



TTS PREMIUM GOLF ROTORS

DIG LESS, PLAY MORE WITH TTS ROTORS

Hunter[®]
GOLF

EIGHTEEN HOLES OF NOTHING BUT GREEN

FOR YEARS, HUNTER'S TTS GOLF ROTORS HAVE HELPED SUPERINTENDENTS AROUND THE WORLD enhance course playability and water efficiency in a whole new way. Proudly built in the USA with all the durability, capability, and quality you'd expect from the world's #1 rotor manufacturer, these powerhouses also come with one huge advantage: Total Top Serviceability.

Patented TTS technology allows for every serviceable element of the rotor to be accessed through the top. Mechanical and electrical, big and small, you can get to every component simply from the playing surface. That means there's no more digging, no more unsightly scars, and more importantly, one less item on a busy superintendent's schedule. **PLAY ON.**

- ▶ HUNTER INNOVATION STARTS AT THE TOP WITH OUR TTS ROTORS. EVERY SERVICEABLE COMPONENT CAN BE ACCESSED THROUGH THE TOP, INCLUDING SOLENOID SPLICE CONNECTIONS. NO DIGGING NECESSARY.



TTS FEATURES&BENEFITS

- ▶ **Exclusive and Unique Total Top Servicing Features:** The no-dig solution is appreciated by golfers, management and especially the superintendent
- ▶ **Unitized Inlet Valve Assembly:** Easy one-step removal of rock screen, valve seat and valve assembly
- ▶ **Through-the-Top Solenoid Connections:** Keeps wire splices protected in valve-box conditions with easy solenoid servicing
- ▶ **Large and Flexible Yardage Marker Capabilities:** Recessed area for placard markers—optional raised marker for popular engraved and paint-filled markers
- ▶ **Concealed Adjustable Pressure Regulation:** Stored within the flange compartment, prevents accidental adjustments
- ▶ **Upper Snap Rings with Integrated Wiper Seal:** Protects rotor's riser seal from external contamination such as top-dressing
- ▶ **Stainless Steel Seat in Pilot Valve:** Durable and corrosion-free, helps prevent slow leaks and weeping in the rotor
- ▶ **Pilot Valve Freeze Suppression Unit:** Patented 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
- ▶ **Convenient Circular Flange Design:** Offset riser and compartment allows quick and easy trimming around the rotor with motorized equipment
- ▶ **Through-the-Top Servicing of On-Off-Auto Selector:** Simple and inexpensive to replace, should damage occur



HUNTER TTS ROTORS WITH DIH TECHNOLOGY

The first and only Decoder-In-Head rotors with no-dig, top service capabilities.



◀ EASY DECODER PROGRAMMING
FROM THE SURFACE WITH THE ICD-HP.
FAST AND NO DISASSEMBLY REQUIRED.



DIH FEATURES & BENEFITS

- ▶ **Program decoders from the surface with no disassembly:** Simple, fast and easy to program before or after installation
- ▶ **Access decoders through the top with no digging required:** Servicing is a breeze and there's no mess with TTS DIH rotors
- ▶ **Individual decoder and solenoid components within flange compartment:** Isolated configuration minimizes maintenance costs year after year into the future
- ▶ **Seamless no-splice connection between decoder and solenoid:** With no connectors, maintains ongoing electrical continuity and peace of mind
- ▶ **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 exclusive features and benefits of TTS rotors:** Hunter's no-dig solution is appreciated by golfers, management and the superintendent
- ▶ **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

TTS YARDAGE MARKER CAPABILITIES



◀ PLACARD STYLE



◀ DIRECT ENGRAVED

G900 Series

For mid to long-range rotor spacings up to 30 meters, the Hunter G900 Series is hard to beat. From the exclusive PressurePort™ nozzling system to the new Contour back-nozzle capabilities and 8 low-angle nozzles, this TTS rotor is truly at the head of the class.



G900 SERIES FEATURES & BENEFITS

- ▶ **Includes All TTS Features and Benefits:** The ultimate combination of easy servicing, efficiency and durability
- ▶ **Ideal for Sites Requiring Wider Spacings:** Versatile long-distance radius capabilities suitable for an array of golf courses and sports fields
- ▶ **Exclusive PressurePort™ Technology:** Delivers uniform and consistent water coverage across a wide range of radius and flow capabilities
- ▶ **Standard and Low Trajectory Nozzles:** Eight color-coded nozzles with 22.5° trajectory plus 8 more with 15° trajectory
- ▶ **Full-Circle and Adjustable Part-Circle Models:** Adjustable anytime; uninstalled, installed, or while in operation
- ▶ **Contour "Back-Nozzle" Capabilities:** Over 30 nozzle options available to help smooth and shape distinct perimeter transitions or correct problem areas around the course



- ▶ **NEW 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.

CHARTS&SPECIFICATIONS

MODEL SPECIFICATIONS

G990: Full Circle
G995: Adjustable Arc
 (40° to 360°)

MODEL VARIATIONS

C: Check-O-Matic
D: Decoder-in-Head
E: Electric Valve-in-Head

DIMENSIONS

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

OPERATING SPECIFICATIONS*

- G990**
- Discharge rate: 6.93 to 18.92 m³/hr; 115.5 to 315.3 l/m
 - Radius: 22.3 to 31.4 m
 - Pressure range: 5.5 to 8.3 bar; 551 to 827 kPa
- G995**
- Discharge rate: 6.70 to 19.04 m³/hr; 111.7 to 317.2 l/min
 - Radius: 22.9 to 31.7 m
 - Pressure range: 5.5 to 8.3 bar; 551 to 827 kPa

* All TTS rotors pressure rated at 10 bar; 1000 kPa

G990 Nozzle Performance Data* (Metric)							
Nozzle	Pressure		Radius m	Flow		Precip. mm/hr	
	Bar	kPa		m³/hr	l/min	■	▲
25 Lt. Blue	5.5	551	22.3	6.93	115.5	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
33 Gray	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
38 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	171.5	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
43 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
48 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
53 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
63 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	262.7	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
73 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	294.5	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* (Metric)							
Nozzle	Pressure		Radius m	Flow		Precip. mm/hr	
	Bar	kPa		m³/hr	l/min	■	▲
25 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
33 Gray	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	24.7	9.68	161.3	15.9	18.3
	8.3	827	25.0	10.18	169.6	16.3	18.8
38 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
43 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
48 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
53 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
63 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
73 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

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

SPECIFICATION BUILDER

MODEL	VALVE OPTIONS	NOZZLE	PRESSURE REGULATION*	OPTIONS
G990 = Full Circle	C = Check-O-Matic * D = Decoder Valve-In-Head E = Electric Valve-In-Head	25 to 73 = Installed G990 Nozzle *	P8 = 80 PSI P1 = 100 PSI P2 = 120 PSI	S = SSU *
G995 = Adjustable Arc 40 to 360°	C = Check-O-Matic * D = 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 P1 = 100 PSI P2 = 120 PSI * SSU = P8/#53	S = SSU * * Standard Stocking Unit
G990	E	53	P8	S

G990E - 53 - P8 - S

G800 Series

The ultimate TTS solution for short and mid-range golf applications. The G800 Series rotors are reliable and efficient performers that make easy maintenance a top priority. New for this year, two 50° to 360° adjustable models with non-reversing full-circle capabilities. The best TTS mid-range rotors just got better.



G800 SERIES FEATURES&BENEFITS

- ▶ **Includes All TTS Features and Benefits:** The ultimate combination of servicing-ease, efficiency and durability
- ▶ **Ideal For Sites Requiring Mid-Range Spacing:** An array of mid-distance radius capabilities for golf courses and sports fields
- ▶ **Exclusive PressurePort™ Technology:** Delivers uniform and consistent water coverage across a wide range of radius and flow capabilities
- ▶ **Closed-Case Design:** Helps prevent sticking risers and leaking seals caused by contaminants
- ▶ **Full-Circle and Full-Circle/Part-Circle Models:** Adjustable from 50° to non-reversing 360° anytime; uninstalled, installed or while in operation

G870 This dedicated full-circle is designed specifically for mid-range areas with 15 m to 21 m spacings.

G880 This dedicated full-circle is designed specifically for mid to longer-range areas with 18 m to 26 m spacings.

G835 This full-circle/part-circle adjustable is designed specifically for smaller areas with 5 m to 15 m spacings.

G875 This full-circle/part-circle adjustable is designed specifically for mid-range areas with 17 m to 21 m spacings.

MADE in the USA

B Series

Designed for unique short and mid-range areas on courses with block-type systems or, the perfect solution for those on a tight budget, the B Series TTS rotors are the ideal choice to meet the need. A time-tested gear drive, through-the-top servicing, yardage marker capabilities and now, two models with non-reversing full-circle and adjustable arc in one rotor.



B SERIES FEATURES&BENEFITS

- ▶ **Exclusive PressurePort™ Nozzling:** Improves distribution uniformity
- ▶ **Color-Coded Nozzles:** Truly uniform coverage and fast identification
- ▶ **Through-the-Top Serviceability:** Enables easy access to gear-drive, filter screen and check valve
- ▶ **Closed-Case Rotor:** Absolute protection from dirt and debris
- ▶ **Proven, Heavy-Duty Gear Drive:** Enduring reliability
- ▶ **Impact-Resistant Flanged Body:** Provides stability and protection from heavy equipment damage
- ▶ **Water-Activated Riser Seal:** Clean flushing action and positive retraction
- ▶ **Yardage Marker Recessed Area:** Provides protected location for yardage marker plaque

G70B This dedicated full-circle is designed specifically for mid-range areas with 15 m to 21 m spacings.

G35B This full-circle/part-circle adjustable is designed specifically for smaller areas with 5 m to 15 m spacings.

G75B This full-circle/part-circle adjustable is designed specifically for mid-range areas with 17 m to 21 m spacings.

CHARTS&SPECIFICATIONS

MODEL SPECIFICATIONS

- G70B:** Full circle
- G35B:** Full-Circle/Part-Circle
- G75B:** Full-Circle/Part-Circle

DIMENSIONS

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

OPERATING SPECIFICATIONS

- G70B**
 - Discharge rate: 2.95 to 7.66 m³/hr, 49.2 to 127.6 l/min
 - Radius: 16.2 to 22.9 m
 - Pressure range: 3.4 to 6.9 bar; 344 to 689 kPa

G35B

- Discharge rate: 0.43 to 2.91 m³/hr, 7.2 to 48.5 l/min
- Radius: 5.5 to 15.2 m
- Pressure range: 2.8 to 4.5 bar; 275 to 450 kPa

G75B

- Discharge rate: 1.75 to 7.34 m³/hr, 29.1 to 122.3 l/min
- Radius: 14.3 to 21.6 m
- Pressure range: 2.8 to 6.9 bar; 275 to 689 kPa

MODEL VARIATIONS

G70B/G35B/G75B:
Block checks up to 3 m in elevation change

* All TTS rotors pressure rated at 10 bar; 1000 kPa

G70B Nozzle Performance Data* (Metric)					
Nozzle	Pressure Bar	Radius m	Flow m ³ /hr	Flow l/min	Precip. mm/hr
15 Gray	3.4	344	16.2	2.95	49.2
	4.1	413	16.5	3.20	53.4
	4.5	450	16.8	3.36	56.0
	4.8	482	17.1	3.52	58.7
	5.5	551	17.7	3.70	61.7
18 Red	3.4	344	17.7	3.23	53.8
	4.1	413	18.0	3.61	60.2
	4.5	450	18.3	3.70	61.7
	4.8	482	18.3	3.84	64.0
	5.5	551	18.6	4.04	67.4
20 Dk. Brown	4.1	413	18.6	4.27	71.2
	4.5	450	18.9	4.45	74.2
	4.8	482	19.2	4.66	77.6
	5.5	551	19.5	5.00	83.3
	6.2	620	19.5	5.32	88.6
23 Dk. Green	4.1	413	19.2	4.57	76.1
	4.5	450	19.8	4.77	79.5
	4.8	482	19.8	4.97	82.9
	5.5	551	20.1	5.32	88.6
	6.2	620	20.4	5.66	94.3
25 Dk. Blue	4.1	413	19.8	4.95	82.5
	4.5	450	20.4	5.11	85.2
	4.8	482	20.4	5.36	89.3
	5.5	551	21.0	5.75	95.8
	6.2	620	21.6	6.11	101.8
28 Black	4.8	482	21.6	6.38	106.4
	5.5	551	21.6	6.79	113.2
	6.2	620	22.3	7.22	120.4
	6.9	689	22.9	7.66	127.6

G35B Nozzle Performance Data* (Metric)					
Nozzle	Pressure Bar	Radius m	Flow m ³ /hr	Flow l/min	Precip. mm/hr
2 Yellow	2.8	275	5.5	0.43	7.2
	3.4	344	6.1	0.48	7.9
	4.1	413	6.7	0.55	9.1
	4.5	450	7.0	0.59	9.8
	5.5	551	7.0	0.68	11.4
3	3.4	344	7.6	0.73	12.1
	4.1	413	8.2	0.80	13.2
	4.5	450	8.5	0.82	13.6
	2.8	275	7.6	0.89	14.8
	3.4	344	8.5	0.93	15.5
4	4.1	413	9.1	1.00	16.7
	4.5	450	9.4	1.04	17.4
	2.8	275	8.8	1.07	17.8
	3.4	344	9.8	1.14	18.9
	4.1	413	10.1	1.20	20.1
5	4.5	450	10.7	1.23	20.4
	2.8	275	9.8	1.36	22.7
	3.4	344	10.7	1.43	23.8
	4.1	413	11.3	1.50	25.0
	4.5	450	11.9	1.54	25.7
6	2.8	275	11.0	1.77	29.5
	3.4	344	11.9	1.82	30.3
	4.1	413	12.8	1.89	31.4
	4.5	450	13.1	1.93	32.2
	2.8	275	11.9	2.20	36.7
8	3.4	344	13.1	2.29	38.2
	4.1	413	13.7	2.34	39.0
	4.5	450	14.3	2.39	39.7
	2.8	275	13.4	2.73	45.4
	3.4	344	14.3	2.77	46.2
10	4.1	413	14.6	2.84	47.3
	4.5	450	15.2	2.91	48.5
	2.8	275	13.4	2.73	45.4
	3.4	344	14.3	2.77	46.2
	4.1	413	14.6	2.84	47.3
12	4.5	450	15.2	2.91	48.5

G75B Nozzle Performance Data* (Metric)					
Nozzle	Pressure Bar	Radius m	Flow m ³ /hr	Flow l/min	Precip. mm/hr
8 Lt. Brown	2.8	275	14.3	1.75	29.1
	3.4	344	14.9	1.89	31.4
	4.1	413	15.2	2.09	34.8
	4.5	450	15.2	2.16	36.0
	5.5	551	15.5	2.25	37.5
10 Lt. Green	3.4	344	16.2	2.48	41.3
	4.1	413	16.5	2.73	45.4
	4.5	450	16.5	2.84	47.3
	4.8	482	16.8	2.98	49.6
	5.5	551	17.1	3.25	54.1
13 Lt. Blue	3.4	344	16.8	2.54	42.4
	4.1	413	17.1	2.79	46.6
	4.5	450	17.1	2.91	48.5
	4.8	482	17.4	3.02	50.3
	5.5	551	17.4	3.25	54.1
15 Gray	3.4	344	17.4	3.04	50.7
	4.1	413	17.7	3.25	54.1
	4.5	450	18.0	3.36	56.0
	4.8	482	18.0	3.48	57.9
	5.5	551	18.3	3.73	62.1
18 Red	3.4	344	18.3	3.29	54.9
	4.1	413	18.6	3.57	59.4
	4.5	450	18.6	3.70	61.7
	4.8	482	18.9	3.84	64.0
	5.5	551	19.2	4.13	68.9
20 Dk. Brown	4.1	413	18.9	4.04	67.4
	4.5	450	18.9	4.13	68.9
	4.8	482	19.2	4.36	72.7
	5.5	551	19.5	4.66	77.6
	6.2	620	19.8	4.95	82.5
23 Dk. Green	4.1	413	19.5	4.97	82.9
	4.5	450	19.8	4.86	81.0
	4.8	482	19.8	5.36	89.3
	5.5	551	20.1	5.82	96.9
	6.2	620	20.4	6.13	102.2
25 Dk. Blue	4.1	413	19.8	5.34	89.0
	4.5	450	19.8	5.63	93.9
	4.8	482	20.4	5.82	96.9
	5.5	551	21.0	6.20	103.3
	6.2	620	21.6	6.59	109.8
28 Black	4.8	482	20.1	6.11	101.8
	5.5	551	20.7	6.56	109.4
	6.2	620	21.3	6.95	115.8
	6.9	689	21.6	7.34	122.3

* Complies to ASAE standard. All precipitation rates calculated for 360° operation. All triangular rates are equilateral. G35B preliminary performance.

SPECIFICATION BUILDER

MODEL	VALVE OPTIONS	NOZZLE	OPTIONS
G70 = Full Circle	B = Block rotor with check valve	25 = Installed G70 Nozzle *	S = SSU *
G35 = Full/Part-Circle 50 to 360°	B = Block rotor with check valve	6 = Installed G35 Nozzle *	S = SSU *
G75 = Full/Part-Circle 50 to 360°		25 = Installed G75 Nozzle *	* Standard Stocking Unit
		* Includes nozzle pack	

EXAMPLE

G70 — B — 25 — S → **G70B - 28 - S**



**USA HEADQUARTERS
AND MANUFACTURING**

1940 Diamond Street
San Marcos, CA 92078
Tel: (1) 760-744-5240
Fax: (1) 760-744-7461
Technical Help: (1) 760-591-7383

**HUNTER ROTORS ARE PROUDLY
MANUFACTURED IN THE USA**

WORLDWIDE OFFICES

Australia

8 The Parade West
Kent Town, South Australia 5067
Tel: (61) 8-8363-3599
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