

CRANE NATIONAL VENDORS

12955 ENTERPRISE WAY
BRIDGETON, MO 63044-1200

Hydro Life Inc.
Attn: Mr. Roger Egli
503 Maple St.
Bristol, IN 46507

May 28, 1996

Roger,

I would like to make you aware of a field test performed by Crane National Vendors employing the standard water filter used by National Vendors and the Hydro Life Water Filter. This test was performed on two Hot Drink Centers (Serial # 627 019985) Hydro Life Filter and Hot Drink Center (Serial # 627 019970) standard water filter.


In an effort to control the environment of the test the above mentioned machines were selected because they were installed by the same customer in the same location, had approximately the same usage, and were of the same approximate vintage. The following steps were performed on these machines prior to the start of the test. All water valves were replaced with new 6238170 water valves, the valves were marked as to the location within the machine and the machine in which they were installed. New water filters were installed, serial # 627 019970 received a new standard water filter, and serial # 627 019985 received a new Hydro Life Filter and head assembly.

At the end of the test (April 28, 1996) the water valves were removed and submitted to the engineering division of Crane National Vendors for tear down and analysis. The valves that were submitted from serial # 627 019985 displayed a dramatic reduction in lime build up both on the valve seat and in the valve passageways. Estimates of the reduction of lime scale were in the area of a 75% reduction as compared to the standard water filtering process. The above stated reduction in lime scale was calculated by a precise weight comparison between valves prior to disassembly for inspection, and comparison of this weight to a new unused valve.

I would also add, that the customer where the test was performed, requested that we not remove the Hydro Life Filter from the test machine.

Crane National Vendors is now in the process of qualifying the Hydro Life Filter as an option on all N.V. equipment requiring a water filter.

Regards,



Gerald B. Masters
Customer Service Supervisor
Crane National Vendors