



A Partnership
FOR YOUR FUTURE

October 5, 2011

Jerry Fraize
HydroKnot
1495 W. 9th St.
Suite 101
Upland, CA 91786

Dear Mr. Fraize,

The International Center for Water Technology had completed testing the "HydroKnot" device you provided. We performed three tests on the devise as follows:

The first test was to determine the maximum rate of flow in gpm through the device that could be obtained before it would shut off. The results are as follows:

Device	30psi	40psi	50psi
"HydroKnot"	7.7	7.7	8.1

The second test was to determine how much pressure was needed to shut off the flow through the device in the case of a broken riser. The results are as follows:

Device	Line Pressure (psi)
"HydroKnot"	9.0

The third test was to determine how much deflection from vertical that the riser could have before the device would shut off. The "HydroKnot" will work at any deflection.

The "HydroKnot" functioned as represented in the product information and shut off the flow of water when the riser or sprinkler was broken.

If you have any questions about the test methods or procedures, please give me a call.

Sincerely,

Joe C. Oliphant
Hydraulics Lab Manager

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