

21000CR SERIES – BLACK BULLET REMOTE CONTROL VALVE

FEATURES

- 5 year warranty and 100% water tested
- 150 psi (10,3 bar) rating
- 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
- High-efficiency M24E solenoid with stainless steel actuator
- High-strength glass-filled body and cover with ¼" stainless steel cover bolts and mating brass body inserts
- Brass non-rising flow control stem 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: 9.77 VA	Inrush: 10.5 VA
Holding: 6.2 VA	Holding: 6.88 VA

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

INSTALLATION

- Teflon tape is recommended
- 1" FIP can be bushed to ¾"
- 1 ½" FIP can be bushed to 1 ¼"
- International threads (specify ISO)



21000CR WITH XPR OPTION

21000CR SERIES VALVE PRESSURE LOSS PSI				METRIC PRESSURE LOSS BAR			
Flow gpm	21024E-10 1"	21024E-15 1 ½"	21024E-20 2"	Flow m ³ /h	21024E-10 1"	21024E-15 1 ½"	21024E-20 2"
0-4	1.2 max			0-0.9	0,08 max		
6	1.4			1,0	0,10		
8	1.6			2,0	0,12		
10	1.7*			2,5	0,13*		
15	2.0			3,0	0,14		
20	2.3	1.3*		5,0	0,18	0,10*	
25	3.0	1.6		6,0	0,24	0,12	
30	4.3	1.9		7,0	0,32	0,14	
35	6.0	2.4		8,0	0,43	0,17	
40	7.7	3.0	2.3*	9,0	0,54	0,21	0,16*
45	9.5	3.8	2.4	10,0	0,64	0,26	0,17
50	11.5	4.6	2.6	11,0	0,77	0,31	0,17
55		5.6	2.7	12,0		0,37	0,18
60		6.7	2.9	14,0		0,51	0,20
70		9.5	3.3	16,0		0,68	0,23
80		13.0	3.4	18,0		0,90	0,23
90			4.2	20,0			0,29
100			5.2	22,0			0,34
110			6.7	24,0			0,42
120			7.7	26,0			0,50
130			8.8	30,0			0,62

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