

Technical Specifications

8200CR SERIES – BRASS BULLET REMOTE CONTROL VALVE

FEATURES

- 10 year warranty and 100% water tested
- 225 psi (15,5 bar) rating
- S24B high-efficiency solenoid for positive opening at high pressures. Stainless steel actuator and brass threads
- Bronze body and cover with stainless steel cover bolts
- 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
- 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 1/2 and 3 in. models) throttles valve from full open to closed position
- Excellent for micro-irrigation
- Contamination resistant (CR)
- 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-24in valve accessory section for specifications)
- Non-potable Alert Solenoid; may be substituted for standard model (specify XS24NP)

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/60 Hz

Inrush: 9.86 VA

Holding: 5.69

24 VAC/50 Hz

Inrush: 10.7 VA

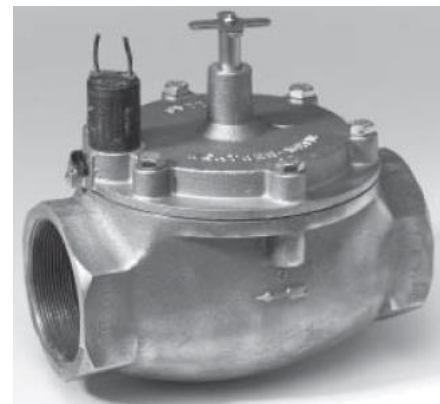
VA Holding: 7.5 VA

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

INSTALLATION

- Teflon tape is recommended

*International threads (specify ISO)



8200CR



8200CR with XPR option

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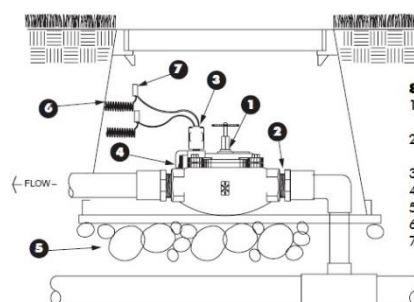
CONTAMINATION RESISTANT REMOTE CONTROL VALVES shall be No. 8200CR Brass Bullet series Valves as manufactured by Weathermatic Sprinkler Division of Telsco Industries, or approved equal, with hand operated manual internal bleed and flow control. Valve shall be solenoid operated, diaphragm, reverse flow type, with 225 psi CWP rating, having NPT threads (optional ISO threads) and suitable for underground burial without protection.

CONSTRUCTION: Valve shall be bronze body and cover with stainless steel spring. Cover shall be secured to body with stainless steel cover bolts tapped into the body casting. Diaphragm shall be chlorine/chloramines resistant, molded material with heavy seat to form an integral unit. The diaphragm assembly should have a brass shock cone to dampen pressure fluctuations and ensure smooth operation. Design shall be reverse flow causing automatic closure in event of diaphragm wall failure. Valve shall be packless, without sliding seals, and completely serviceable without removing body from pipeline. Design shall be “normally closed” requiring solenoid to be energized to open valve, thereby causing automatic closure in event of power failure. Solenoid shall comply with Class II National Electric

Code and when operating require a maximum of 5.69 VA at 24 volts ac. Stainless steel actuator shall inhibit corrosion. Solenoid shall be integrally mounted in valve cover and encapsulated in molded-resin to form a moisture-proof unit with exposed metal components of non-corrosive material. Flow control shall be Brass and stainless steel on 2 ½ - 3 inch, with O-ring seal and adjustable from outside the valve for permanent throttling or complete closing of valve. Valve shall accept the Weathermatic PRK- 24 pressure-regulating device without replacement of the valve body or cover.

OPERATION: Solenoid shall be energized to open the valve hydraulically and de-energized to close. Pressure to the hydraulic chamber shall be supplied internally through non-metallic, corrosion-free orifices in the diaphragm causing a cleansing action of the orifices. Contamination resistance shall be provided without the use of screens, filters or strainers. In event of tear in diaphragm wall valve shall remain in the closed position. Minimum flow range shall be no more than 1 GPH.

WARRANTY: The valve shall have a manufacturer’s limited warranty of not less than ten (10) years.



- 8200CR SERIES VALVE**
1. WEATHERMATIC 8200CR SERIES REMOTE CONTROL VALVE
 2. INSTALL THREADS MALE ADAPTER WITH TEFLON TAPE/TYP.
 3. SOLENOID
 4. MANUAL BLEED LEVER
 5. 3/4 INCH GRAVEL SUPPORTER
 6. RECTANGULAR VALVE BOX
 7. EXPANSION COIL & WATERPROOF CONNECTOR