

# G-990 & G-995

These rotors are simple to install and perfect for retrofits. Total-Top-Serviceability makes field maintenance quick and easy.

## KEY BENEFITS

- G-990 – Full-circle
- G-995 – Adjustable arc (40° to 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

## OPERATING SPECIFICATIONS

- G-990
  - Radius: 22.3 to 31.4 m
  - Flow: 6.93 to 18.92 m<sup>3</sup>/hr; 115.5 to 315.3 l/min
  - Pressure range: 5.5 to 8.3 bar; 550 to 830 kPa
- G-995
  - Radius: 20.1 to 29.6 m
  - Flow: 6.7 to 19.04 m<sup>3</sup>/hr; 111.7 to 317.2 l/min
  - Pressure range: 5.5 to 8.3 bar; 550 to 830 kPa
- All TTS rotors are pressure-rated at 10 bar; 1,000 kPa

## OPTIONS

- **C** – Check-O-Matic checks up to 8 m in elevation change and readily converts to normally open hydraulic with through-the-top connections
- **D** – Decoder valve-in-head with all “E” specifications below\*
- **DD** – Two-station decoder valve-in-head with all “E” specifications below\*
- **E** – Electric valve-in-head with adjustable pressure regulation, on-off-auto selector, 210 mA (370 mA inrush) 50 Hz; 190 mA (350 mA inrush) 60 Hz solenoid with captive plunger and internal downstream bleed

\* All DIH rotors include two 3M DBRY-6 splices for connection to the two-wire path. See page 196 for critical recommendations on grounding DIH rotors.



### G-990C

Pop-up height: 8 cm  
Overall height: 34 cm  
Flange diameter: 19 cm  
Female inlet: 1½" (40 mm) Acme



### G-995E

Pop-up height: 8 cm  
Overall height: 34 cm  
Flange diameter: 19 cm  
Female inlet: 1½" (40 mm) Acme

## G-990 & G-995 – SPECIFICATION BUILDER: ORDER 1 + 2 + 3 + 4 + 5

1 Model	2 Valve Options	3 Nozzle	4 Regulation*	5 Options
<b>G-990</b> = Full-circle	<b>C</b> = Check-O-Matic*  <b>D</b> = Decoder valve-in-head  <b>DD</b> = Two-station decoder valve-in-head  <b>E</b> = Electric valve-in-head	<b>25 to 73</b> = Installed G-990 nozzle*	<b>P8</b> = 80 PSI; 5.5 bar; 550 kPa (nozzles 25 to 53) <b>P1</b> = 100 PSI; 6.9 bar; 690 kPa (nozzles 53 to 73) <b>P2</b> = 120 PSI; 8.3 bar; 830 kPa (nozzle 73)	<b>S</b> = SSU*
<b>G-995</b> = Adjustable arc, 40°-360°	<b>C</b> = Check-O-Matic*  <b>D</b> = Decoder valve-in-head  <b>DD</b> = Two-station decoder valve-in-head  <b>E</b> = Electric valve-in-head  *Converts to N.O. hydraulic valve-in-head	<b>25 to 73</b> = Installed G-995 nozzle*  * SSU = #25 or #53	<b>P8</b> = 80 PSI; 5.5 bar; 550 kPa (nozzles 25 to 53) <b>P1</b> = 100 PSI; 6.9 bar; 690 kPa (nozzles 53 to 73) <b>P2</b> = 120 PSI; 8.3 bar; 830 kPa (nozzle 73)	<b>S</b> = SSU*  *Standard stocking unit

### Example:

G-990-E-53-P8-S = G-990 full-circle electric valve-in-head, installed #53 nozzle, 80 PSI; 5.5 bar; 550 kPa regulation, standard stocking unit model

G-990 NOZZLE PERFORMANCE DATA*							
Nozzle	Pressure		Radius**	Flow		Precip mm/hr	
	bar	kPa		m <sup>3</sup> /hr	l/min	■	▲
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
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
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
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
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
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
63 Black	5.5	550	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	690	29.3	15.76	265.7	18.4	21.3
	7.6	760	29.6	16.36	272.5	18.7	21.6
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	

G-995 NOZZLE PERFORMANCE DATA*							
Nozzle	Pressure		Radius**	Flow		Precip mm/hr	
	bar	kPa		m <sup>3</sup> /hr	l/min	■	▲
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
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
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
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
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
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
63 Black	5.5	550	26.8	14.88	249.5	20.7	23.9
	6.2	620	26.8	14.88	249.5	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
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	

### G-900 NOZZLES



### G-900 LOW-ANGLE NOZZLES\*\*



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

\* 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.



### Contour Back-Nozzle Capabilities

Choose any nozzle from the PGP, I-40, and G-70 nozzle racks, or from the short- and mid-range G-900 nozzles.