

# G800 SERIES

Model: **G880**  
Radius: **20.4 to 26.8 m**  
Flow: **5.11 to 13.15 m³/hr; 85.2 to 219.2 l/min**

### FEATURES

- Model: G880 – Full-circle
- Nozzle choices: 7 standard trajectory (25°)
- Nozzle range: #23 to #53
- Exclusive PressurePort™ nozzle technology
- Water-lubricated gear drive
  - ▶ All TTS advanced features
  - ▶ Decoder-In-Head (DIH) capable

### OPERATING SPECIFICATIONS

- Radius: 20.4 to 26.8 m
- Flow: 5.11 to 13.15 m³/hr; 85.2 to 219.2 l/min
- Pressure range: 4.5 to 6.9 bar; 450 to 690 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 3M DBRY-6 splices for connection to the two-wire path. See page 205 for critical recommendations on grounding DIH rotors.

▶ = TTS and DIH Advanced Features detailed on pages 174 and 176



**G880C**  
Pop-up height: 8 cm  
Overall height: 30 cm  
Flange diameter: 18 cm  
Female Inlet: 1½" ACME



**G880E**  
Pop-up height: 8 cm  
Overall height: 30 cm  
Flange diameter: 18 cm  
Female Inlet: 1½" ACME

| G880 – SPECIFICATION BUILDER: ORDER 1 + 2 + 3 + 4 + 5 |                                                                                                                                                                           |                                                                  |                                                                                                                   |                                          |
|-------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|------------------------------------------|
| 1 Model                                               | 2 Valve Options                                                                                                                                                           | 3 Nozzle                                                         | 4 Regulation*                                                                                                     | 5 Options                                |
| G880 = Full-Circle                                    | C = Check-O-Matic*<br>D = Decoder Valve-In-Head<br>DD = Two-station Decoder Valve-In-Head<br>E = Electric Valve-In-Head<br><br>* Converts to N.O. Hydraulic Valve-In-Head | 23 to 53 = Installed G880 Nozzle*<br><br>* SSU = #23, #25 or #48 | P6 = 65 PSI (nozzles 23 and 25)<br>P8 = 80 PSI (nozzles 23 to 53)<br><br>* SSU = P6/#23, P6/#25<br>P8/#25, P8/#48 | S = SSU*<br><br>* Standard Stocking Unit |

Example:  
G880 - E - 48 - P8 - S = G880 full-circle electric valve-in-head, installed #48 nozzle, 80 PSI regulation, standard stocking unit model

**G880 NOZZLE PERFORMANCE DATA\***

| Nozzle                   | Pressure |     | Radius | Flow               |       | Precip mm/hr |      |
|--------------------------|----------|-----|--------|--------------------|-------|--------------|------|
|                          | Bar      | kPa | m      | m <sup>3</sup> /hr | l/min | ■            | ▲    |
| <b>23</b> ●<br>Green     | 4.5      | 450 | 20.4   | 5.11               | 85.2  | 12.3         | 14.1 |
|                          | 4.8      | 480 | 21.0   | 5.43               | 90.5  | 12.3         | 14.2 |
|                          | 5.5      | 550 | 21.6   | 5.91               | 98.4  | 12.6         | 14.6 |
|                          | 6.2      | 620 | 21.9   | 6.34               | 105.6 | 13.2         | 15.2 |
|                          | 6.9      | 690 | 22.3   | 6.77               | 112.8 | 13.7         | 15.8 |
| <b>25</b> ●<br>Blue      | 4.5      | 450 | 21.6   | 6.54               | 109.0 | 14.0         | 16.1 |
|                          | 4.8      | 480 | 22.3   | 6.79               | 113.2 | 13.7         | 15.8 |
|                          | 5.5      | 550 | 22.6   | 7.29               | 121.5 | 14.3         | 16.5 |
|                          | 6.2      | 620 | 22.9   | 7.79               | 129.8 | 14.9         | 17.2 |
|                          | 6.9      | 690 | 23.2   | 8.18               | 136.3 | 15.2         | 17.6 |
| <b>33</b> ●<br>Grey      | 4.5      | 450 | 22.3   | 7.04               | 117.3 | 14.2         | 16.4 |
|                          | 4.8      | 480 | 22.6   | 7.31               | 121.9 | 14.4         | 16.6 |
|                          | 5.5      | 550 | 23.2   | 7.88               | 131.4 | 14.7         | 17.0 |
|                          | 6.2      | 620 | 23.5   | 8.40               | 140.1 | 15.3         | 17.6 |
|                          | 6.9      | 690 | 23.8   | 8.81               | 146.9 | 15.6         | 18.0 |
| <b>38</b> ●<br>Red       | 4.5      | 450 | 23.2   | 7.97               | 132.9 | 14.9         | 17.2 |
|                          | 4.8      | 480 | 23.5   | 8.25               | 137.4 | 15.0         | 17.3 |
|                          | 5.5      | 550 | 24.1   | 8.75               | 145.7 | 15.1         | 17.4 |
|                          | 6.2      | 620 | 24.4   | 9.20               | 153.3 | 15.5         | 17.9 |
|                          | 6.9      | 690 | 24.7   | 9.75               | 162.4 | 16.0         | 18.5 |
| <b>43</b> ●<br>Dk. Brown | 4.5      | 450 | 23.8   | 8.90               | 148.4 | 15.8         | 18.2 |
|                          | 4.8      | 480 | 24.1   | 9.27               | 154.4 | 16.0         | 18.5 |
|                          | 5.5      | 550 | 25.0   | 9.93               | 165.4 | 15.9         | 18.3 |
|                          | 6.2      | 620 | 25.3   | 10.56              | 176.0 | 16.5         | 19.1 |
|                          | 6.9      | 690 | 25.6   | 11.09              | 184.7 | 16.9         | 19.5 |
| <b>48</b> ●<br>Dk. Green | 4.5      | 450 | 25.0   | 9.95               | 165.8 | 15.9         | 18.4 |
|                          | 4.8      | 480 | 25.3   | 10.52              | 175.3 | 16.4         | 19.0 |
|                          | 5.5      | 550 | 25.9   | 11.13              | 185.5 | 16.6         | 19.1 |
|                          | 6.2      | 620 | 26.2   | 11.79              | 196.5 | 17.2         | 19.8 |
|                          | 6.9      | 690 | 26.5   | 12.36              | 205.9 | 17.6         | 20.3 |
| <b>53</b> ●<br>Dk. Blue  | 4.5      | 450 | 25.3   | 10.65              | 177.5 | 16.6         | 19.2 |
|                          | 4.8      | 480 | 25.6   | 11.15              | 185.9 | 17.0         | 19.6 |
|                          | 5.5      | 550 | 26.5   | 11.95              | 199.1 | 17.0         | 19.6 |
|                          | 6.2      | 620 | 26.8   | 12.45              | 207.4 | 17.3         | 20.0 |
|                          | 6.9      | 690 | 26.8   | 13.15              | 219.2 | 18.3         | 21.1 |

**G880 NOZZLES**

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

**TTS Equals Convenience and Versatility**

*With TTS, every serviceable component of the rotor can be easily accessed anytime with no servicing mess.*