

Operating Range

- Pressure: 15 to 200 psi (1.04 to 13.8 bar)
- PRS-Dial regulates up to 100 psi (6.9 bar)
- Flow with/without PRS-Dial: 5 to 200 gpm (1.14 to 45.40 m³/h; 19.2 to 757 l/m)
- Water temperature: Up to 150° F (66° C)
- Ambient temperature: Up to 150° F (66° C)

Electrical Specifications

- 24 VAC 50/60 Hz (cycles/sec) solenoid
- Inrush current: 0.41 A (9.84 VA) at 60Hz
- Holding current: 0.28 A (6.72 VA) at 60Hz
- Coil resistance: 30-39 ohms

Dimensions

Model	Height	Length	Width
• 100-GB-R:	6" (15.2 cm)	4½" (11.4 cm)	2¼" (5.7 cm)
• 125-GB-R:	5¾" (14.6 cm)	5" (12.7 cm)	3" (7.6 cm)
• 150-GB-R:	6½" (16.5 cm)	5½" (14 cm)	4" (10, 2 cm)
• 200-GB-R:	7" (17.8 cm)	6¾" (17.1 cm)	5¼" (13.3 cm)

Note: The PRS-Dial option adds 2" (5.1 cm) to the valve height

Models

- 100-GB-R: 1" (26/34)
- 125-GB-R: 1¼" (33/42)
- 150-GB-R: 1½" (40/49)
- 200-GB-R: 2" (50/60)

BSP threads unavailable

Recommendations

1. Rain Bird recommends flow rates in the supply line not to exceed 7.5 ft/sec (2.29 m/s) in order to reduce the effects of water hammer
2. For flows below 5 gpm (1.14 m³/h; 19.21 l/m), Rain Bird recommends use of upstream filtration to prevent debris from collecting below the diaphragm
3. For flows below 10 gpm (2.27 m³/h; 37.8 l/m) Rain Bird recommends the flow control stem be turned down two full turns from the fully open position

GB-R Series Valve Pressure Loss (psi)

Flow gpm	100-GB-R 1"	125-GB-R 1¼"	150-GB-R 1½"	200-GB-R 2"
5	0.4	-	-	-
10	0.8	-	-	-
15	1.2	-	-	-
20	2.1	1.4	2.3	0.6
30	5.0	2.3	2.9	0.7
40	8.2	4.1	2.0	0.9
50	13.0	6.8	3.3	1.1
60	-	9.8	4.6	1.7
80	-	16.5	7.5	2.6
100	-	-	11.8	3.9
120	-	-	16.6	5.9
140	-	-	-	7.8
160	-	-	-	10.0
180	-	-	-	12.4
200	-	-	-	15.1

GB-R Series Valve Pressure Loss (bar)

Flow m ³ /h	Flow l/m	100-GB-R 2.5 cm	125-GB-R 3.8 cm	150-GB-R 3.8 cm	200-GB-R 5.1 cm
1	19	0.03	-	-	-
3	50	0.07	-	-	-
6	100	0.27	0.14	0.19	0.05
9	150	0.56	0.28	0.14	0.06
12	200	-	0.53	0.25	0.09
15	250	-	0.82	0.38	0.14
18	300	-	1.12	0.51	0.18
21	350	-	-	0.70	0.24
24	400	-	-	0.91	0.31
27	450	-	-	1.13	0.40
30	500	-	-	-	0.49
33	550	-	-	-	0.58
36	600	-	-	-	0.68
39	650	-	-	-	0.79
42	700	-	-	-	0.90
45	757	-	-	-	1.04

Notes

1. Loss values are with flow control fully open
2. PRS-Dial recommended for use in shaded area only