

# G800 SERIES

Model: **G885**  
Radius: **11.3 to 28.7 m**  
Flow: **2.02 to 13.54 m³/hr; 33.7 to 225.6 l/min**

## FEATURES

- Model: G885 – True full-circle/adjustable part-circle (60° to 360°)
- QuickCheck™ arc mechanism
- QuickSet-360 arc mechanism
- Dual trajectory colour-coded nozzles:
  - 12 standard trajectory (22.5°)
  - 9 low-angle trajectory (15°)
- Nozzle range: #10 to #53
- Exclusive PressurePort™ nozzle technology
- Contour “Back-Nozzle” capabilities
- Ratcheting stainless steel riser
- Water-lubricated gear drive
- ▶ All TTS advanced features
- ▶ Decoder-In-Head (DIH) capable

## OPERATING SPECIFICATIONS

- Radius: 11.3 to 28.7 m
- Flow: 2.02 to 13.54 m³/hr; 33.7 to 225.6 l/min
- Pressure range: 3.4 to 6.9 bar; 340 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



### G885C

Pop-up height: 9.5 cm  
Overall height: 30 cm  
Flange diameter: 18 cm  
Female Inlet: 1½" ACME



### G885E

Pop-up height: 9.5 cm  
Overall height: 30 cm  
Flange diameter: 18 cm  
Female Inlet: 1½" ACME

| G885 – SPECIFICATION BUILDER: ORDER 1 + 2 + 3 + 4 + 5 |                                                                                                                                                                                                       |                                                                              |                                                                                                                                                                         |                                                 |
|-------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------|
| 1 Model                                               | 2 Valve Options                                                                                                                                                                                       | 3 Nozzle                                                                     | 4 Regulation*                                                                                                                                                           | 5 Options                                       |
| <b>G885</b> = Full/Part-Circle<br>60°-360° Arc Range  | <b>C</b> = Check-O-Matic*<br><b>D</b> = Decoder Valve-In-Head<br><b>DD</b> = Two-station Decoder Valve-In-Head<br><b>E</b> = Electric Valve-In-Head<br><br>* Converts to N.O. Hydraulic Valve-In-Head | <b>10 to 53</b> = Installed G885 Nozzle*<br><br>* SSU = #18, #23, #25 or #48 | <b>P5</b> = 50 PSI (nozzles 10 to 18)<br><b>P6</b> = 65 PSI (nozzles 18 to 25)<br><b>P8</b> = 80 PSI (nozzles 25 to 53)<br><br>* SSU = P5/#18, P6/#23<br>P8/#25, P8/#48 | <b>S</b> = SSU*<br><br>* Standard Stocking Unit |

**Example:**  
G885 - E - 48 - P8 - S = G885 full/part circle electric valve-in-head, installed #48 nozzle, 80 PSI regulation, standard stocking unit model

**G885 NOZZLE PERFORMANCE DATA\***

| Nozzle Set |                                                                                     |           | Pressure |     | Radius | Flow               |       | Precip mm/hr |      |
|------------|-------------------------------------------------------------------------------------|-----------|----------|-----|--------|--------------------|-------|--------------|------|
|            |                                                                                     |           | bar      | kPa | m      | m <sup>3</sup> /hr | l/min | ■            | ▲    |
| Orange     |    | Dk. Green | 3.4      | 344 | 11.3   | 2.02               | 33.7  | 15.9         | 18.4 |
|            |                                                                                     |           | 4.1      | 413 | 11.9   | 2.23               | 37.1  | 15.8         | 18.2 |
| 803603     |                                                                                     | 315312    | 4.5      | 450 | 12.5   | 2.32               | 38.6  | 14.8         | 17.1 |
| ●          | Lt. Green                                                                           | ●         | -        | -   | -      | -                  | -     | -            | -    |
| Orange     |    | White     | 3.4      | 344 | 14.3   | 2.59               | 43.2  | 12.6         | 14.6 |
|            |                                                                                     |           | 4.1      | 413 | 14.6   | 2.79               | 46.6  | 13.1         | 15.1 |
| 803603     |                                                                                     | 315314    | 4.5      | 450 | 14.9   | 2.93               | 48.8  | 13.1         | 15.2 |
| ●          | Lt. Blue                                                                            | ●         | -        | -   | -      | -                  | -     | -            | -    |
| Orange     |    | White     | 3.4      | 344 | 15.9   | 2.93               | 48.8  | 11.7         | 13.5 |
|            |                                                                                     |           | 4.1      | 413 | 15.9   | 3.29               | 54.9  | 13.1         | 15.1 |
| 803603     |                                                                                     | 315314    | 4.5      | 450 | 16.2   | 3.38               | 56.4  | 13.0         | 15.0 |
| ●          | White                                                                               | ●         | 4.8      | 482 | 16.2   | 3.52               | 58.7  | 13.5         | 15.6 |
|            |                                                                                     |           | 5.5      | 551 | 16.5   | 3.75               | 62.5  | 13.8         | 16.0 |
| Orange     |    | Lt. Green | 3.4      | 344 | 17.4   | 3.77               | 62.8  | 12.5         | 14.4 |
|            |                                                                                     |           | 4.1      | 413 | 17.7   | 4.04               | 67.4  | 12.9         | 14.9 |
| 803603     |                                                                                     | 315313    | 4.5      | 450 | 18.0   | 4.23               | 70.4  | 13.1         | 15.1 |
| ●          | Orange                                                                              | ●         | 4.8      | 482 | 18.3   | 4.41               | 73.4  | 13.2         | 15.2 |
|            |                                                                                     |           | 5.5      | 551 | 18.6   | 4.66               | 77.6  | 13.5         | 15.6 |
| Orange     |    | Lt. Green | 3.4      | 344 | 18.0   | 4.07               | 67.8  | 12.6         | 14.5 |
|            |                                                                                     |           | 4.1      | 413 | 18.6   | 4.43               | 73.8  | 12.8         | 14.8 |
| 803603     |                                                                                     | 315313    | 4.5      | 450 | 18.9   | 4.50               | 75.0  | 12.6         | 14.5 |
| ●          | Tan                                                                                 | ●         | 4.8      | 482 | 19.2   | 4.68               | 78.0  | 12.7         | 14.7 |
|            |                                                                                     |           | 5.5      | 551 | 19.5   | 5.02               | 83.7  | 13.2         | 15.2 |
| Orange     |   | Lt. Green | 3.4      | 344 | 19.8   | 4.59               | 76.5  | 11.7         | 13.5 |
|            |                                                                                     |           | 4.1      | 413 | 20.1   | 5.02               | 83.7  | 12.4         | 14.3 |
| 803603     |                                                                                     | 315313    | 4.5      | 450 | 20.4   | 5.43               | 90.5  | 13.0         | 15.0 |
| ●          | Green                                                                               | ●         | 4.8      | 482 | 20.4   | 5.50               | 91.6  | 13.2         | 15.2 |
|            |                                                                                     |           | 5.5      | 551 | 21.0   | 5.88               | 98.0  | 13.3         | 15.4 |
| Red        |  | Green     | 4.5      | 450 | 21.6   | 6.43               | 107.1 | 13.7         | 15.8 |
|            |                                                                                     |           | 4.8      | 482 | 21.9   | 6.66               | 110.9 | 13.8         | 16.0 |
| 803602     |                                                                                     | 315310    | 5.5      | 551 | 22.3   | 7.16               | 119.2 | 14.5         | 16.7 |
| ●          | Blue                                                                                | ●         | 6.2      | 620 | 22.6   | 7.59               | 126.4 | 14.9         | 17.2 |
|            |                                                                                     |           | 6.9      | 689 | 22.9   | 8.04               | 134.0 | 15.4         | 17.8 |
| Red        |  | Green     | 4.5      | 450 | 21.9   | 6.95               | 115.8 | 14.4         | 16.7 |
|            |                                                                                     |           | 4.8      | 482 | 22.3   | 7.18               | 119.6 | 14.5         | 16.7 |
| 803602     |                                                                                     | 315310    | 5.5      | 551 | 22.9   | 7.70               | 128.3 | 14.7         | 17.0 |
| ●          | Grey                                                                                | ●         | 6.2      | 620 | 23.5   | 8.13               | 135.5 | 14.8         | 17.0 |
|            |                                                                                     |           | 6.9      | 689 | 24.1   | 8.61               | 143.5 | 14.8         | 17.1 |
| Red        |  | Green     | 4.5      | 450 | 23.2   | 7.93               | 132.1 | 14.8         | 17.1 |
|            |                                                                                     |           | 4.8      | 482 | 23.8   | 8.22               | 137.0 | 14.5         | 16.8 |
| 803602     |                                                                                     | 315310    | 5.5      | 551 | 24.4   | 8.88               | 148.0 | 14.9         | 17.2 |
| ●          | Red                                                                                 | ●         | 6.2      | 620 | 25.0   | 9.36               | 156.0 | 15.0         | 17.3 |
|            |                                                                                     |           | 6.9      | 689 | 25.6   | 9.88               | 164.7 | 15.1         | 17.4 |
| Red        |  | Green     | -        | -   | -      | -                  | -     | -            | -    |
|            |                                                                                     |           | 4.8      | 482 | 24.7   | 9.36               | 156.0 | 15.4         | 17.7 |
| 803602     |                                                                                     | 315310    | 5.5      | 551 | 25.3   | 9.88               | 164.7 | 15.4         | 17.8 |
| ●          | Dk. Brown                                                                           | ●         | 6.2      | 620 | 26.2   | 10.49              | 174.9 | 15.3         | 17.6 |
|            |                                                                                     |           | 6.9      | 689 | 27.1   | 11.06              | 184.3 | 15.0         | 17.4 |
| Dk. Red    |  | Dk. Green | -        | -   | -      | -                  | -     | -            | -    |
|            |                                                                                     |           | 4.8      | 482 | 25.3   | 10.52              | 175.3 | 16.4         | 19.0 |
| 803601     |                                                                                     | 315312    | 5.5      | 551 | 25.9   | 10.99              | 183.2 | 16.4         | 18.9 |
| ●          | Dk. Green                                                                           | ●         | 6.2      | 620 | 27.1   | 11.74              | 195.7 | 16.0         | 18.4 |
|            |                                                                                     |           | 6.9      | 689 | 27.7   | 12.38              | 206.3 | 16.1         | 18.6 |
| Dk. Red    |  | Dk. Green | -        | -   | -      | -                  | -     | -            | -    |
|            |                                                                                     |           | 4.8      | 482 | 26.5   | 11.52              | 191.9 | 16.4         | 18.9 |
| 803601     |                                                                                     | 315312    | 5.5      | 551 | 27.1   | 12.06              | 201.0 | 16.4         | 18.9 |
| ●          | Dk. Blue                                                                            | ●         | 6.2      | 620 | 28.0   | 12.81              | 213.5 | 16.3         | 18.8 |
|            |                                                                                     |           | 6.9      | 689 | 28.7   | 13.54              | 225.6 | 16.5         | 19.0 |

● = Nozzle plug P/N 315300 installed in the back side of the nozzle housing.

\* 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.

**G885 STANDARD NOZZLES****G885 LOW-ANGLE NOZZLES\*\***

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

**Contour "Back-Nozzle" Capabilities**

Whether you want a little extra green behind your adjustable arc G885 rotors or a more "modeled" look to your fairway's hard edges, Contour "Back-Nozzles" are here to make your vision a reality. Choose from four short-range or four mid-range nozzles to suit your needs.

**CONTOUR BACK-NOZZLE PERFORMANCE DATA**

| P/N    | Colour    | Profile                                                                               | 4.5 Bar |      | 5.5 Bar |      |
|--------|-----------|---------------------------------------------------------------------------------------|---------|------|---------|------|
|        |           |                                                                                       | Metres  | L/M  | Metres  | L/M  |
| 803604 | Peach     |  | 7.6     | 12.9 | 8.2     | 14.8 |
| 803603 | Orange    |  | 8.5     | 14.4 | 8.8     | 15.9 |
| 803602 | Red       |  | 9.4     | 15.9 | 10.1    | 17.0 |
| 803601 | Dk. Red   |  | 10.4    | 17.4 | 11.0    | 18.5 |
| 315314 | White     |  | 11.3    | 10.6 | 11.6    | 11.0 |
| 315313 | Lt. Green |  | 12.8    | 16.3 | 13.4    | 17.8 |
| 315310 | Green     |  | 14.0    | 19.7 | 14.6    | 21.6 |
| 315312 | Dk. Green |  | 14.9    | 29.9 | 15.5    | 33.3 |

**G885 CONTOUR BACK-NOZZLES****QuickSet-360 with Ratcheting Riser**

Setting up your adjustable arc G885 is fast and simple. The integrated ratcheting mechanism allows a simple twist of the riser to align the right-side reversing point. The G885 is also easily convertible to a true non-reversing full-circle rotor with our exclusive QuickSet-360 feature.