SPEARS® MANUFACTURING COMPANY
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CERTIFICATE OF COMPLIANCE

TRUE UNION BALL VALVES, TRUE UNION BALL CHECK VALVES, SINGLE ENTRY BALL VALVES, COMPACT BALL VALVES

Spears® Manufacturing Company certifies that its True Union Ball Valves, True Union Ball Check Valves, Single Entry Ball Valves and Compact Ball Valves are manufactured in the U.S.A. from a Polyvinyl Chloride (PVC) compound having a cell classification of 12454 and from a Chlorinated Polyvinyl Chloride (CPVC) compound having a cell classification of 23447 conforming to ASTM Standard D1784. O-ring seals are provided in one of three elastomers, EPR (EPDM), FKM (Viton®) or Nitrile (Buna-N). The ball seal material is PTFE. The ball valve handle material is polypropylene. Valves with EPDM elastomers are certified for potable water service by NSF International®.

Ball Valves and Ball Check Valves in sizes 1/2" through 2" have a maximum internal pressure rating of 235 psi non-shock at 73° Fahrenheit. Sizes 2 1/2" through 6" have a maximum internal pressure rating of 150 psi non-shock at 73°F. Representative valve samples are routinely subjected to hydrostatic burst pressure verification testing at 3.2 times their designated pressure rating in a 60-70 second test per ASTM D1599 during each production run.

All valves are rated for vacuum service based on successful completion of laboratory tests of one hour at 26 in. Hg vacuum with less than one inch Hg loss, conducted at 73°F on randomly selected production samples.

One-quarter turn ball valves are suitable for bi-directional installation. Ball check valves must be installed with the valves' "flow" arrow pointing in the direction of flow in order to function properly. Ball valves are of a full port design and incorporate a Safe-T-Shear® stem as an added safety feature.

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