

G900 SERIES

Models: **G990 & G995**

Application: **Golf & Large Turf**

Radius: **73' to 104'**

Flow Rate: **29.5 to 83.8 GPM**

FEATURES

- Models:
 - G990 – Full circle
 - G995 – Adjustable arc (40° - 360°)
- Quick check 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: 73' to 103'
 - Discharge rate: 30.5 to 83.3 GPM
 - Pressure range: 80 to 120 PSI
- G995
 - Radius: 75' to 104'
 - Discharge rate: 29.5 to 83.8 GPM
 - Pressure range: 80 to 120 PSI
- All TTS rotors are pressure rated at 150 PSI

OPTIONS

- C – Check-O-Matic checks up to 25' in elevation change and readily converts to Normally Open Hydraulic with through the top connections
- D – Decoder-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, 190mA (350mA inrush) solenoid with captive plunger and internal downstream bleed

► = TTS and DIH Advanced Features detailed on pages 11-14



G990C

Pop-up height: 3"
Overall height: 13¼"
Flange diameter: 7½"
Female Inlet: 1½" ACME



G995E

Pop-up height: 3"
Overall height: 13¼"
Flange diameter: 7½"
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 (PSI)	Radius (FT.)	Flow (GPM)	Precip in/hr	
				■	▲
25 ● Lt. Blue	80	73	30.5	0.55	0.64
	90	75	32.4	0.55	0.64
	100	76	34.3	0.57	0.66
	110	78	36.5	0.58	0.67
	120	79	38.4	0.59	0.68
33 ● Gray	80	77	36.3	0.59	0.68
	90	78	38.4	0.61	0.70
	100	80	40.6	0.61	0.71
	110	81	42.7	0.63	0.72
	120	82	44.9	0.64	0.74
38 ● Red	80	80	40.6	0.61	0.71
	90	82	42.9	0.61	0.71
	100	83	45.3	0.63	0.73
	110	85	47.7	0.64	0.73
	120	86	50.2	0.65	0.75
43 ● Dk. Brown	80	83	46.2	0.65	0.75
	90	84	48.6	0.66	0.77
	100	85	50.9	0.68	0.78
	110	86	53.4	0.69	0.80
	120	87	55.9	0.71	0.82
48 ● Dk. Green	80	86	49.6	0.65	0.75
	90	89	52.5	0.64	0.74
	100	90	54.8	0.65	0.75
	110	91	57.3	0.67	0.77
	120	92	59.5	0.68	0.78
53 ● Dk. Blue	80	89	54.2	0.66	0.76
	90	90	56.7	0.67	0.78
	100	92	59.2	0.67	0.78
	110	93	61.7	0.69	0.79
	120	94	64.2	0.70	0.81
63 ● Black	80	92	63.2	0.72	0.83
	90	94	65.9	0.72	0.83
	100	96	69.4	0.72	0.84
	110	97	72.0	0.74	0.85
	120	98	74.9	0.75	0.87
73 ● Orange	80	96	72.1	0.75	0.87
	90	98	75.0	0.75	0.87
	100	99	77.8	0.76	0.88
	110	102	80.5	0.74	0.86
	120	103	83.3	0.76	0.87

G995 NOZZLE PERFORMANCE DATA*

Nozzle	Pressure (PSI)	Radius (FT.)	Flow (GPM)	Precip in/hr	
				■	▲
25 ● Lt. Blue	80	75	29.5	0.50	0.58
	90	76	31.5	0.52	0.61
	100	77	33.2	0.54	0.62
	110	78	35.6	0.56	0.65
	120	79	37.5	0.58	0.67
33 ● Gray	80	77	36.2	0.59	0.68
	90	78	38.2	0.60	0.70
	100	79	40.4	0.62	0.72
	110	81	42.6	0.62	0.72
	120	82	44.8	0.64	0.74
38 ● Red	80	80	40.6	0.61	0.71
	90	82	43.0	0.62	0.71
	100	84	45.4	0.62	0.72
	110	85	47.6	0.63	0.73
	120	86	50.0	0.65	0.75
43 ● Dk. Brown	80	84	46.1	0.63	0.73
	90	85	48.5	0.65	0.75
	100	85	50.7	0.68	0.78
	110	86	53.4	0.69	0.80
	120	87	55.7	0.71	0.82
48 ● Dk. Green	80	88	50.2	0.62	0.72
	90	89	52.6	0.64	0.74
	100	90	55.1	0.65	0.76
	110	92	57.5	0.65	0.76
	120	92	60.5	0.69	0.79
53 ● Dk. Blue	80	91	54.9	0.64	0.74
	90	91	57.2	0.66	0.77
	100	92	59.5	0.68	0.78
	110	93	62.1	0.69	0.80
	120	92	64.4	0.73	0.85
63 ● Black	80	93	62.3	0.69	0.80
	90	94	65.5	0.71	0.82
	100	95	69.0	0.74	0.85
	110	96	71.9	0.75	0.87
	120	98	74.7	0.75	0.86
73 ● Orange	80	96	72.7	0.76	0.88
	90	98	75.4	0.76	0.87
	100	100	78.1	0.75	0.87
	110	102	80.9	0.75	0.86
	120	104	83.8	0.75	0.86

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

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.