

## 200B Series Valve

### Bidding Specifications

Valve(s) shall be 200B Series 1", 1 1/2" or 2" electric globe/angle models as manufactured under the brand name of Irritrol Systems or approved equal.

**Construction:** Valve body shall be constructed of corrosion- and UV-resistant PVC material with all stainless steel hardware and spring. Valve shall have internal and external bleed for manual operation and flushing. Valve shall have a high-strength, ribbed bonnet and bottom inlet. Valve shall have a heavy-duty double-beaded diaphragm. Valve shall have a Buna-N valve seat seal. Valve shall be easily serviced without needing to be removed from the system. Valve shall be powered by a 24 V ac solenoid with a captive plunger, .4 amp inrush, and .2 amp holding.

**Operation:** Valve shall have a working pressure range from 20 psi (1,4 Bars) minimum to 150 psi (10 Bars) maximum. Valve shall have a recommended flow range from 5 to 120 GPM (20 to 450 L<sub>M</sub>) depending on valve size.

Pressure Regulation (OmniReg™ Modular Option): Outlet pressure regulating range shall be from 5 to 100 psi (0,3 to 6,9 Bars) or 5 to 30 psi (0,3 to 2,1 Bars) dependent on the regulator option. Valve shall have self-modulating type pressure regulator that maintains constant downstream pressure and be accurate to within ±3 psi (0,2 Bars) of pressure setting. Inlet pressure shall be 10 psi (0,7 Bars) greater than desired outlet pressure. Valve shall have an internal bleed for manual operation in pressure regulation mode. Valve shall be able to be installed in any position.