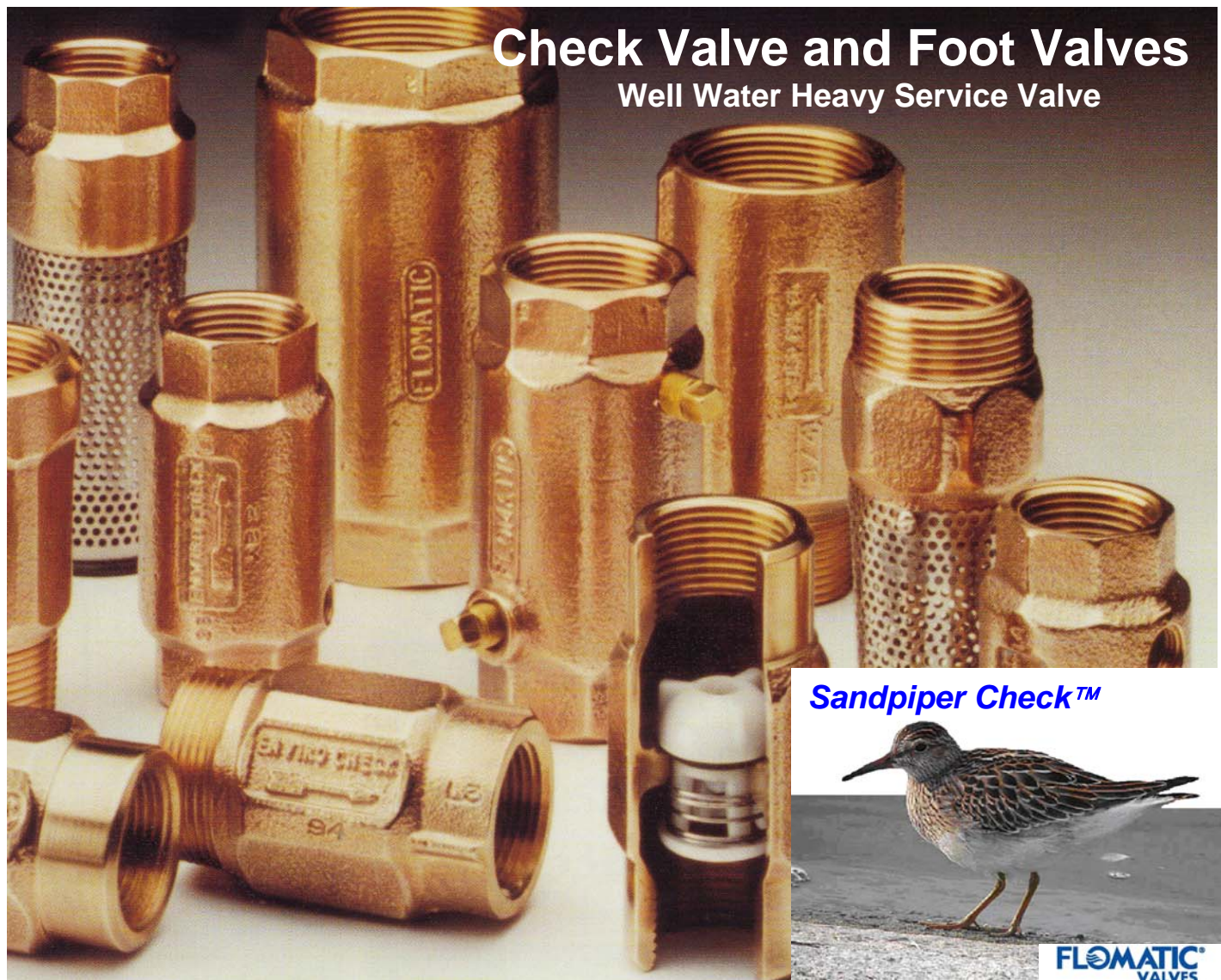


## Check and Foot Valves



Flomatic valves feature a unique patented design that prevents the valve from sticking open or in a closed position due to sand or debris in well water.

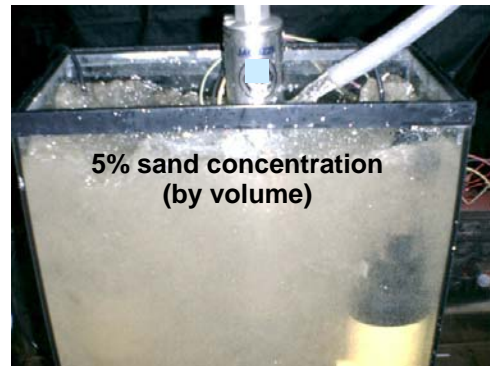
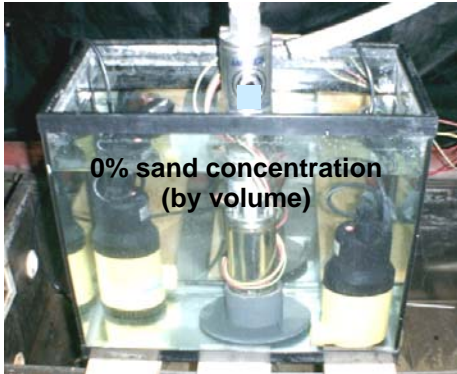
An industry first, the unique poppet design is a heavy service valve, designed for water/sand concentration up to 5% by volume. The Flomatic valve will outperform any standard stem type check valves, even at low concentration. While stem type check valves will stick, the Flomatic will not.



**FLOMATIC® VALVES**



# Check Valves



Test tank in above left picture shows a submersible test pump with two circulating pumps. Test tank on the right shows 5% sand concentration by volume. The two circulating pumps on each side of the test pump are keeping the sand/water concentration in suspension during valve cycling test. A typical stem type check valve under the same test condition will not be able to handle even 0.25 % or a ¼ % sand solution.

## Flomatic most popular valves are now standard with Sandpiper Check™ Poppets

### Check Valves

When a new water well is constructed, it is normal that the well water will contain different kinds of debris. This debris will include residue from drilling mud and particles from the penetrated soil and sand. Most of this debris will be pumped out of the well causing potential failure to the check valve. Flomatic's check valve will eliminate check valve start-up problems in water well systems due to sand and debris.

Flomatic and the National Groundwater Association (NGWA) recommend that a check valve be installed both near the discharge head of the pump and before the systems pressure tank. In deeper well systems, the NGWA recommends one check valve is installed for every 200 feet of vertical drop pipe used.

### Foot Valves

The poppet is also included in all foot valves which incorporate the same patented spring loaded closing poppet system as the in-line check valves. The foot valves provide the same reliable well water service as the check valve. In addition the Flomatic foot valve is excellently well suited for lake, pond or dewatering services. These applications are where the water quality often contain and suspend foreign material that eventually can cause conventional foot valves to fail.

Flomatic Valve products are covered under several US Patented numbers 4,971,093 & 6,581,633 and others are pending.

All Flomatic check valves are guaranteed unconditionally against sand locking or sticking in abrasive well conditions for one year.



**FLOMATIC** VALVES

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