

8200CR SERIES – BRONZE BULLET REMOTE CONTROL VALVE

FEATURES

- 10 year warranty and 100% water tested
- 200 psi (13,8 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 cover bolts
- Bronze material with 82% copper content has superior corrosion resistance versus brass material
- Unique “reverse flow” porting design permits equal pressure distribution on both sides of the diaphragm, regardless of line pressure providing zero stress to prevent “stretching,” a common cause of valve failure
- Normally closed valve 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 stops for open and closed positions
- Brass non-rising flow control stem (stainless steel stem on 2 ½" and 3" models) throttles valve from full open to closed position
- Excellent for micro-irrigation
- Contamination-resistant (CR)
- Chlorine- and chloramine-resistant diaphragm



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.

ELECTRICAL

- 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

24VAC/60Hz	24VAC/50Hz
Inrush: 9.86 VA	Inrush: 10.7 VA
Holding: 5.69 VA	Holding: 7.5 VA

- Do not use nominal voltage ratings listed above for sizing of valve wire

INSTALLATION

- Teflon tape is recommended
- International threads (specify ISO)

PRESSURE LOSS PSI

Flow gpm	8200CR-10 1"	8200CR-12 1 ¼"	8200CR-15 1 ½"	8200CR-20 2"	8200CR-25 2 ½"	8200CR-30 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

METRIC

PRESSURE LOSS BAR

Flow m ³ /h	8200CR-10 1"	8200CR-12 1 ¼"	8200CR-15 1 ½"	8200CR-20 2"	8200CR-25 2 ½"	8200CR-30 3"
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.