



MILWAUKEE VALVE

CAST IRON SILENT CHECK VALVE INSTALLATION, OPERATION AND MAINTENANCE INSTRUCTIONS

INSTALLATION

- 1) Thoroughly clean and prepare the piping system before valve installation.
- 2) Remove the valve end caps if present, and inspect the valve ports and seating surfaces for cleanliness just prior to installation.
- 3) Support the valve to prevent unnecessary stresses induced by connecting pipe. When lifting the valve, secure by the body and not by the bronze trim.
- 4) Be sure the rating of the valve is compatible with the intended service conditions.
- 5) Operate the valve from the full open to closed position.
- 6) Silent check valves can be installed in any position, either horizontal or vertical with flow up. The flow arrow must point in the direction of flow when the system is in operation

OPERATION & MAINTENANCE

- 1) Silent check valves are designed to prevent reverse flow automatically. On pump start-up, the flow of water forces the disc open, allowing the passage of fluid thru an area equal to the pipe size. On pump shut-down, the spring closes the disc before a media reversal takes place. This type of closure, which prevents flow reversal, is the factor which allows silent operation and prevents water hammer normally associated with valve and pump shut-off. **No regular maintenance is required.**

INSPECTION & REMOVAL

- 1) Close the discharge isolation valve, and bleed system pressure by loosening the discharge side flange. Do not loosen the inlet side flange until pressure have been relieved. Damage can occur to internal parts if this is not followed.
- 2) Remove the valve from the line. All parts can be checked for wear and damage. Replacement parts can be ordered from catalog submittal sheets.
- 3) Never attempt to inspect the seating of the valve by removing the inlet side piping. This will result in damage to the valve's internal seating mechanism.