



## 8200CR Valves

**REMOTE CONTROL VALVE(S):** 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.

Diaphragm design shall incorporate self-cleaning ports to inhibit sand and silt blockage.

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.