

# B SERIES

Models: **G84B & G85B**  
 Radius: **13.1 to 28.3 m**  
 Flow: **1.86 to 13.24 m<sup>3</sup>/hr; 31.0 to 220.6 l/min**

## FEATURES

- Models:
  - G84B: 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 colour-coded nozzles:
  - G84B: 10 standard trajectory (22.5°)
  - G85B: 12 standard trajectory (22.5°)
- G84B & G85B: 9 low-angle trajectory (15°)
- Nozzle range:
  - G84B: #15 to #53
  - G85B: #10 to #53
- Exclusive PressurePort™ nozzle technology
- Contour “Back-Nozzle” capabilities (G85B)
- Ratcheting stainless steel riser
- Water lubricated gear-drives
- Check height up to 3 m in elevation change

## OPERATING SPECIFICATIONS

- G84B
  - Radius: 14.9 to 28.3 m
  - Flow: 3.28 to 13.24 m<sup>3</sup>/hr; 54.6 to 220.6 l/min
  - Pressure range: 3.4 to 6.9 bar; 340 to 690 kPa
- G85B
  - Radius: 13.1 to 27.7 m
  - Flow: 1.86 to 13.06 m<sup>3</sup>/hr; 31,0 to 217.7 l/min
  - Pressure range: 3.4 to 6.9 bar; 340 to 690 kPa
- All B Series rotors are pressure rated at 10 bar; 1,000 kPa



**G84B**  
 Pop-up height: 9.5 cm  
 Overall height: 24.5 cm  
 Flange diameter: 13.7 cm  
 Female Inlet: 1/4" ACME



**G85B**  
 Pop-up height: 9.5 cm  
 Overall height: 24.5 cm  
 Flange diameter: 13.7 cm  
 Female Inlet: 1/4" ACME

### G84B & G85B - SPECIFICATION BUILDER: ORDER 1 + 2 + 3 + 4

1 Model	2 Valve Options	3 Nozzle	4 Options*
<b>G84</b> = Full Circle	<b>B</b> = Block rotor with check valve	<b>15 to 53</b> = Installed G84 Nozzle* * SSU = #18, #25 & #48	<b>S</b> = SSU* * Standard Stocking Unit
<b>G85</b> = Full/Part Circle 60° - 360°	<b>B</b> = Block rotor with check valve	<b>10 to 53</b> = Installed G85 Nozzle** ** SSU = #18, #25 & #48	<b>S</b> = SSU* * Standard Stocking Unit

**Example:**  
**G84 - B - 25 - S** = G80 full circle block rotor, installed #25 nozzle, standard stocking unit model

**G84B NOZZLE PERFORMANCE DATA\***

Nozzle Set			Pressure		Radius	Flow		Precip mm/hr		
Nozzle	Color	P/N	bar	kPa	m	m <sup>3</sup> /hr	l/min	■	▲	
			●	●	●	3.4	340	14.9	3.28	54.6
Tan 803611	White 15	Grey 315317	4.1	410	15.5	3.65	60.8	15.1	17.4	
			4.5	450	15.9	3.81	63.5	15.2	17.5	
			4.8	480	16.2	3.90	65.1	15.0	17.3	
			5.5	550	16.8	4.13	68.9	14.7	17.0	
Tan 803611	Orange 18	Grey 315317	3.4	340	16.8	3.97	66.1	14.1	16.3	
			4.1	410	17.1	4.28	71.3	14.7	17.0	
			4.5	450	17.4	4.45	74.1	14.7	17.0	
			4.8	480	18.0	4.66	77.6	14.4	16.6	
Tan 803611	Brown 20	Grey 315317	3.4	340	17.4	3.91	65.2	13.0	15.0	
			4.1	410	18.6	4.28	71.3	12.4	14.3	
			4.5	450	18.9	4.47	74.4	12.5	14.4	
			4.8	480	19.2	4.67	77.9	12.7	14.6	
Tan 803611	Green 23	Lt. Blue 315311	3.4	340	19.2	4.49	74.8	12.2	14.1	
			4.1	410	19.8	4.99	83.2	12.7	14.7	
			4.5	450	20.1	5.19	86.5	12.8	14.8	
			4.8	480	20.4	5.41	90.1	13.0	15.0	
Tan 803611	Blue 25	Lt. Blue 315311	4.5	450	21.6	6.50	108.3	13.9	16.0	
			4.8	480	22.3	6.75	112.5	13.6	15.7	
			5.5	550	22.6	7.19	119.8	14.1	16.3	
			6.2	620	22.9	7.65	127.5	14.6	16.9	
Tan 803611	Grey 33	Lt. Blue 315311	4.5	450	22.3	7.02	117.0	14.2	16.4	
			4.8	480	22.9	7.30	121.7	14.0	16.1	
			5.5	550	23.2	7.81	130.1	14.6	16.8	
			6.2	620	23.5	8.24	137.3	15.0	17.3	
Tan 803611	Red 38	Lt. Blue 315311	4.5	450	22.9	7.96	132.6	15.2	17.6	
			4.8	480	23.2	8.29	138.1	15.4	17.8	
			5.5	550	23.8	8.85	147.5	15.7	18.1	
			6.2	620	24.1	9.38	156.3	16.2	18.7	
Tan 803611	Dk. Brown 43	Blue 315300	-	-	-	-	-	-	-	
			5.5	550	25.3	9.85	164.1	15.4	17.8	
			6.2	620	25.9	10.52	175.3	15.7	18.1	
			6.9	690	26.5	11.04	183.9	15.7	18.1	
Dk. Brown 803610	Dk. Green 48	Dk. Blue 833500	-	-	-	-	-	-	-	
			5.5	550	25.9	10.88	181.2	16.2	18.7	
			6.2	620	27.1	11.46	191.0	15.6	18.0	
			6.9	690	27.7	12.08	201.4	15.7	18.1	
Dk. Brown 803610	Dk. Blue 53	Dk. Blue 833500	-	-	-	-	-	-	-	
			5.5	550	27.1	11.86	197.7	16.1	18.6	
			6.2	620	27.7	12.58	209.6	16.3	18.9	
			6.9	690	28.3	13.24	220.6	16.5	19.0	

**G84B NOZZLES**



**G85B NOZZLES**



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



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

**G85B NOZZLE PERFORMANCE DATA**

Nozzle Set			Pressure		Radius	Flow		Precip mm/hr			
Nozzle	Color	P/N	bar	kPa	m	m <sup>3</sup> /hr	l/min	■	▲		
			●	●	●	3.4	340	13.1	1.86	31.0	10.8
Orange 803603	Lt. Green 10	Dk. Green 315312	4.1	410	13.4	2.23	37.1	12.4	14.3		
			4.5	450	13.7	2.29	38.2	12.2	14.1		
			-	-	-	-	-	-	-	-	
			-	-	-	-	-	-	-	-	
Orange 803603	Lt. Blue 13	White 315314	3.4	340	14.6	2.66	44.3	12.4	14.3		
			4.1	410	15.2	2.91	48.5	12.5	14.5		
			4.5	450	15.5	3.04	50.7	12.6	14.5		
			-	-	-	-	-	-	-	-	
Orange 803603	White 15	White 315314	3.4	340	15.9	3.02	50.3	12.0	13.9		
			4.1	410	16.2	3.34	55.6	12.8	14.8		
			4.5	450	16.5	3.45	57.5	12.7	14.7		
			-	-	-	-	-	-	-	-	
Orange 803603	Lt. Green 18	Lt. Green 315313	3.4	340	16.8	3.79	63.2	13.5	15.6		
			4.1	410	17.4	4.04	67.4	13.4	15.5		
			4.5	450	17.7	4.13	68.9	13.2	15.3		
			-	-	-	-	-	-	-	-	
Orange 803603	Tan 20	Lt. Green 315313	3.4	340	17.7	4.18	69.7	13.4	15.4		
			4.1	410	18.3	4.45	74.2	13.3	15.4		
			4.5	450	18.6	4.66	77.6	13.5	15.6		
			4.8	480	18.6	4.88	81.4	14.1	16.3		
Orange 803603	Green 23	Lt. Green 315313	3.4	340	18.6	4.78	79.6	13.8	16.0		
			4.1	410	19.2	5.18	86.3	14.0	16.2		
			4.5	450	19.8	5.43	90.5	13.8	16.0		
			4.8	480	20.1	5.86	97.7	14.5	16.7		
Red 803602	Blue 25	Green 315310	4.5	450	21.0	6.68	111.3	15.1	17.4		
			4.8	480	21.3	6.92	115.3	15.2	17.6		
			5.5	550	21.6	7.37	122.8	15.7	18.2		
			6.2	620	21.9	7.77	129.5	16.1	18.6		
Red 803602	Grey 33	Green 315310	4.5	450	22.3	8.25	137.4	16.7	19.2		
			-	-	-	-	-	-	-	-	
			5.5	550	22.3	7.83	130.4	15.8	18.3		
			6.2	620	22.6	8.34	138.9	16.4	18.9		
Red 803602	Red 38	Green 315310	4.5	450	23.2	8.75	145.7	16.3	18.8		
			-	-	-	-	-	-	-	-	
			5.5	550	24.1	8.94	149.0	15.4	17.8		
			6.2	620	24.1	9.36	156.0	16.1	18.6		
Red 803602	Dk. Brown 43	Green 315310	4.5	450	24.4	9.75	162.4	16.4	18.9		
			-	-	-	-	-	-	-	-	
			5.5	550	24.4	9.88	164.7	16.6	19.2		
			6.2	620	24.7	10.54	175.6	17.3	20.0		
Dk. Red 803601	Dk. Green 48	Dk. Green 315312	4.5	450	25.3	11.06	184.3	17.3	20.0		
			-	-	-	-	-	-	-	-	
			5.5	550	25.9	11.20	186.6	16.7	19.3		
			6.2	620	26.2	11.86	197.6	17.3	19.9		
Dk. Red 803601	Dk. Blue 53	Dk. Green 315312	4.5	450	26.8	12.43	207.1	17.3	19.9		
			-	-	-	-	-	-	-	-	
			5.5	550	27.1	11.98	199.7	16.3	18.8		
			6.2	620	27.4	12.54	209.0	16.7	19.2		
●	●	●	6.9	690	27.7	13.06	217.7	17.0	19.6		
			-	-	-	-	-	-	-	-	

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

\* Preliminary performance data.