



# Waffer Check Valves

## Series LSDDB

Operation, Maintenance  
& Installation Manual



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001-iom-2017-lsddb



# SILENT CHECK VALVES

The FLO FAB Silent Check Valves are fully automatic valves and require no regular maintenance.

## OPERATION:

The FLO FAB 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 pipe size. On pump shut-down, the special spring closes the disc before a flow 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 shut-off.

## INSTALLATION:

Valves can be installed in any position, i.e. horizontal or vertical with flow up. The flow arrow should be pointed in the direction of flow when the system is in operation. When lifting, the valve should be secured by the body and never lifted by the bronze or stainless steel internal trim.

## MAINTENANCE:

No regular maintenance is required; however, if the valve must be serviced, it should be removed from the line by closing the discharge valve and bleeding off the pressure. This can be achieved by loosening the discharge flange first and the inlet. This procedure will prevent damage to the internal trim. Once the valve is removed from the line, all parts can be checked for wear and damage from foreign matter. Replacement parts can be ordered by contacting the factory.

**NOTE: Never attempt to inspect the seating of the valve by removing the piping from the valve inlet. This will result in damage to the valve's internal seating mechanism.**

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