



VALVES

BRONZE BULLET SERIES

✓ Superior Material

- Bronze body and cover with stainless steel bolts
- Bronze material with 82% copper content

✓ Unmatched Manual Bleed

- Easy-to-use internal manual bleed lever; bleeds valve downstream; has positive stops for open and closed positions

✓ Shocking Shock Cone

- Brass shock cone for smooth operation and reduction of water hammer

✓ Revolutionary Reverse Flow Design

- Reverse flow design for water conservation in the event of failure

FEATURES

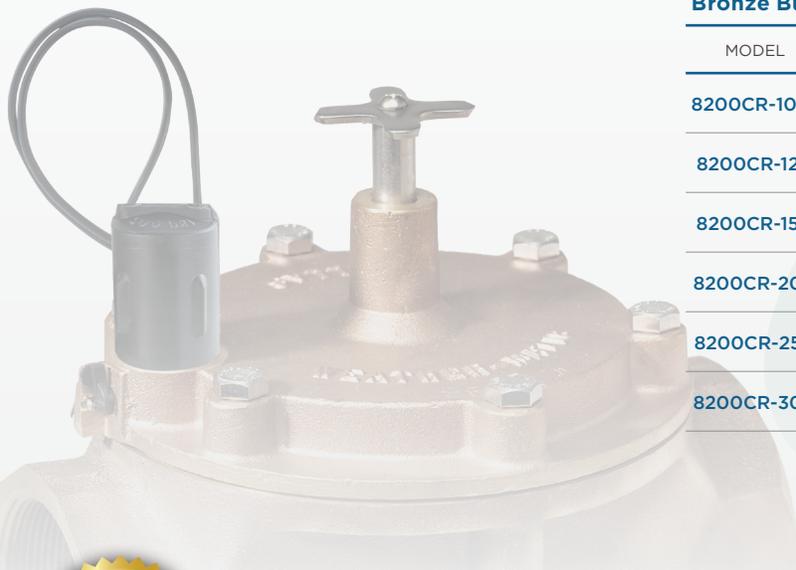
- 10 year trade warranty and 100% water tested
- 225 PSI (15.5 BAR) rating
- S24B high-efficiency solenoid for positive opening at high pressures; includes stainless steel actuator and brass threads for long life
- Bronze body and cover with stainless steel bolts
- Bronze material with 82% copper content
- Reverse flow design for water conservation in the event of failure
- Diaphragm's self cleaning ports constantly flex, inhibiting sand and silt from blocking valve action



- Brass shock cone for smooth operation and reduction of water hammer
- Easy-to-use internal manual bleed lever; bleeds valve downstream; has positive stops for open and closed positions
- Brass non-rising flow control stem throttles valve from full open to closed position
- Excellent for low volume irrigation
- Contamination-resistant (CR)
- Chlorine- and chloramine-resistant EPDM diaphragm material

Bronze Bullet Specifications

MODEL	DESCRIPTION	FACTORY INSTALLED OPTIONS (CHOOSE ONE)		INTERNATIONAL MODEL
8200CR-10D	1" Red Brass Valve - 24VAC with Flow Control			8200CR-10D-ISO
8200CR-12D	1 1/4" Red Brass Valve - 24VAC with Flow Control			8200CR-12D-ISO
8200CR-15D	1 1/2" Red Brass Valve - 24VAC with Flow Control			8200CR-15D-ISO
8200CR-20D	2" Red Brass Valve - 24VAC with Flow Control	-XPR	-NP	8200CR-20D-ISO
8200CR-25D	2 1/2" Red Brass Valve - 24VAC with Flow Control			8200CR-25D-ISO
8200CR-30D	3" Red Brass Valve - 24VAC with Flow Control			8200CR-30D-ISO



100 gallons given per valve

Our mission is to deliver clean drinking water to thousands of families in need, and to inspire our partners to put water first in irrigation, design, installation, and maintenance.





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DIMENSIONS

VALVE	LENGTH	WIDTH	HEIGHT
8200CR-10D	4.75" (12.07 cm)	3.63" (9.22 cm)	5.25" (13.34 cm)
8200CR-12D	4.75" (12.07 cm)	3.63" (9.22 cm)	5.25" (13.34 cm)
8200CR-15D	5.06" (12.85 cm)	4.00" (10.16 cm)	5.75" (14.61 cm)
8200CR-20D	6.63" (16.84 cm)	4.88" (12.40 cm)	7.25" (18.42 cm)
8200CR-25D	8.00" (20.32 cm)	6.25" (15.88 cm)	8.00" (20.32 cm)
8200CR-30D	8.75" (22.23 cm)	7.00" (17.78 cm)	8.50" (21.59 cm)

FLOW RANGE

0.2 to 400 GPM
0 to 90.0 m³/hr

ELECTRICAL

24VAC/60HZ 24VAC/50HZ

Inrush: 9.86 VA Inrush: 10.7 VA

Holding: 5.69 VA Holding: 7.5 VA

Wiring requires a single lead from the controller to each solenoid, plus a common neutral to all solenoids; type UF wire, U.L. listed, is recommended for all hookups

Bronze Bullet Series Valve Pressure Loss

FLOW GPM	8200CR-10D 1"	8200CR-12D 1 1/4"	8200CR-15D 1 1/2"	8200CR-20D 2"	8200CR-25D 2 1/2"	8200CR-30D 3"
0 - 10	1.5 max					
12	1.8					
16	2.4	1.9				
20	3.1	2.3	1.4			
25	4.0	3.0	1.7			
30	4.9	3.5	2.1			
35	5.9*	4.1	2.5			
40	7.2	4.7	2.9	1.1		
45		5.5*	3.3	1.3		
50		6.3	3.7	1.5		
55			4.2	1.8		
60			4.8	2.0	1.0	0.5
70			6.2*	2.6	1.4	0.7
80			7.9	3.4	1.8	0.9
90			10.1	4.3	2.1	1.1
100				5.3*	2.6	1.3
120				8.0	3.6	1.8
140				12.0	4.8	2.4
160				18.2	6.1*	3.1
180					7.5	3.8
200					9.1	4.6
250					14.0	7.1*
300					19.6	10.1
350						13.8
400						19.3

* Minimum recommended flow for valves with XPR option or PRK-24 accessory.

Bronze Bullet Series Valve Pressure Loss - METRIC

Flow m ³ /h	8200CR-10D 2.54 cm	8200CR-12D 3.18 cm	8200CR-15D 3.81 cm	8200CR-20D 5.08 cm	8200CR-25D 6.35 cm	8200CR-30D 7.62 cm
0 - 2.3	0.10 max					
3.0	0.14					
4.0	0.19	0.15				
5.0	0.25	0.19	0.11			
6.0	0.30	0.22	0.13			
7.0	0.35	0.26	0.15			
8.0	0.42*	0.30	0.17			
9.0	0.50	0.33	0.20	0.08		
10.0		0.37*	0.23	0.08		
11.0		0.43	0.25	0.10		
12.0			0.28	0.12		
14.0			0.35	0.15	0.08	0.04
16.0			0.43*	0.19	0.10	0.05
18.0			0.54	0.24	0.12	0.06
20.0			0.68	0.29	0.15	0.08
24.0				0.42*	0.20	0.10
28.0				0.61	0.27	0.13
32.0				0.84	0.34	0.17
36.0				1.23	0.42*	0.21
40.0					0.51	0.27
50.0					0.77	0.40
60.0					1.09	0.56*
70.0					1.45	0.76
80.0						1.00
90.0						1.34

* Minimum recommended flow for valves with XPR option or PRK-24 accessory.



OPTIONS (FACTORY INSTALLED)

- XPR Pressure Regulator—the Weathermatic XPR pressure regulating module senses inlet pressure and maintains constant outlet pressure. (see PRK-24 in valve accessory section for specifications)
- Non-potable alert flow handle may be substituted for the standard flow handle. Add -NP suffix.



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