

# B SERIES

Models: **G80B & G85B**  
 Application: **Golf & Large Turf**  
 Radius: **43' to 91'**  
 Flow Rate: **8.2 to 57.9 GPM**

## FEATURES

- Models:
  - G80B: Full circle opposing nozzles
  - G85B: True full circle/adjustable part circle (60° to 360°)
- QuickCheck arc mechanism (G85B)
- QuickSet-360 arc mechanism (G85B)
- Dual trajectory color-coded nozzles:
  - G80B: 6 standard trajectory (25°)
  - G85B: 12 standard trajectory (22.5°)
  - G85B: 9 low-angle trajectory (15°)
- Nozzle range:
  - G80B: #25 to #53
  - G85B: #10 to #53
- Exclusive PressurePort™ nozzle technology
- Contour “Back-Nozzle” capabilities (G85B)
- Ratcheting stainless steel riser (G85B)
- Water lubricated gear-drive
- Check height up to 7' in elevation change

## OPERATING SPECIFICATIONS

- G80B
  - Radius: 67' to 88'
  - Discharge rate: 22.5 to 57.9 GPM
  - Pressure range: 65 to 100 PSI
- G85B
  - Radius: 43' to 91'
  - Discharge rate: 8.2 to 57.5 GPM
  - Pressure range: 50 to 100 PSI
- All B Series rotors are pressure rated at 150 PSI



**G80B**  
 Pop-up height: 3"  
 Overall height: 9<sup>5</sup>/<sub>8</sub>"  
 Flange diameter: 5<sup>3</sup>/<sub>8</sub>"  
 Female Inlet: 1/4" ACME



**G85B**  
 Pop-up height: 3<sup>3</sup>/<sub>4</sub>"  
 Overall height: 9<sup>5</sup>/<sub>8</sub>"  
 Flange diameter: 5<sup>3</sup>/<sub>8</sub>"  
 Female Inlet: 1/4" ACME

### G80B & G85B - SPECIFICATION BUILDER: ORDER 1 + 2 + 3 + 4

| 1 Model                                  | 2 Valve Options                         | 3 Nozzle  | 4 Options*                                  |
|--|---|---|---|
| <b>G80</b> = Full Circle                 | <b>B</b> = Block rotor with check valve | <b>25</b> = Installed G80 Nozzle*<br><b>48</b> = Installed G80 Nozzle*<br>* Available in SSU models only<br>SSU = #25 & #48<br>Includes nozzle pack   | <b>S</b> = SSU*<br>* Standard Stocking Unit |
| <b>G85</b> = Full/Part Circle 60° - 360° | <b>B</b> = Block rotor with check valve | <b>18</b> = Installed G85 Nozzle**<br><b>25</b> = Installed G85 Nozzle**<br><b>48</b> = Installed G85 Nozzle**<br>** Available in SSU models only<br>SSU = #18, #25 & #48<br>Includes nozzle pack | <b>S</b> = SSU*<br>* Standard Stocking Unit |

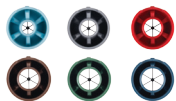
**Example:**  
 G80 - B - 25 - S = G80 full circle block rotor, installed #25 nozzle with nozzle pack, standard stocking unit model

**G80B NOZZLE PERFORMANCE DATA\***

| Nozzle                   | Pressure (PSI) | Radius (FT.) | Flow (GPM) | Precip in/hr |      |
|--------------------------|----------------|--------------|------------|--------------|------|
|                          |                |              |            | ■            | ▲    |
| <b>25</b> ●<br>Lt. Blue  | 65             | 67           | 22.5       | 0.48         | 0.56 |
|                          | 70             | 69           | 23.9       | 0.48         | 0.56 |
|                          | 80             | 71           | 26.0       | 0.50         | 0.57 |
|                          | 90             | 72           | 27.9       | 0.52         | 0.60 |
|                          | 100            | 73           | 29.8       | 0.54         | 0.62 |
| <b>33</b> ●<br>Gray      | 65             | 73           | 31.0       | 0.56         | 0.65 |
|                          | 70             | 74           | 32.2       | 0.57         | 0.65 |
|                          | 80             | 76           | 34.7       | 0.58         | 0.67 |
|                          | 90             | 77           | 37.0       | 0.60         | 0.69 |
|                          | 100            | 78           | 38.8       | 0.61         | 0.71 |
| <b>38</b> ●<br>Red       | 65             | 76           | 35.1       | 0.58         | 0.68 |
|                          | 70             | 77           | 36.3       | 0.59         | 0.68 |
|                          | 80             | 79           | 38.5       | 0.59         | 0.69 |
|                          | 90             | 80           | 40.5       | 0.61         | 0.70 |
|                          | 100            | 81           | 42.9       | 0.63         | 0.73 |
| <b>43</b> ●<br>Dk. Brown | 65             | 78           | 39.2       | 0.62         | 0.72 |
|                          | 70             | 79           | 40.8       | 0.63         | 0.73 |
|                          | 80             | 82           | 43.7       | 0.63         | 0.72 |
|                          | 90             | 83           | 46.5       | 0.65         | 0.75 |
|                          | 100            | 84           | 48.8       | 0.67         | 0.77 |
| <b>48</b> ●<br>Dk. Green | 65             | 82           | 43.8       | 0.63         | 0.72 |
|                          | 70             | 83           | 46.3       | 0.65         | 0.75 |
|                          | 80             | 85           | 49.0       | 0.65         | 0.75 |
|                          | 90             | 86           | 51.9       | 0.68         | 0.78 |
|                          | 100            | 87           | 54.4       | 0.69         | 0.80 |
| <b>53</b> ●<br>Dk. Blue  | 65             | 83           | 46.9       | 0.66         | 0.76 |
|                          | 70             | 84           | 49.1       | 0.67         | 0.77 |
|                          | 80             | 87           | 52.6       | 0.67         | 0.77 |
|                          | 90             | 88           | 54.8       | 0.68         | 0.79 |
|                          | 100            | 88           | 57.9       | 0.72         | 0.83 |

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

**G80B NOZZLES**



**G85B NOZZLES**



**G85B LOW-ANGLE NOZZLES\*\***



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

**G85B NOZZLE PERFORMANCE DATA\***

| Nozzle Set             |                        |           | Pressure (PSI) | Radius (FT.) | Flow (GPM) | Precip in/hr |      |
|------------------------|------------------------|-----------|----------------|--------------|------------|--------------|------|
|                        |                        |           |                |              |            | ■            | ▲    |
| Peach<br>803604<br>●   | <b>10</b><br>Lt. Green | White     | 50             | 43           | 8.2        | 0.43         | 0.49 |
|                        |                        | White     | 60             | 44           | 9.8        | 0.49         | 0.56 |
|                        |                        | White     | 65             | 45           | 10.1       | 0.48         | 0.55 |
|                        |                        | -         | -              | -            | -          | -            | -    |
|                        |                        | -         | -              | -            | -          | -            | -    |
| Peach<br>803604<br>●   | <b>13</b><br>Lt. Blue  | White     | 50             | 48           | 11.7       | 0.49         | 0.56 |
|                        |                        | White     | 60             | 50           | 12.8       | 0.49         | 0.57 |
|                        |                        | White     | 65             | 51           | 13.4       | 0.50         | 0.57 |
|                        |                        | -         | -              | -            | -          | -            | -    |
|                        |                        | -         | -              | -            | -          | -            | -    |
| Peach<br>803604<br>●   | <b>15</b><br>White     | White     | 50             | 52           | 13.3       | 0.47         | 0.55 |
|                        |                        | White     | 60             | 53           | 14.7       | 0.50         | 0.58 |
|                        |                        | White     | 65             | 54           | 15.2       | 0.50         | 0.58 |
|                        |                        | White     | 70             | 55           | 15.7       | 0.50         | 0.58 |
|                        |                        | White     | 80             | 57           | 17.0       | 0.50         | 0.58 |
| Orange<br>803603<br>●  | <b>18</b><br>Orange    | White     | 50             | 55           | 16.7       | 0.53         | 0.61 |
|                        |                        | White     | 60             | 57           | 17.8       | 0.53         | 0.61 |
|                        |                        | White     | 65             | 58           | 18.2       | 0.52         | 0.60 |
|                        |                        | White     | 70             | 58           | 19.3       | 0.55         | 0.64 |
|                        |                        | White     | 80             | 59           | 20.6       | 0.57         | 0.66 |
| Orange<br>803603<br>●  | <b>20</b><br>Tan       | Lt. Green | 50             | 58           | 18.4       | 0.53         | 0.61 |
|                        |                        | Lt. Green | 60             | 60           | 19.6       | 0.52         | 0.61 |
|                        |                        | Lt. Green | 65             | 61           | 20.5       | 0.53         | 0.61 |
|                        |                        | Lt. Green | 70             | 61           | 21.5       | 0.56         | 0.64 |
|                        |                        | Lt. Green | 80             | 62           | 22.6       | 0.57         | 0.65 |
| Orange<br>803603<br>●  | <b>23</b><br>Green     | Lt. Green | 50             | 61           | 21.0       | 0.54         | 0.63 |
|                        |                        | Lt. Green | 60             | 63           | 22.8       | 0.55         | 0.64 |
|                        |                        | Lt. Green | 65             | 65           | 23.9       | 0.54         | 0.63 |
|                        |                        | Lt. Green | 70             | 66           | 25.8       | 0.57         | 0.66 |
|                        |                        | Lt. Green | 80             | 67           | 27.9       | 0.60         | 0.69 |
| Red<br>803602<br>●     | <b>25</b><br>Blue      | Green     | 65             | 69           | 29.4       | 0.59         | 0.69 |
|                        |                        | Green     | 70             | 70           | 30.5       | 0.60         | 0.69 |
|                        |                        | Green     | 80             | 71           | 32.4       | 0.62         | 0.72 |
|                        |                        | Green     | 90             | 72           | 34.2       | 0.63         | 0.73 |
|                        |                        | Green     | 100            | 73           | 36.3       | 0.66         | 0.76 |
| Red<br>803602<br>●     | <b>33</b><br>Grey      | Green     | 65             | 69           | 31.0       | 0.63         | 0.72 |
|                        |                        | Green     | 70             | 71           | 31.8       | 0.61         | 0.70 |
|                        |                        | Green     | 80             | 73           | 34.5       | 0.62         | 0.72 |
|                        |                        | Green     | 90             | 74           | 36.7       | 0.65         | 0.74 |
|                        |                        | Green     | 100            | 76           | 38.5       | 0.64         | 0.74 |
| Red<br>803602<br>●     | <b>38</b><br>Red       | Green     | 65             | 73           | 35.1       | 0.63         | 0.73 |
|                        |                        | Green     | 70             | 75           | 36.7       | 0.63         | 0.72 |
|                        |                        | Green     | 80             | 79           | 39.4       | 0.61         | 0.70 |
|                        |                        | Green     | 90             | 79           | 41.2       | 0.64         | 0.73 |
|                        |                        | Green     | 100            | 80           | 42.9       | 0.65         | 0.75 |
| Red<br>803602<br>●     | <b>43</b><br>Dk. Brown | Green     | -              | -            | -          | -            | -    |
|                        |                        | Green     | 80             | 80           | 43.5       | 0.65         | 0.76 |
|                        |                        | Green     | 90             | 81           | 46.4       | 0.68         | 0.79 |
|                        |                        | Green     | 100            | 83           | 48.7       | 0.68         | 0.79 |
|                        |                        | Green     | -              | -            | -          | -            | -    |
| Red<br>803602<br>●     | <b>48</b><br>Dk. Green | Dk. Green | -              | -            | -          | -            | -    |
|                        |                        | Dk. Green | 80             | 85           | 49.3       | 0.66         | 0.76 |
|                        |                        | Dk. Green | 90             | 86           | 52.2       | 0.68         | 0.78 |
|                        |                        | Dk. Green | 100            | 88           | 54.7       | 0.68         | 0.79 |
|                        |                        | Dk. Green | -              | -            | -          | -            | -    |
| Dk. Red<br>803601<br>● | <b>53</b><br>Dk. Blue  | Dk. Green | -              | -            | -          | -            | -    |
|                        |                        | Dk. Green | 80             | 89           | 52.8       | 0.64         | 0.74 |
|                        |                        | Dk. Green | 90             | 90           | 55.2       | 0.66         | 0.76 |
|                        |                        | Dk. Green | 100            | 91           | 57.5       | 0.67         | 0.77 |
|                        |                        | Dk. Green | -              | -            | -          | -            | -    |

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

\* Preliminary performance data. Nozzles #10 thru #20 and low-angle nozzles available summer 2013.

GOLF ROTORS