AWWA Proof of Design Cycle Test Certification

AWWA C541 Hydraulic and Pneumatic Cylinder and Vane-Type Actuators for Valves and Slide Gates

Linear Cylinder Actuators

1. Items Tested:

- 6" Bore cylinder with 3 5/8" stroke
- 8" Bore cylinder with 4 7/8" stroke
- 10" Bore cylinder with 4 7/8" stroke
- 12" Bore cylinder with 8 3/8" stroke

2. Test and Results:

The above items were cycled tested through 5,000 close-open-close cycles. A minimum of 150 psi was applied at each end of stroke. The cylinders were driven with water. After the cycle tests, a three times hydrostatic test was performed on each cylinder for five minutes. There were no signs of permanent deformation or leakage during or after the tests.

3. Certification:

Based on the above Test Record, we herby certify that the subject actuator has successfully met all of the Proof of Design requirements given in AWWA C541.

CERTIFIED BY: alan Vanden Bear

Alan VandenBerg
Project Engineer
Valmatic Valve & Manufacturing Corp.



