

## Series 9000 Pneumatic Cushioned Lever & Weight Check Valves



Series 9000 Pneumatic Cushioned Lever and Weight Check Valves are manufactured in sizes 3" to 48" for use in water, sludge and sewage service. Three styles are available; bronze to Buna-n, bronze to bronze and stainless steel to Buna-n.

### Features:

- Stainless steel hinge pin.
- Flanges conform with ANSI B 16.1/ Class 125.
- Levers may be installed on either side.
- Valves may be installed in vertical line with flow up.
- Totally enclosed air cushion systems.
- Non tilt disc with Buna-n insert for watertight shut-off.
- Meets AWWA standards.
- Enlarged hinge pins.
- Needle check air control valve adjustable to achieve cushion closure.

### Specifications:

- Swing check valves shall be self contained free swinging disc style. Valves shall conform to all the standards set forth in AWWA C508. Valve hinge pins shall be stainless steel and shall conform to the industry dimensions set forth for cushion valves.
- Valves shall be rated for 200 psi water working pressure. All testing shall be in accordance with AWWA C508, section S.
- Valves shall have integrally cast flat face flanges in accordance with ANSI B 16.1 Class 125.
- All cast iron shall conform to ASTM A126 CLB. Valve hanger and disc shall be ductile iron conforming with ASTM A536 GR65-45-12. Hinge pins shall conform with ASTM A276 GR304. Seat rings shall be low zinc bronze conforming with ASTM B62 or stainless steel conforming with ASTM A276 GR316.
- Internal and external coating shall be hi-build two component epoxy conforming with AWWA C550.
- A fully enclosed tie rod cushion chamber conforming with NFPA burst requirements shall be mounted on each valve. In all cases the cylinder is constructed with a piston rod which is case hardened to 47-66 Rockwell C and chrome plated to resist stresses. Cylinders shall include wiper and rod seals. The air cushion cylinder shall be constructed of corrosion resistant materials.
- Also available is a bronze one piece air cushioning assembly with integral pad mounted directly to the body. The air cushion unit is supplied with a needle valve and internal adjustment of the last 10% of closure.
- Cushion systems shall be side mounted and will not make contact with main line media.
- Markings shall be in accordance with AWWA C508, to include the name of manufacturer, the year of manufacture, maximum working pressure and size of the valve.

### Installations:

Valves are assembled for horizontal installation. However, all valves operate equally well in vertical installations. Please advise Team EJP of the installation position of the valve so that we can determine the proper position of the lever arm and weight.