.8	25.1

* Complies to ASAE standard. All precipitation rates calculated for 360° operation. All triangular rates are equilateral. To calculate precipitation rates for 180° operation, multiply by 2.

G900 NOZZLES

G990 & G995

G900 LOW-ANGLE NOZZLES

G990 & G995**

** Low-angle nozzles reduce radius by 15%

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.

GOLF ROTORS

G800 SERIES

Model: **G880**
Radius: **20.4 to 26.8 m**
Flow: **5.11 to 13.15 m³/hr; 85.2 to 219.2 l/min**

FEATURES

- Model: G880 – Full circle
- Nozzle choices: 7 standard trajectory (25°)
- Nozzle range: #23 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 m³/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, 210 mA (370 mA inrush) 50Hz; 190 mA (350 mA inrush) 60Hz solenoid with captive plunger and internal downstream bleed

* All DIH rotors include two IBM DBRY-6 splices for connection to the 2-wire path. See page 193 for critical recommendations on grounding DIH rotors.

▸ = *TTS and DIH Advanced Features detailed on pages 162 and 164*

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
G880 = Full Circle	**C** = Check-O-Matic* **D** = Decoder Valve-In-Head **DD** = Two-station Decoder Valve-In-Head **E** = Electric Valve-In-Head ** Converts to N.O. Hydraulic Valve-In-Head*	**23 to 53** = Installed G880 Nozzle* ** SSU = #23, #25 or #48*	**P6** = 65 PSI (nozzles 23 and 25) **P8** = 80 PSI (nozzles 23 to 53) ** SSU = P6/#23, P6/#25 P8/#25, P8/#48*	**S** = 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	Flow		Precip mm/hr	
	Bar	kPa	m	m³/hr	l/min	■	▲
23 ● Green	4.5	450	20.4	5.11	85.2	12.3	14.1
	4.8	480	21.0	5.43	90.5	12.3	14.2
	5.5	550	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	690	22.3	6.77	112.8	13.7	15.8
25 ● Blue	4.5	450	21.6	6.54	109.0	14.0	16.1
	4.8	480	22.3	6.79	113.2	13.7	15.8
	5.5	550	22.6	7.29	121.5	14.3	16.5
	6.2	620	22.9	7.79	129.8	14.9	17.2
	6.9	690	23.2	8.18	136.3	15.2	17.6
33 ● Grey	4.5	450	22.3	7.04	117.3	14.2	16.4
	4.8	480	22.6	7.31	121.9	14.4	16.6
	5.5	550	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	690	23.8	8.81	146.9	15.6	18.0
38 ● Red	4.5	450	23.2	7.97	132.9	14.9	17.2
	4.8	480	23.5	8.25	137.4	15.0	17.3
	5.5	550	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	690	24.7	9.75	162.4	16.0	18.5
43 ● Dk. Brown	4.5	450	23.8	8.90	148.4	15.8	18.2
	4.8	480	24.1	9.27	154.4	16.0	18.5
	5.5	550	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	690	25.6	11.09	184.7	16.9	19.5
48 ● Dk. Green	4.5	450	25.0	9.95	165.8	15.9	18.4
	4.8	480	25.3	10.52	175.3	16.4	19.0
	5.5	550	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	690	26.5	12.36	205.9	17.6	20.3
53 ● Dk. Blue	4.5	450	25.3	10.65	177.5	16.6	19.2
	4.8	480	25.6	11.15	185.9	17.0	19.6
	5.5	550	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	690	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.

G880 NOZZLES

TTS EQUALS CONVENIENCE AND VERSATILITY

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

GOLF ROTORS

G800 SERIES

Model: **G884**
Radius: **14.9 to 28.3 m**
Flow: **3.28 to 13.24 m³/hr; 54.6 to 220.6 l/min**

FEATURES

- Model: G884 – Full circle
- Dual trajectory colour-coded nozzles:
  - 10 standard trajectory (22.5°)
  - 9 low-angle trajectory (15°)
- Nozzle range: #15 to #53
- Exclusive PressurePort™ nozzle technology
- Stainless steel riser
- Water lubricated gear-drive
- ▸ All TTS advanced features
- ▸ Decoder-In-Head (DIH) capable

OPERATING SPECIFICATIONS

- Radius: 14.9 to 28.3 m
- Flow: 3.28 to 13.24 m³/hr; 54.6 to 220.6 l/min
- Pressure range: 3.4 to 6.9 bar; 340 to 690 kPa
- All TTS rotors are pressure rated at 10 bar; 1000 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, 210 mA (370 mA inrush) 50Hz; 190 mA (350 mA inrush) 60Hz solenoid with captive plunger and internal downstream bleed

* All DIH rotors include two IBM DBRY-6 splices for connection to the 2-wire path. See page 193 for critical recommendations on grounding DIH rotors.

▸ = *TTS and DIH Advanced Features detailed on pages 162 and 164*

G884C
Pop-up height: 9.5 cm
Overall height: 30 cm
Flange diameter: 18 cm
Female Inlet: 1½" ACME

G884E
Pop-up height: 9.5 cm
Overall height: 30 cm
Flange diameter: 18 cm
Female Inlet: 1½" ACME

G884 – SPECIFICATION BUILDER: ORDER 1 + 2 + 3 + 4 + 5

1 Model	2 Valve Options	3 Nozzle	4 Regulation*	5 Options
G884 = Full Circle (convertible to forward-facing adjustable arc rotor)	**C** = Check-O-Matic*	**15 to 53** = Installed G880 Nozzle*	**P5** = 50 PSI (nozzles 15 to 18)	**S** = SSU*
	D = Decoder Valve-In-Head		**P6** = 65 PSI (nozzles 18 to 25)	
	DD = Two-station Decoder Valve-In-Head		**P8** = 80 PSI (nozzles 25 to 35)	
	E = Electric Valve-In-Head			
	** Converts to N.O. Hydraulic Valve-In-Head*	** SSU = #18, #23, #25 or #48*	** SSU = P5/#18, P6/#23 P8/#25, P8/#48*	** Standard Stocking Unit*

Example:
G884 - E - 48 - P8 - S = G884 full circle electric valve-in-head, installed #48 nozzle, 80 PSI regulation, standard stocking unit model

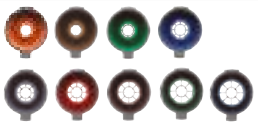
G884 NOZZLE PERFORMANCE DATA*

Nozzle Set			Pressure		Radius	Flow		Precip mm/hr	
			bar	kPa	m	m³/hr	l/min	■	▲
● Tan		● Grey	3.4	340	14.9	3.28	54.6	14.7	17.0
			4.1	410	15.5	3.65	60.8	15.1	17.4
	15		4.5	450	15.9	3.81	63.5	15.2	17.5
			4.8	480	16.2	3.90	65.1	15.0	17.3
803611	White	315317	5.5	550	16.8	4.13	68.9	14.7	17.0
● Tan		● Grey	3.4	340	16.8	3.97	66.1	14.1	16.3
			4.1	410	17.1	4.28	71.3	14.7	17.0
	18		4.5	450	17.4	4.45	74.1	14.7	17.0
			4.8	480	18.0	4.66	77.6	14.4	16.6
803611	Orange	315317	5.5	550	18.6	4.94	82.4	14.3	16.5
● Tan		● Grey	3.4	340	17.4	3.91	65.2	13.0	15.0
			4.1	410	18.6	4.28	71.3	12.4	14.3
	20		4.5	450	18.9	4.47	74.4	12.5	14.4
			4.8	480	19.2	4.67	77.9	12.7	14.6
803611	Brown	315317	5.5	550	19.5	5.02	83.6	13.2	15.2
● Tan		● Lt. Blue	3.4	340	19.2	4.49	74.8	12.2	14.1
			4.1	410	19.8	4.99	83.2	12.7	14.7
	23		4.5	450	20.1	5.19	86.5	12.8	14.8
			4.8	480	20.4	5.41	90.1	13.0	15.0
803611	Green	315311	5.5	550	20.4	5.81	96.9	13.9	16.1
● Tan		● Lt. Blue	4.5	450	21.6	6.50	108.3	13.9	16.0
			4.8	480	22.3	6.75	112.5	13.6	15.7
	25		5.5	550	22.6	7.19	119.8	14.1	16.3
			6.2	620	22.9	7.65	127.5	14.6	16.9
803611	Blue	315311	6.9	690	22.9	8.12	135.3	15.5	17.9
● Tan		● Lt. Blue	4.5	450	22.3	7.02	117.0	14.2	16.4
			4.8	480	22.9	7.30	121.7	14.0	16.1
	33		5.5	550	23.2	7.81	130.1	14.6	16.8
			6.2	620	23.5	8.24	137.3	15.0	17.3
803611	Grey	315311	6.9	690	24.1	8.65	144.1	14.9	17.2
● Tan		● Lt. Blue	4.5	450	22.9	7.96	132.6	15.2	17.6
			4.8	480	23.2	8.29	138.1	15.4	17.8
	38		5.5	550	23.8	8.85	147.5	15.7	18.1
			6.2	620	24.1	9.38	156.3	16.2	18.7
803611	Red	315311	6.9	690	25.0	9.87	164.4	15.8	18.2
● Tan		● Blue	-	-	-	-	-	-	-
			-	-	-	-	-	-	-
	43		5.5	550	25.3	9.85	164.1	15.4	17.8
			6.2	620	25.9	10.52	175.3	15.7	18.1
803611	Dk. Brown	315300	6.9	690	26.5	11.04	183.9	15.7	18.1
● Dk. Brown		● Dk. Blue	-	-	-	-	-	-	-
			-	-	-	-	-	-	-
	48		5.5	550	25.9	10.88	181.2	16.2	18.7
			6.2	620	27.1	11.46	191.0	15.6	18.0
803610	Dk. Green	833500	6.9	690	27.7	12.08	201.4	15.7	18.1
● Dk. Brown		● Dk. Blue	-	-	-	-	-	-	-
			-	-	-	-	-	-	-
	53		5.5	550	27.1	11.86	197.7	16.1	18.6
			6.2	620	27.7	12.58	209.6	16.3	18.9
803610	Dk. Blue	833500	6.9	690	28.3	13.24	220.6	16.5	19.0

* Preliminary performance data. Complies to ASAE standard. All precipitation rates calculated for 360° operation. All triangular rates are equilateral. To calculate precipitation rates for 180° operation, multiply by 2.

G884 STANDARD NOZZLES

G884 LOW-ANGLE NOZZLES**



** Low-angle nozzles reduce radius by 15%

G885 Decoder-In-Head TTS Rotor

G885 TTS Rotor Spacious TTS Flange Compartment

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

GOLF ROTORS

G800 SERIES

Model: **G885**
Radius: **13.1 to 27.7 m**
Flow: **1.86 to 13.06 m³/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

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

OPERATING SPECIFICATIONS

- Radius: 13.1 to 27.7 m
- Flow: 1.86 to 13.06 m³/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, 210 mA (370 mA inrush) 50Hz; 190 mA (350 mA inrush) 60Hz solenoid with captive plunger and internal downstream bleed

* All DIH rotors include two IBM DBRY-6 splices for connection to the 2-wire path. See page 193 for critical recommendations on grounding DIH rotors.

▸ = *TTS and DIH Advanced Features detailed on pages 162 and 164*

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

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

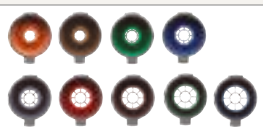
Nozzle Set			Pressure		Radius	Flow		Precip mm/hr	
			bar	kPa	m	m³/hr	l/min	■	▲
Orange	Dk. Green		3.4	340	13.1	1.86	31.0	10.8	12.5
			4.1	410	13.4	2.23	37.1	12.4	14.3
803603	10	315312	4.5	450	13.7	2.29	38.2	12.2	14.1
			-	-	-	-	-	-	-
●	Lt. Green	●	-	-	-	-	-	-	-
Orange	White		3.4	340	14.6	2.66	44.3	12.4	14.3
			4.1	410	15.2	2.91	48.5	12.5	14.5
803603	13	315314	4.5	450	15.5	3.04	50.7	12.6	14.5
			-	-	-	-	-	-	-
●	Lt. Blue	●	-	-	-	-	-	-	-
Orange	White		3.4	340	15.9	3.02	50.3	12.0	13.9
			4.1	410	16.2	3.34	55.6	12.8	14.8
803603	15	315314	4.5	450	16.5	3.45	57.5	12.7	14.7
			-	-	-	-	-	-	-
●	White	●	-	-	-	-	-	-	-
Orange	Lt. Green		3.4	340	16.8	3.79	63.2	13.5	15.6
			4.1	410	17.4	4.04	67.4	13.4	15.5
803603	18	315313	4.5	450	17.7	4.13	68.9	13.2	15.3
			-	-	-	-	-	-	-
●	Orange	●	-	-	-	-	-	-	-
Orange	Lt. Green		3.4	340	17.7	4.18	69.7	13.4	15.4
			4.1	410	18.3	4.45	74.2	13.3	15.4
			4.5	450	18.6	4.66	77.6	13.5	15.6
803603	20	315313	4.8	480	18.6	4.88	81.4	14.1	16.3
●	Tan	●	5.5	550	18.9	5.13	85.6	14.4	16.6
Orange	Lt. Green		3.4	340	18.6	4.78	79.6	13.8	16.0
			4.1	410	19.2	5.18	86.3	14.0	16.2
			4.5	450	19.8	5.43	90.5	13.8	16.0
803603	23	315313	4.8	480	20.1	5.86	97.7	14.5	16.7
●	Green	●	5.5	550	20.4	6.34	105.6	15.2	17.5
Red	Green		4.5	450	21.0	6.68	111.3	15.1	17.4
			4.8	480	21.3	6.92	115.3	15.2	17.6
			5.5	550	21.6	7.37	122.8	15.7	18.2
803602	25	315310	6.2	620	21.9	7.77	129.5	16.1	18.6
●	Blue	●	6.9	690	22.3	8.25	137.4	16.7	19.2
Red	Green		-	-	-	-	-	-	-
			-	-	-	-	-	-	-
			5.5	550	22.3	7.83	130.4	15.8	18.3
803602	33	315310	6.2	620	22.6	8.34	138.9	16.4	18.9
●	Grey	●	6.9	690	23.2	8.75	145.7	16.3	18.8
Red	Green		-	-	-	-	-	-	-
			-	-	-	-	-	-	-
			5.5	550	24.1	8.94	149.0	15.4	17.8
803602	38	315310	6.2	620	24.1	9.36	156.0	16.1	18.6
●	Red	●	6.9	690	24.4	9.75	162.4	16.4	18.9
Red	Green		-	-	-	-	-	-	-
			-	-	-	-	-	-	-
			5.5	550	24.4	9.88	164.7	16.6	19.2
803602	43	315310	6.2	620	24.7	10.54	175.6	17.3	20.0
●	Dk. Brown	●	6.9	690	25.3	11.06	184.3	17.3	20.0
Dk. Red	Dk. Green		-	-	-	-	-	-	-
			-	-	-	-	-	-	-
			5.5	550	25.9	11.20	186.6	16.7	19.3
803601	48	315312	6.2	620	26.2	11.86	197.6	17.3	19.9
●	Dk. Green	●	6.9	690	26.8	12.43	207.1	17.3	19.9
Dk. Red	Dk. Green		-	-	-	-	-	-	-
			-	-	-	-	-	-	-
			5.5	550	27.1	11.98	199.7	16.3	18.8
803601	53	315312	6.2	620	27.4	12.54	209.0	16.7	19.2
●	Dk. Blue	●	6.9	690	27.7	13.06	217.7	17.0	19.6

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

* Complies to ASAE standard. All precipitation rates calculated for 360° operation. All triangular rates are equilateral. To calculate precipitation rates for 180° operation, multiply by 2.

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

			4.5 Bar		5.5 Bar	
P/N	Colour	Profile	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 m³/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 m³/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, 210 mA (370 mA inrush) 50Hz; 190 mA (350 mA inrush) 60Hz solenoid with captive plunger and internal downstream bleed

* All DIH rotors include two IBM DBRY-6 splices for connection to the 2-wire path. See page 193 for critical recommendations on grounding DIH rotors.

▸ = *TTS and DIH Advanced Features detailed on pages 162 and 164*

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
G835 = Full/Part Circle 50 to 360°	**C** = Check-O-Matic * **D** = Decoder Valve-in-Head **E** = Electric Valve-in-Head ** Converts to N.O. Hydraulic Valve-in-Head*	**6** = Installed G835 Nozzle * includes 8-nozzle rack ** SSU = #6*	**P5** = 50 PSI **P6** = 65 PSI ** SSU = P5*	**S** = SSU * ** Standard Stocking Unit*

Examples:
G835E - 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	Flow		Precip mm/hr	
	bar	kPa	m	m³/hr	l/min	■	▲
2 Yellow	2.8	280	5.5	0.43	7.2	14.3	16.6
	3.4	340	6.1	0.48	7.9	12.8	14.8
	4.1	410	6.7	0.55	9.1	12.1	14.0
	4.5	450	7.0	0.59	9.8	12.0	13.9
3 Yellow	2.8	280	7.0	0.68	11.4	13.9	16.0
	3.4	340	7.6	0.73	21.1	12.5	14.5
	4.1	410	8.2	0.80	13.2	11.7	13.6
	4.5	450	8.5	0.82	13.6	11.2	13.0
4 Yellow	2.8	280	7.6	0.89	14.8	15.3	17.6
	3.4	340	8.5	0.93	15.5	12.8	14.8
	4.1	410	9.1	1.00	16.7	12.0	13.8
	4.5	450	9.4	1.04	17.4	11.7	13.5
5 Yellow	2.8	280	8.8	1.07	17.8	13.7	15.8
	3.4	340	9.8	1.14	18.9	11.9	13.8
	4.1	410	10.1	1.20	20.1	11.9	13.7
	4.5	450	10.7	1.23	20.4	10.8	12.4
6 Yellow	2.8	280	9.8	1.36	22.7	14.3	16.5
	3.4	340	10.7	1.43	23.8	12.6	14.5
	4.1	410	11.3	1.50	25.0	11.8	13.6
	4.5	450	11.9	1.54	25.7	10.9	12.6
8 Yellow	2.8	280	11.0	1.77	29.5	14.7	17.0
	3.4	340	11.9	1.82	30.3	12.9	14.8
	4.1	410	12.8	1.89	31.4	11.5	13.3
	4.5	450	13.1	1.93	32.2	11.2	13.0
10 Yellow	2.8	280	11.9	2.20	36.7	15.6	18.0
	3.4	340	13.1	2.29	38.2	13.4	15.4
	4.1	410	13.7	2.34	39.0	12.4	14.4
	4.5	450	14.3	2.39	39.7	11.6	13.4
12 Yellow	2.8	280	13.4	2.73	45.4	15.2	17.5
	3.4	340	14.3	2.77	46.2	13.5	15.6
	4.1	410	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

QuickSet-360

With Hunter's QuickCheck arc mechanism and patented QuickSet-360 non-reversing full-circle feature in a variable arc rotor, adjustments are fast, easy and more flexible than ever before. Now available on all B Series and G800 Series adjustable arc rotors.

B SERIES

Models: **G80B**
Radius: **20.4 to 26.8 m**
Flow: **5.11 to 13.15 m³/hr; 85.2 to 219.2 l/min**

FEATURES

- Full circle opposing nozzles
- Colour-coded nozzles: 7 standard trajectory (25°)
- Nozzle range: #23 to #53
- Exclusive PressurePort™ nozzle technology
- Water lubricated gear-drives
- Check height up to 3 m in elevation change

OPERATING SPECIFICATIONS

- Radius: 20.4 to 26.8 m
- Flow: 5.11 to 13.15 m³/hr; 85.2 to 219.2 l/min
- Pressure range: 4.5 to 6.9 bar; 450 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: 1¼" ACME

G80B – SPECIFICATION BUILDER: ORDER 1 + 2 + 3 + 4

1 Model	2 Valve Options	3 Nozzle	4 Options*
G80 = Full Circle	**B** = Block rotor with check valve	**23 to 53** = Installed G80 Nozzle* ** SSU = #23, #25 or #48*	**S** = 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	Flow		Precip mm/hr	
	bar	kPa	m	m³/hr	l/min	■	▲
23 ● Green	4.5	450	20.4	5.11	85.2	12.3	14.1
	4.8	480	21.0	5.43	90.5	12.3	14.2
	5.5	550	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	690	22.3	6.77	112.8	13.7	15.8
25 ● Blue	4.5	450	21.6	6.54	109.0	14.0	16.1
	4.8	480	22.3	6.79	113.2	13.7	15.8
	5.5	550	22.6	7.29	121.5	14.3	16.5
	6.2	620	22.9	7.79	129.8	14.9	17.2
	6.9	690	23.2	8.18	136.3	15.2	17.6
33 ● Grey	4.5	450	22.3	7.04	117.3	14.2	16.4
	4.8	480	22.6	7.31	121.9	14.4	16.6
	5.5	550	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	690	23.8	8.81	146.9	15.6	18.0
38 ● Red	4.5	450	23.2	7.97	132.9	14.9	17.2
	4.8	480	23.5	8.25	137.4	15.0	17.3
	5.5	550	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	690	24.7	9.75	162.4	16.0	18.5
43 ● Dk. Brown	4.5	450	23.8	8.90	148.4	15.8	18.2
	4.8	480	24.1	9.27	154.4	16.0	18.5
	5.5	550	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	690	25.6	11.09	184.7	16.9	19.5
48 ● Dk. Green	4.5	450	25.0	9.95	165.8	15.9	18.4
	4.8	480	25.3	10.52	175.3	16.4	19.0
	5.5	550	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	690	26.5	12.36	205.9	17.6	20.3
53 ● Dk. Blue	4.5	450	25.3	10.65	177.5	16.6	19.2
	4.8	480	25.6	11.15	185.9	17.0	19.6
	5.5	550	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	690	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

G80B

B SERIES

Models: **G84B & G85B**
Radius: **13.1 to 28.3 m**
Flow: **1.86 to 13.24 m³/hr; 31.0 to 220.6 l/min**

FEATURES

- Models:
  - G84B: 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:
  - G84B: 10 standard trajectory (22.5°)
  - G85B: 12 standard trajectory (22.5°)
- G84B & G85B: 9 low-angle trajectory (15°)
- Nozzle range:
  - G84B: #15 to #53
  - G85B: #10 to #53
- Exclusive PressurePort™ nozzle technology
- Contour "Back-Nozzle" capabilities (G85B)
- Ratcheting stainless steel riser
- Water lubricated gear-drives
- Check height up to 3 m in elevation change

OPERATING SPECIFICATIONS

- G84B
  - Radius: 14.9 to 28.3 m
  - Flow: 3.28 to 13.24 m³/hr; 54.6 to 220.6 l/min
  - Pressure range: 3.4 to 6.9 bar; 340 to 690 kPa
- G85B
  - Radius: 13.1 to 27.7 m
  - Flow: 1.86 to 13.06 m³/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

G84B
Pop-up height: 9.5 cm
Overall height: 24.5 cm
Flange diameter: 13.7 cm
Female Inlet: 1¼" ACME

G85B
Pop-up height: 9.5 cm
Overall height: 24.5 cm
Flange diameter: 13.7 cm
Female Inlet: 1¼" ACME

G84B & G85B – SPECIFICATION BUILDER: ORDER 1 + 2 + 3 + 4

1 Model	2 Valve Options	3 Nozzle	4 Options*
G84 = Full Circle	**B** = Block rotor with check valve	**15 to 53** = Installed G84 Nozzle* ** SSU = #18, #25 & #48*	**S** = SSU* ** Standard Stocking Unit*
G85 = Full/Part Circle 60° - 360°	**B** = Block rotor with check valve	**10 to 53** = Installed G85 Nozzle** *** SSU = #18, #25 & #48*	**S** = SSU* ** Standard Stocking Unit*

Example:
G84 - B - 25 - S = G80 full circle block rotor, installed #25 nozzle, standard stocking unit model

G84B NOZZLE PERFORMANCE DATA*

Nozzle Set			Pressure		Radius	Flow		Precip mm/hr	
			bar	kPa	m	m³/hr	l/min	■	▲
● Tan 803611	15	● Grey 315317	3.4	340	14.9	3.28	54.6	14.7	17.0
	White		4.1	410	15.5	3.65	60.8	15.1	17.4
			4.5	450	15.9	3.81	63.5	15.2	17.5
			4.8	480	16.2	3.90	65.1	15.0	17.3
			5.5	550	16.8	4.13	68.9	14.7	17.0
● Tan 803611	18	● Grey 315317	3.4	340	16.8	3.97	66.1	14.1	16.3
	Orange		4.1	410	17.1	4.28	71.3	14.7	17.0
			4.5	450	17.4	4.45	74.1	14.7	17.0
			4.8	480	18.0	4.66	77.6	14.4	16.6
			5.5	550	18.6	4.94	82.4	14.3	16.5
● Tan 803611	20	● Grey 315317	3.4	340	17.4	3.91	65.2	13.0	15.0
	Brown		4.1	410	18.6	4.28	71.3	12.4	14.3
			4.5	450	18.9	4.47	74.4	12.5	14.4
			4.8	480	19.2	4.67	77.9	12.7	14.6
			5.5	550	19.5	5.02	83.6	13.2	15.2
● Tan 803611	23	● Lt. Blue 315311	3.4	340	19.2	4.49	74.8	12.2	14.1
	Green		4.1	410	19.8	4.99	83.2	12.7	14.7
			4.5	450	20.1	5.19	86.5	12.8	14.8
			4.8	480	20.4	5.41	90.1	13.0	15.0
			5.5	550	20.4	5.81	96.9	13.9	16.1
● Tan 803611	25	● Lt. Blue 315311	4.5	450	21.6	6.50	108.3	13.9	16.0
	Blue		4.8	480	22.3	6.75	112.5	13.6	15.7
			5.5	550	22.6	7.19	119.8	14.1	16.3
			6.2	620	22.9	7.65	127.5	14.6	16.9
			6.9	690	22.9	8.12	135.3	15.5	17.9
● Tan 803611	33	● Lt. Blue 315311	4.5	450	22.3	7.02	117.0	14.2	16.4
	Grey		4.8	480	22.9	7.30	121.7	14.0	16.1
			5.5	550	23.2	7.81	130.1	14.6	16.8
			6.2	620	23.5	8.24	137.3	15.0	17.3
			6.9	690	24.1	8.65	144.1	14.9	17.2
● Tan 803611	38	● Lt. Blue 315311	4.5	450	22.9	7.96	132.6	15.2	17.6
	Red		4.8	480	23.2	8.29	138.1	15.4	17.8
			5.5	550	23.8	8.85	147.5	15.7	18.1
			6.2	620	24.1	9.38	156.3	16.2	18.7
			6.9	690	25.0	9.87	164.4	15.8	18.2
● Tan 803611	43	● Blue 315300	-	-	-	-	-	-	-
	Dk. Brown		-	-	-	-	-	-	-
			5.5	550	25.3	9.85	164.1	15.4	17.8
			6.2	620	25.9	10.52	175.3	15.7	18.1
			6.9	690	26.5	11.04	183.9	15.7	18.1
● Dk. Brown 803610	48	● Dk. Blue 833500	-	-	-	-	-	-	-
	Dk. Green		-	-	-	-	-	-	-
			5.5	550	25.9	10.88	181.2	16.2	18.7
			6.2	620	27.1	11.46	191.0	15.6	18.0
			6.9	690	27.7	12.08	201.4	15.7	18.1
● Dk. Brown 803610	53	● Dk. Blue 833500	-	-	-	-	-	-	-
	Dk. Blue		-	-	-	-	-	-	-
			5.5	550	27.1	11.86	197.7	16.1	18.6
			6.2	620	27.7	12.58	209.6	16.3	18.9
			6.9	690	28.3	13.24	220.6	16.5	19.0

G85B NOZZLE PERFORMANCE DATA

Nozzle Set			Pressure		Radius	Flow		Precip mm/hr	
			bar	kPa	m	m³/hr	l/min	■	▲
Orange 803603	10	Dk. Green 315312	3.4	340	13.1	1.86	31.0	10.8	12.5
			4.1	410	13.4	2.23	37.1	12.4	14.3
			4.5	450	13.7	2.29	38.2	12.2	14.1
			-	-	-	-	-	-	-
●	Lt. Green	●	-	-	-	-	-	-	-
Orange 803603	13	White 315314	3.4	340	14.6	2.66	44.3	12.4	14.3
			4.1	410	15.2	2.91	48.5	12.5	14.5
			4.5	450	15.5	3.04	50.7	12.6	14.5
			-	-	-	-	-	-	-
●	Lt. Blue	●	-	-	-	-	-	-	-
Orange 803603	15	White 315314	3.4	340	15.9	3.02	50.3	12.0	13.9
			4.1	410	16.2	3.34	55.6	12.8	14.8
			4.5	450	16.5	3.45	57.5	12.7	14.7
			-	-	-	-	-	-	-
●	White	●	-	-	-	-	-	-	-
Orange 803603	18	Lt. Green 315313	3.4	340	16.8	3.79	63.2	13.5	15.6
			4.1	410	17.4	4.04	67.4	13.4	15.5
			4.5	450	17.7	4.13	68.9	13.2	15.3
			-	-	-	-	-	-	-
●	Orange	●	-	-	-	-	-	-	-
Orange 803603	20	Lt. Green 315313	3.4	340	17.7	4.18	69.7	13.4	15.4
			4.1	410	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	480	18.6	4.88	81.4	14.1	16.3
●	Tan	●	5.5	550	18.9	5.13	85.6	14.4	16.6
Orange 803603	23	Lt. Green 315313	3.4	340	18.6	4.78	79.6	13.8	16.0
			4.1	410	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	480	20.1	5.86	97.7	14.5	16.7
●	Green	●	5.5	550	20.4	6.34	105.6	15.2	17.5
Red 803602	25	Green 315310	4.5	450	21.0	6.68	111.3	15.1	17.4
			4.8	480	21.3	6.92	115.3	15.2	17.6
			5.5	550	21.6	7.37	122.8	15.7	18.2
			6.2	620	21.9	7.77	129.5	16.1	18.6
●	Blue	●	6.9	690	22.3	8.25	137.4	16.7	19.2
Red 803602	33	Green 315310	-	-	-	-	-	-	-
			-	-	-	-	-	-	-
			5.5	550	22.3	7.83	130.4	15.8	18.3
			6.2	620	22.6	8.34	138.9	16.4	18.9
●	Grey	●	6.9	690	23.2	8.75	145.7	16.3	18.8
Red 803602	38	Green 315310	-	-	-	-	-	-	-
			-	-	-	-	-	-	-
			5.5	550	24.1	8.94	149.0	15.4	17.8
			6.2	620	24.1	9.36	156.0	16.1	18.6
●	Red	●	6.9	690	24.4	9.75	162.4	16.4	18.9
Red 803602	43	Green 315310	-	-	-	-	-	-	-
			-	-	-	-	-	-	-
			5.5	550	24.4	9.88	164.7	16.6	19.2
			6.2	620	24.7	10.54	175.6	17.3	20.0
●	Dk. Brown	●	6.9	690	25.3	11.06	184.3	17.3	20.0
Dk. Red 803601	48	Dk. Green 315312	-	-	-	-	-	-	-
			-	-	-	-	-	-	-
			5.5	550	25.9	11.20	186.6	16.7	19.3
			6.2	620	26.2	11.86	197.6	17.3	19.9
●	Dk. Green	●	6.9	690	26.8	12.43	207.1	17.3	19.9
Dk. Red 803601	53	Dk. Green 315312	-	-	-	-	-	-	-
			-	-	-	-	-	-	-
			5.5	550	27.1	11.98	199.7	16.3	18.8
			6.2	620	27.4	12.54	209.0	16.7	19.2
●	Dk. Blue	●	6.9	690	27.7	13.06	217.7	17.0	19.6

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

* Preliminary performance data.

G84B NOZZLES

G85B NOZZLES

LOW-ANGLE NOZZLES**

** Low-angle nozzles reduce radius by 15%

GOLF ROTORS

B SERIES

Models: **G70B & G75B**
Radius: **14.3 to 22.9 m**
Flow: **1.75 to 7.66 m³/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 m³/hr; 49.2 to 127.6 l/min
  - Pressure range: 3.4 to 6.9 bar; 340 to 690 kPa
- G75B
  - Radius: 14.3 to 21.6 m
  - Discharge rate: 1.75 to 7.34 m³/hr; 29.1 to 122.3 l/m
  - Pressure range: 2.8 to 6.9 bar; 280 to 690 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: 1¼" ACME

G75B
Pop-up height: 8 cm
Overall height: 23 cm
Flange diameter: 12cm
Female Inlet: 1¼" ACME

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

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

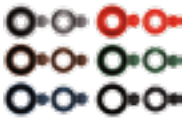
Nozzle	Pressure bar	Pressure kPa	Radius m	Flow m³/hr	Flow l/min	Precip mm/hr ■	Precip mm/hr ▲
15 ● Grey	3.4	340	16.2	2.95	49.2	11.3	13.1
	4.1	410	16.5	3.20	53.4	11.8	13.7
	4.5	450	16.8	3.36	56.0	12.0	13.8
	4.8	480	17.1	3.52	58.7	12.1	14.0
	5.5	550	17.7	3.70	61.7	11.8	13.7
18 ● Red	3.4	340	17.7	3.23	53.8	10.3	11.9
	4.1	410	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	480	18.3	3.84	64.0	11.5	13.3
	5.5	550	18.6	4.04	67.4	11.7	13.5
20 ● Dk. Brown	3.4	340	18.6	4.27	71.2	12.4	14.3
	4.1	410	18.9	4.45	74.2	12.5	14.4
	4.5	450	19.2	4.66	77.6	12.6	14.6
	4.8	480	19.5	5.00	83.3	13.1	15.2
	5.5	550	19.5	5.32	88.6	14.0	16.1
23 ● Dk. Green	3.4	340	19.2	4.57	76.1	12.4	14.3
	4.1	410	19.8	4.77	79.5	12.2	14.0
	4.5	450	19.8	4.97	82.9	12.7	14.6
	4.8	480	20.1	5.32	88.6	13.1	15.2
	5.5	550	20.4	5.66	94.3	13.6	15.7
25 ● Dk. Blue	3.4	340	19.8	4.95	82.5	12.6	14.6
	4.1	410	20.4	5.11	85.2	12.3	14.1
	4.5	450	20.4	5.36	89.3	12.9	14.8
	4.8	480	21.0	5.75	95.8	13.0	15.0
	5.5	550	21.6	6.11	101.8	13.0	15.1
28 ● Black	4.8	480	21.6	6.38	106.4	13.6	15.7
	5.5	550	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	690	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. To calculate precipitation rates for 180° operation, multiply by 2.

G75B NOZZLE PERFORMANCE DATA*

Nozzle	Pressure bar	Pressure kPa	Radius m	Flow m³/hr	Flow l/min	Precip mm/hr ■	Precip mm/hr ▲
8 ● Lt. Brown	2.8	280	14.3	1.75	29.1	8.5	9.8
	3.4	340	14.9	1.89	31.4	8.5	9.8
	4.1	410	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	480	15.5	2.25	37.5	9.3	10.7
10 ● Lt. Green	3.4	340	16.2	2.48	41.3	9.5	11.0
	4.1	410	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	480	16.8	2.98	49.6	10.6	12.2
	5.5	550	17.1	3.25	54.1	11.1	12.9
13 ● Lt. Blue	3.4	340	16.8	2.54	42.4	9.1	10.5
	4.1	410	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	480	17.4	3.02	50.3	10.0	11.6
	5.5	550	17.4	3.25	54.1	10.8	12.4
15 ● Grey	3.4	340	17.4	3.04	50.7	10.1	11.6
	4.1	410	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	480	18.0	3.48	57.9	10.7	12.4
	5.5	550	18.3	3.73	62.1	11.2	12.9
18 ● Red	3.4	340	18.3	3.29	54.9	9.8	11.4
	4.1	410	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	480	18.9	3.84	64.0	10.7	12.4
	5.5	550	19.2	4.13	68.9	11.2	12.9
20 ● Dk. Brown	4.1	410	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	480	19.2	4.36	72.7	11.8	13.7
	5.5	550	19.5	4.66	77.6	12.2	14.1
	6.2	620	19.8	4.95	82.5	12.6	14.6
23 ● Dk. Green	4.1	410	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	480	19.8	5.36	89.3	13.7	15.8
	5.5	550	20.1	5.82	96.9	14.4	16.6
	6.2	620	20.4	6.13	102.2	14.7	17.0
25 ● Dk. Blue	4.1	410	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	480	20.4	5.82	96.9	13.9	16.1
	5.5	550	21.0	6.20	103.3	14.0	16.2
	6.2	620	21.6	6.59	109.8	14.1	16.2
28 ● Black	4.8	480	20.1	6.11	101.8	15.1	17.4
	5.5	550	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	690	21.6	7.34	122.3	15.7	18.1

G70B & G75B NOZZLES



G70B

G75B

GOLF ROTORS

B SERIES

Model: **G35B**
Radius: **5.5 to 15.2 m**
Flow: **0.43 to 2.91 m³/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-drive
- Check height up to 3 m in elevation change

OPERATING SPECIFICATIONS

- Radius: 5.5 to 15.2 m
- Flow: 0.43 to 2.91m³/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: 1¼" ACME

GOLF ROTORS

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

G835 NOZZLE PERFORMANCE DATA*

Nozzle	Pressure		Radius	Flow		Precip mm/hr	
	bar	kPa	m	m³/hr	l/min	■	▲
2 Yellow	2.8	280	5.5	0.43	7.2	14.3	16.6
	3.4	340	6.1	0.48	7.9	12.8	14.8
	4.1	410	6.7	0.55	9.1	12.1	14.0
	4.5	450	7.0	0.59	9.8	12.0	13.9
3 Yellow	2.8	280	7.0	0.68	11.4	13.9	16.0
	3.4	340	7.6	0.73	21.1	12.5	14.5
	4.1	410	8.2	0.80	13.2	11.7	13.6
	4.5	450	8.5	0.82	13.6	11.2	13.0
4 Yellow	2.8	280	7.6	0.89	14.8	15.3	17.6
	3.4	340	8.5	0.93	15.5	12.8	14.8
	4.1	410	9.1	1.00	16.7	12.0	13.8
	4.5	450	9.4	1.04	17.4	11.7	13.5
5 Yellow	2.8	280	8.8	1.07	17.8	13.7	15.8
	3.4	340	9.8	1.14	18.9	11.9	13.8
	4.1	410	10.1	1.20	20.1	11.9	13.7
	4.5	450	10.7	1.23	20.4	10.8	12.4
6 Yellow	2.8	280	9.8	1.36	22.7	14.3	16.5
	3.4	340	10.7	1.43	23.8	12.6	14.5
	4.1	410	11.3	1.50	25.0	11.8	13.6
	4.5	450	11.9	1.54	25.7	10.9	12.6
8 Yellow	2.8	280	11.0	1.77	29.5	14.7	17.0
	3.4	340	11.9	1.82	30.3	12.9	14.8
	4.1	410	12.8	1.89	31.4	11.5	13.3
	4.5	450	13.1	1.93	32.2	11.2	13.0
10 Yellow	2.8	280	11.9	2.20	36.7	15.6	18.0
	3.4	340	13.1	2.29	38.2	13.4	15.4
	4.1	410	13.7	2.34	39.0	12.4	14.4
	4.5	450	14.3	2.39	39.7	11.6	13.4
12 Yellow	2.8	280	13.4	2.73	45.4	15.2	17.5
	3.4	340	14.3	2.77	46.2	13.5	15.6
	4.1	410	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. To calculate precipitation rates for 180° operation, multiply by 2.

G835 NOZZLES

HQ5LRC Quick Coupler

with HSJ-1 SnapLok™ equipped swing joint

Introducing Hunter's new full line of HSJ heavy-duty swing joints with configurations for every need and every project. There is even a version specifically designed for quick coupler applications. The SnapLok outlet on HSJ-1 models come equipped with accommodations for both rebar and pipe stabilisation, as well as heavy-duty brass outlet threads with a unique anti-rotation locking feature.

See the HSJ swing joints on page 47

RT SERIES

Models: **G70RT, G75RT & G80RT**
Radius: **14.3 to 26.8 m**
Flow: **1.75 to 13.15 m³/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® 600 and 700 Series golf rotors
- 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

G70RT / G75RT
Pop-up height: 8 cm

G80RT
Pop-up height: 8 cm

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

G70RT/G75RT RETRO RISERS

To Replace TORO®	Use Hunter Model/Nozzle Nozzle	G70RT Full Circle	G75RT Full/Part Circle
630	31	15	15
	32	18	18
	33	20	20
	34	28	–
660	62	15	15
	63	18	18
	64	25	25
	65	28	–
730	31	15	15
	32	18	18
	33	20	20
	34	23	23
	35	28	–
760	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	G80RT Full Circle
650	56	23
	57	33
	58	33
	59	38
670	70	43
	71	48
	72	48
680	84	25
	85	33
	86	33
	87	43
	88	48
750	54	25
	55	33
	56	38
	57	43
	58	48
780	84	25
	85	25
	86	33
	87	38
	88	43
	89	48

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 1½" female NPT	P/N 104153
1¼" male ACME x 1½" 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 1½" female NPT	P/N 475000
1½" male ACME x 1½" 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 = BSP Inlet
P/N = HSJ-305-015-M = ACME Inlet (shown)

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

Hose Swivel Adapters

RUBBER COVER KITS

Models

- 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

Rubber Cover Kit

CENTRAL CONTROL

PILOT® CENTRAL CONTROL
ADVANCED FEATURES

COMPLETE CONTROL

PILOT-CC SOFTWARE CENTRAL CONTROL

Safely balance sprinkler demand with water and electrical supply for the most efficient irrigation cycles possible.

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 spread-spectrum bands. Power options include both 120 VAC and 230 VAC.

PILOT-DH DECODER HUB

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

The hub has 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 spread-spectrum bands. Power options include both 120 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 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 application depth. Irrigation is scheduled through a powerful programming matrix which lets you see every sprinkler on the course while you make your adjustments. 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 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. FCPs can be retrieved into the central control software, edited, then sent back to the field unit – so you can manage all your controller schedules from the computer in your office.

PILOT SOFTWARE SPECIFICATIONS

- Operating system: 64-bit Windows® 8
- 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: online maps converted from AutoCAD and other applications

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

Overview - Pilot

MANAGE 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.

Flow Optimisation

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

Although it is not required to have a map, adding one allows you to run water by clicking the station symbols on the map, monitor stations as they are running, and adjust certain settings.

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 20 simultaneous Hunter golf valve-in-head rotors active 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 start time adjustment is used to quickly change all start times plus or minus 30 minutes

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

POWER SUPPLY INPUT

- 120/230 VAC at 60/50 Hz
- 1.2 Amps maximum at 120 VAC
- 0.73 Amps maximum at 230 VAC

POWER SUPPLY OUTPUT

- Station output: 1 Amp 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, 20 maximum simultaneous stations

Pilot-FI Field Interface
One is required with any central control system. It is used to link the central computer to the field equipment. For indoor locations only.

Height: 30 cm
Width: 30 cm
Depth: 11 cm
Weight: 2 kg

RADIO SYSTEMS

- UHF Radio: 450-470 MHz; other frequeny ranges available for selected markets
- Spread Spectrum Radio: 915 MHz (US) and 2.4 GHz (international)

WIRED SYSTEMS

- GCBL: Shielded two twisted pairs, 0.82 mm^2
- GCBLA: Armored, shielded two twisted pairs, 0.82 mm^2

PILOT-FI – SPECIFICATION BUILDER ORDER 1 + 2 + 3

1 Model	2 Standard Features	3 Options	
Pilot-FI	Plastic pedestal (grey)	**HWR**	Hardwire communications
		UHF	UHF radio communications (US only)
		LF	Licence-free radio communications
		ILF	Licence-free radio communications

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 licence-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 trouble-shooting your system a breeze.

Auto/On/Off Switches and Diagnostic LED Indicators
Standard for all station outputs, provide quick troubleshooting and watering tools.

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

Easy to Service
The only tool required is a Phillips screwdriver included 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-FC – SPECIFICATION BUILDER ORDER 1 + 2 + 3

1 Model	2 Standard Features	3 Options	
Pilot-FC30 (30-station)	Plastic pedestal (grey) 120/230 VAC 60/50 Hz dual-voltage transformer	**S**	Stand-alone field controller with no central communications
Pilot-FC40 (40-station)		**HWR**	Hardwire communications
Pilot-FC50 (50-station)		**UHF**	UHF radio communications (US only)
Pilot-FC60 (60-station)		**LF**	Licence-free spread spectrum radio communications (900 MHz for North America and where permitted)
Pilot-FC70 (70-station)		**ILF**	Licence-free spread spectrum radio communications (2.4 GHz for international, where permitted)
Pilot-FC80 (80-station)			

Examples:
Pilot-FC40-S = 40-station, stand-alone field contraoller with no central communications
Pilot-FC70-HWR = 70-station field controller with hardwire communications
Pilot-FC80-ILF = 80-station field controller with international licence-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 means lower cost, 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-station 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 hub.

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

Pilot-SG surge protectors are required when a system is designed and installed with Decoder-In-Head (DIH) rotors.

Pilot Decoder Hub

Water-Resistant Keypad
Backlit display and secondary LED facepack means it can be used day or night

Diagnostic LED Indicators
For all functions on decoder output module

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

Pilot Decoders
1 & 2 Station Decoders:
Height: 9 cm
Width: 4 cm
Depth: 2.5 cm
Weight: 150 g

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

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

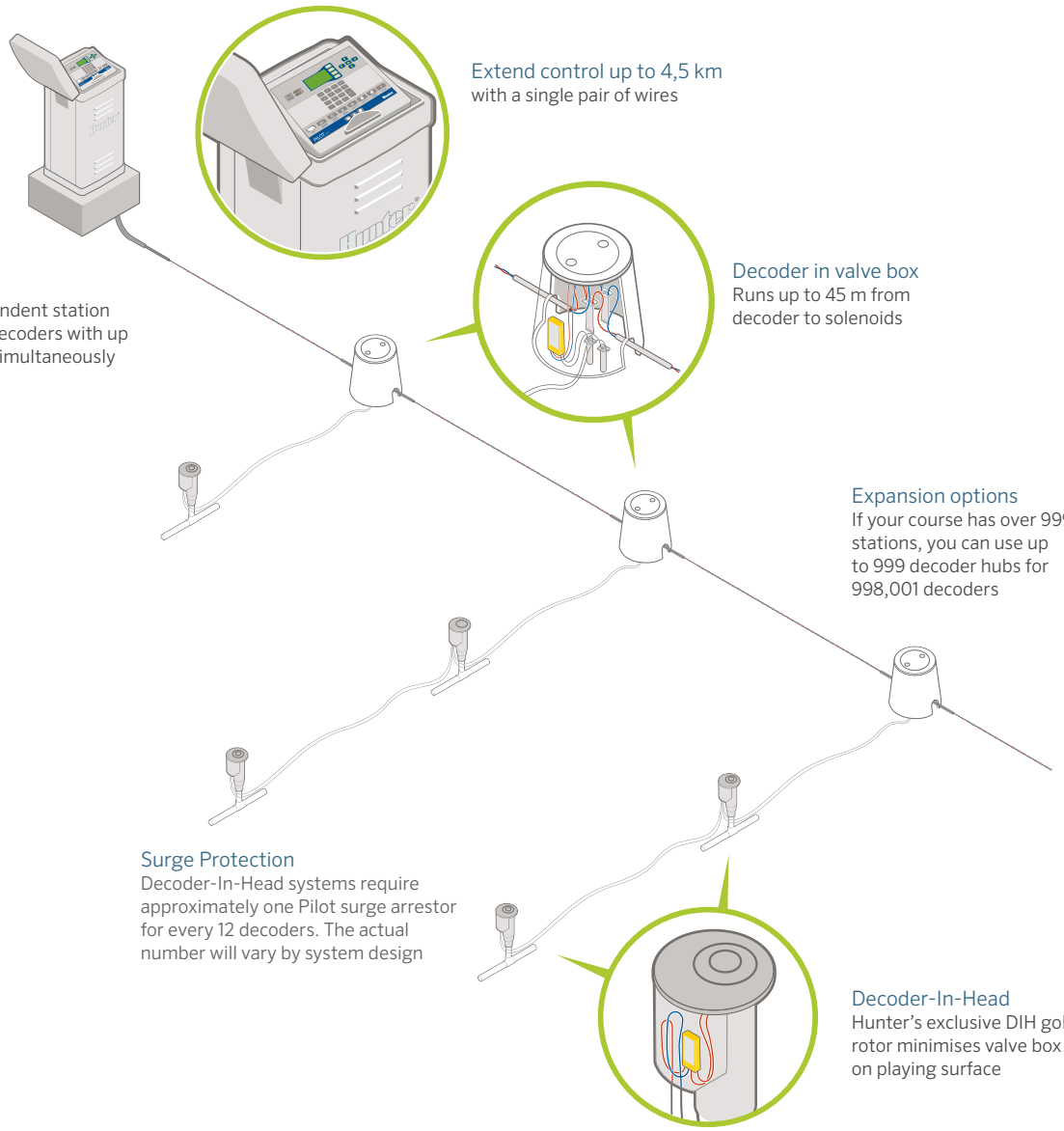
DS-G Surge Ground Arrestor

All DIH rotors include two IBM DBRY-6 splices for connection to the 2-wire path. DIH rotor control systems require grounding with Pilot-SG surge suppressors coupled to appropriate grounding plate or rod. Hunter recommends a minimum of one Pilot-SG for every 12 installed DIH rotors or as per project specification.

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

1 Model	2 Standard Features	3 Options	
Pilot-DH250 (250-station)	Plastic pedestal (grey)	**S**	Stand-alone decoder hub with no central communications
Pilot-DH500 (500-station)		**HWR**	Hardwire communications
Pilot-DH750 (750-station)		**UHF**	UHF radio communications (US only)
Pilot-DH999 (999-station)		**LF**	Licence-free spread spectrum radio communications (900 MHz for North America and where permitted)
		ILF	Licence-free spread spectrum radio communications (2.4 GHz for international, where permitted)

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



Extend control up to 4,5 km
with a single pair of wires

Pilot-DH
Provides independent station control of 999 decoders with up to 120 running simultaneously

Decoder in valve box
Runs up to 45 m from decoder to solenoids

Expansion options
If your course has over 999 stations, you can use up to 999 decoder hubs for 998,001 decoders

Surge Protection
Decoder-In-Head systems require approximately one Pilot surge arrestor for every 12 decoders. The actual number will vary by system design

Decoder-In-Head
Hunter's exclusive DIH golf rotor minimises valve box covers on playing surface

DECODERS – SPECIFICATION BUILDER ORDER 1

1 Model		2 Standard Features
Pilot-100	1-station decoder	Built-in surge protection
Pilot-200	2-station decoder	DBRY-6 Waterproof Connectors included
Pilot-400	4-station decoder	
Pilot-600	6-station decoder	
Pilot-SG	Inline surge protection (for DIH rotor systems)	

Example:
Pilot-100 = 1-station decoder

Wireless Programming!
Communicate with decoders directly through plastic case: wireless electro-magnetic induction saves waterproof connectors

See the ICD-HP on page 195

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 9-pin serial computer port required)
- Optional solar panel kit provides wireless power
  - Simple installation and versatile mounting with 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

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: Licence required in most countries

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

ICD-HP

WIRELESS HANDHELD DECODER PROGRAMMER

Type: **Decoder Programmer**

FEATURES

- Program or re-program decoder stations, whether new or installed
- Program any station numbers in any order, or skip stations for future expansion
- Turn decoder stations on and view solenoid status, current in milliamps, and more
- Built-in voltmeter for decoder path
- Communicates with decoders directly through plastic case: wireless electro-magnetic induction saves waterproof connectors
- Communicates through the top of DIH rotors- no cover removal required

ICD-HP

ICD-HP
Height: 21 cm
Width: 9 cm
Depth: 5 cm

Packaged in an outdoor carrying case, this complete kit includes probes, induction cup, cable, USB power cable for bench use, and 4 AA batteries for field work.

STATEMENT OF WARRANTY

Hunter Residential & Commercial Irrigation

Hunter Industries Incorporated ("Hunter") warrants the following products to be free of defects in materials or workmanship under normal use in landscape irrigation applications for the specified period of time outlined below from the original date of manufacture:

ONE YEAR	**ROTORS**	SRM	**MICRO**	Micro Sprays, PLD Fittings, PLD-LOC Fittings, Rigid Risers
TWO YEARS	**ROTORS**	PGP®-ADJ, PGJ	**CONTROLLERS**	Eco Logic, XC Hybrid, HC Controller, X-Core® and Pro-C® Families, ROAM, NODE, WVP, WVC, PSR
	SPRAYS	PS Ultra Family	**SENSORS**	ET System, Wireless Flow Sensor
	NOZZLES	Spray Nozzles, PCN, PCB, AFB, MSBN	**MICRO**	ACZ, PCZ, RZWS, Point Source Emitters, Tubing, Multi-Port Emitters, IH Risers, MLD, Eco-Indicator
	VALVES	PGV Family, PSR	**ACCESSORIES**	HCV, SJ, FLEXsg, HSBE Family, SpotShot, RZA
THREE YEARS	**CONTROLLERS**	ROAM XL	**MP ROTATOR®**	All
FIVE YEARS	**ROTORS**	PGP Ultra, I-20, I-25, I-40, and I-90 Families	**CENTRAL**	IMMS® Central Control Products
	SPRAYS	Pro-Spray®, Pro-Spray PRS30, and Pro-Spray PRS40 Families	**SENSORS**	Clik Sensors, Solar-Sync®, Flow-Sync®, MWS
	VALVES	HQ, ICV, IBV	**MICRO**	ICZ, PLD Tubing, Eco-Mat®, Eco-Wrap™
	CONTROLLERS	I-Core®/DUAL® and ACC controller families, ICD and Dual Decoder Products, ICR Remotes, ICC2		

Hunter Golf and ST System Irrigation Component* Warranty Products

Hunter will unconditionally repair, replace or repurchase, at its sole discretion, any defective component* assemblies contained within the Golf and ST products listed below by category, returned freight prepaid, from the date of manufacture within a period of:

ONE YEAR	**GOLF CONTROLLERS**	Pilot® Software, Pilot-FC, Pilot-FI, Pilot Hub
THREE YEARS	**GOLF ROTORS**	B Series, G800 Series, G900 Series, RT Series
	GOLF DECODERS	Pilot 100, Pilot 200, Pilot 400, Pilot 600,
FIVE YEARS	**GOLF ROTORS**	Golf rotor component warranty extended to 5-years with one-for-one purchase of HSJ Swing Joint from authorized Hunter Golf distributor.
	SWING JOINTS	HSJ-0, HSJ-1, HSJ-2, HSJ-3
	ST ROTORS	ST-90, STG-900, ST-1200, ST-1600
	ST ACCESSORIES	All model number starting with "ST"
	COMPUTER, PRINTERS & ACCESSORIES, MAINTENANCE RADIO & BATTERY	Equipment manufacturer's warranty (no Hunter warranty)

* Warranty covers repair, replacement or repurchase of individual defective component assemblies contained within the product. Returns of complete finished goods are not allowed under warranty without prior approval from the Hunter Product Manager.

If used for agricultural applications, Hunter limits the warranty for its spray, rotator and rotor products to a period of one (1) year from original date of manufacture. This agriculture limitation supersedes all other warranties expressed or implied. **Hunter warrants the battery life of the Wireless Rain-Clik and Wireless Solar Sync sensors for 10 years.**

Hunter® | *Built on Innovation®*

Statement of Warranty Continued

If a defect in a Hunter product is discovered during the applicable warranty period, Hunter will repair or replace, at its option, the product or the defective part. This warranty does not extend to repairs, adjustments, or replacement of a Hunter product or part that results from misuse, negligence, alteration, modification, tampering, or improper installation and/or maintenance of the product. This warranty extends only to the original installer of the Hunter product. If a defect arises in a Hunter product during the warranty period, contact your local Hunter Authorized Distributor.

Hunter's warranty applies only to products installed as specified and used as intended for irrigation purposes. Hunter's warranty shall be limited to defects in materials and workmanship during the warranty period, and shall not extend to situations in which the product was subjected to improper design, installation, operation, maintenance, application, abuse, improper electrical current, grounding, service other than by Hunter authorized agents, operating conditions other than that for which it was designed, or in systems using water containing corrosive chemicals, electrolytes, sand, dirt, silt, rust or agents that otherwise attack and degrade plastics. Hunter's warranty does not cover component failures caused by lightning strikes, electrical power surges or unconditioned power supplies. If products are repurchased, the price to Distributor for such products in effect at the time of return will apply.

Hunter's obligation to repair, replace or repurchase its products or product components as set forth above is the sole and exclusive warranty extended by Hunter. There are no other warranties, expressed or implied, including warranties of merchantability and warranties of fitness for a particular purpose. Hunter will not be liable to a distributor or to any other party in strict liability, tort, contract or any other manner for any damages caused or claimed to be caused as a result of any design of or defect in Hunter's products, or for any special, incidental or consequential damages of any nature.

Where applicable, Hunter's statement of warranty complies with local directives.

If you have any questions concerning the warranty or its application, please email HunterTechnicalSupport@hunterindustries.com.

ASAE CERTIFICATION STATEMENT

Hunter Industries Incorporated certifies that pressure, flow rate, and radius data for these products were determined and listed in accordance with ASAE Standard S398.1, Procedure for Sprinkler Testing and Performance Reporting, and are representative of performance of production sprinklers at the time of publication. Actual product performance may differ from the published specifications due to normal manufacturing variations and sample selection. All other specifications are solely the recommendation of Hunter Industries Incorporated.

Helping our customers succeed is what drives us. While our passion for innovation and engineering is built into everything we do, it is our commitment to exceptional support that we hope will keep you in the Hunter family of customers for years to come.

Gregory R. Hunter, President of Hunter Industries

Website www.hunterindustries.com | **Customer Support** +1 800-383-4747 | **Technical Service** +1 760-591-7383

USA HEADQUARTERS
1940 Diamond Street
San Marcos, California 92078, USA
TEL: +1 760-744-5240

MEXICO MANUFACTURING
ISO 9001:2008 Certified
Calle Nordika #8615
Tijuana, B.C., Mexico C.P., 22640
TEL: +52 664-903-1300
FAX: +52 664-903-1325

EUROPE
Avda. Diagonal 523, 5°- 2°
Edificio Atalaya
08029 Barcelona, Spain
TEL: +34 9-34-94-88-81

AUSTRALIA
Suite 7, 202 Ferntree Gully Road
Notting Hill, Melbourne, Victoria 3168, Australia
TEL: +61 3-9562-9918
FAX: +61 3-9558-6983

MIDDLE EAST
P.O. Box 2370
Amman, 11941, Jordan
TEL: +962 6-5152882
FAX: +962 6-5152992

CHINA
B1618, Huibin Office Bldg.
No.8, Beichen Dong Street
Beijing 100101, China
TEL/FAX: +86 10-84975146

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