

## EFB-CP Series Brass Valves

Highly durable Brass Irrigation Valves - Globe Configuration

EFB-CP Series Valve Pressure Loss (psi)			
Flow gpm	100-EFB-CP 1"	150-EFB-CP 1½"	200-EFB-CP 2"
5	0.2	-	-
10	0.7	-	-
15	1.2	-	-
20	2.1	2.3	0.5
30	5	2.9	0.6
40	8.2	2	0.8
50	13	3.3	1.1
60	-	4.6	1.8
80	-	7.5	2.4
100	-	11.8	3.8
120	-	16.6	5.9
140	-	-	7.8
160	-	-	10
180	-	-	12.5
200	-	-	15.8

EFB-CP Series Valve Pressure Loss (bar)				METRIC
Flow m³/h	Flow l/m	100-EFB-CP 2.5cm	150-EFB-CP 3.8cm	200-EFB-CP 5.1cm
1	19	0.01	-	-
3	50	0.07	-	-
6	100	0.27	0.19	0.04
9	150	0.56	0.14	0.05
12	200	-	0.25	0.09
15	250	-	0.38	0.14
18	300	-	0.51	0.16
21	350	-	0.70	0.23
24	400	-	0.91	0.30
27	450	-	1.13	0.40
30	500	-	-	0.49
33	550	-	-	0.58
36	600	-	-	0.68
39	650	-	-	0.79
42	700	-	-	0.92
45	757	-	-	1.09

**Notes**

1. Loss values are with flow control fully open
2. PRS-Dial module recommended for all flow rates

**Options**

- Accommodates optional, field installed PRS-D pressure regulating module to ensure optimum sprinkler performance. Regulates up to 100 psi (6.9 bar)
- Accepts latching solenoid for use with Rain Bird battery-operated controllers up to 150 psi (10.35 bar)
- Compatible with ESP-LXD decoders

**Specifications**

- Pressure: to 200 psi (1.04 to 13.80 bar)
- Flow with/without PRS-D: 5 to 200 GPM (1.14 to 45.40 m³/h; 0.32 to 12.60 l/s)
- Temperature: up to 150° F (66° C)
- 24VAC 50/60Hz (cycles/sec) solenoid power requirement
- Inrush current: 0.41A (9.9VA) at 50/60Hz
- Holding current: 0.14A (3.43VA) at 50/60Hz
- Solenoid coil resistance: 30-39 Ohms, nominal

**Dimensions**

Model	Height	Length	Width
• 100-EFB-CP:	6" (15.2 cm)	4½" (11.4 cm)	3¼" (8.3 cm)
• 150-EFB-CP:	6½" (16.5 cm)	5½" (14 cm)	4½" (11.4 cm)
• 200-EFB-CP:	7" (17.8 cm)	6¾" (17.1 cm)	5¾" (14.6 cm)

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

**Models**

- 100-EFB-CP: 1" NPT\*
- 150-EFB-CP: 1½" NPT\*
- 200-EFB-CP: 2" NPT\*

\* BSP threads available; specify when ordering

**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



Purple handle cover included to designate non-potable water

**How to Specify**

100 - EFB-CP - PRS-D		
Size	Model EFB-CP	Optional Feature PRS-Dial: pressure regulating module (must be ordered separately)
100: 1" NPT		
150: 1½" NPT		
200: 2" NPT		

*Note: Valve and PRS-Dial module must be ordered separately.*