

G-900 SERIES



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

KEY BENEFITS

- G-990 is a dedicated, true full-circle model
- G-995 is an adjustable part-circle model (40° to 360°)
- Higher-flow, longer-radius rotor designed for single-row systems
- Contour back-nozzle capability for special applications

OPERATING SPECIFICATIONS

- G-990
 - Radius: 27.1 to 31.4 m
 - Flow: 12.31 to 18.92 m³/hr; 205.2 to 315.3 l/min
 - Pressure range: 5.5 to 8.3 bar; 550 to 830 kPa
- G-995
 - Radius: 24.7 to 29.6 m
 - Flow: 12.47 to 19.04 m³/hr; 207.8 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
- Check height up to 2 m in elevation change
- Nozzle range: 53 to 73
 - 3 standard trajectory (22.5°) nozzles
 - 3 low-angle trajectory (15°) nozzles

OPTIONS

- C – Check-O-Matic Technology 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 Technology with all “E” specifications below*
- DD – Two-station decoder Valve-in-Head Technology with all “E” specifications below*
- E – Electric Valve-in-Head Technology 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 DBRY-6 Splice Connectors for connection to the two-wire path. See **page 11** 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
G-990 = Full-circle	C = Check-O-Matic Technology* D = Decoder Valve-in-Head Technology DD = Two-station decoder Valve-in-Head Technology E = Electric Valve-in-Head Technology	53 to 73 = Installed G-990 nozzle*	P8 = 80 PSI; 5.5 bar; 550 kPa (nozzle 53) P1 = 100 PSI; 6.9 bar; 690 kPa (nozzles 53 to 73) P2 = 120 PSI; 8.3 bar; 830 kPa (nozzle 73)	S = SSU*
G-995 = Adjustable arc, 40° to 360°	C = Check-O-Matic Technology* D = Decoder Valve-in-Head Technology DD = Two-station decoder Valve-in-Head Technology E = Electric Valve-in-Head Technology *Converts to N.O. hydraulic Valve-in-Head Technology	53 to 73 = Installed G-995 nozzle* * SSU = 53	P8 = 80 PSI; 5.5 bar; 550 kPa (nozzle 53) P1 = 100 PSI; 6.9 bar; 690 kPa (nozzles 53 to 73) P2 = 120 PSI; 8.3 bar; 830 kPa (nozzle 73) * SSU = P8/53	S = SSU* *Standard stocking unit

Example:

G-990-E-53-P8-S = G-990 full-circle electric Valve-in-Head Technology, 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 ³ /hr	l/min		
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

G-995 NOZZLE PERFORMANCE DATA*							
Nozzle	Pressure		Radius**	Flow		Precip mm/hr	
	bar	kPa		m ³ /hr	l/min		
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

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