

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 184 for critical recommendations on grounding DIH rotors.

▶ = TTS and DIH Advanced Features detailed on pages 154 and 156



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		Radius** m	Flow		Precip mm/hr	
	bar	kPa		m ³ /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
	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
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

G995 NOZZLE PERFORMANCE DATA*							
Nozzle	Pressure		Radius** m	Flow		Precip mm/hr	
	bar	kPa		m ³ /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
	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
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	14.63	243.8	20.3	23.5
	6.2	620	26.2	14.15	235.8	20.6	23.8
	6.9	690	26.8	14.88	247.9	20.7	23.9
	7.6	760	27.4	15.67	261.2	20.8	24.0
73 ● Orange	5.5	550	27.7	16.33	272.2	21.2	24.5
	6.2	620	28.0	16.97	282.8	21.6	24.9
	6.9	690	27.1	16.51	275.2	22.4	25.9
	7.6	760	27.7	17.13	285.4	22.3	25.7
73 ● Orange	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

G900 NOZZLES



G990 & G995

G900 LOW-ANGLE NOZZLES



G990 & G995**

** Low-angle nozzles reduce radius by 15%

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



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.