

Overview

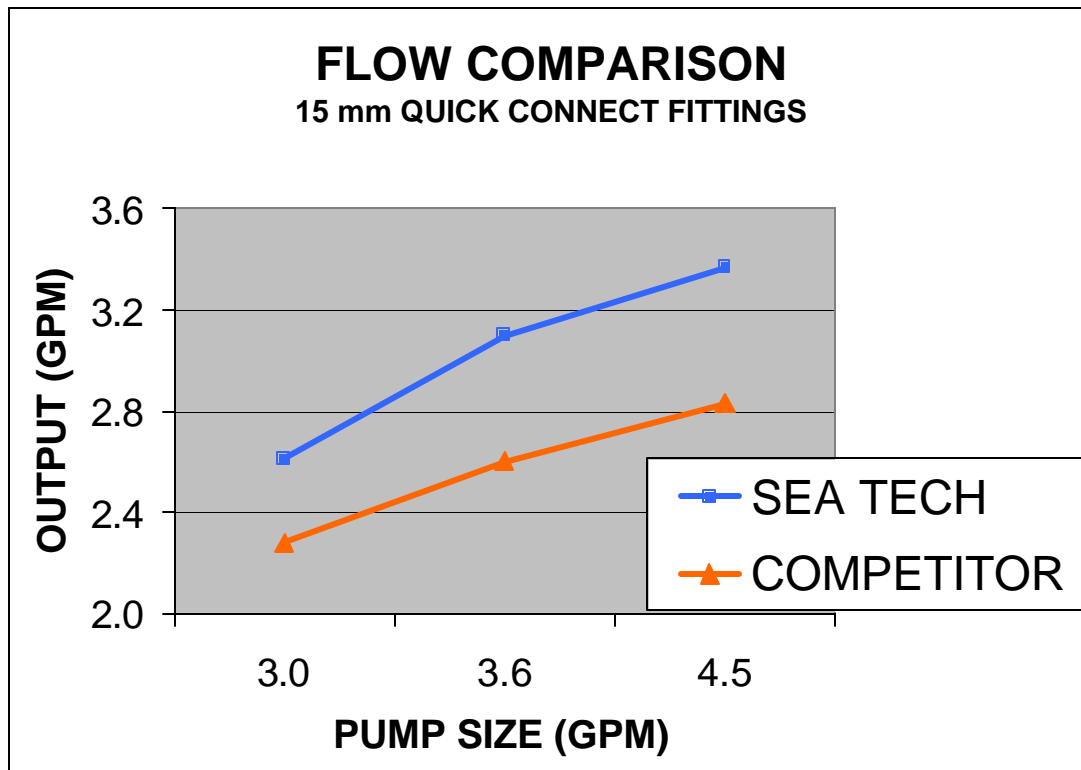
This test was performed to compare the flow capacity of Watts Sea Tech's 15mm fittings and tubing versus a competitor's 15mm fittings and tubing when installed in a typical marine plumbing circuit. The tests showed that Watts's product delivered more flow than the competitor's product.

Procedure

Two test circuits were built using Watts's 15mm quick-connect fittings/tubing and a competitor's 15mm quick-connect fittings/tubing. The circuits consisted of 93 feet of tubing, two shut-off valves, three elbows, three tee's, two stem elbows, two stem tee's, two female connectors, and a pump (figure 1). Each circuit was tested with a 3.0 gpm, a 3.6 gpm, and a 4.5 gpm Diamond Flow pump. After the test circuit was primed, the pumps were run for one minute and the volume of water discharge was measured.

Conclusion

The Watts circuit consistently delivered greater flow than the competitor's product. A graph of flow output versus pump size shows that the Watts product will deliver greater flow or allow the use of smaller pumps than the competitor's product.



FLOW TEST CIRCUIT

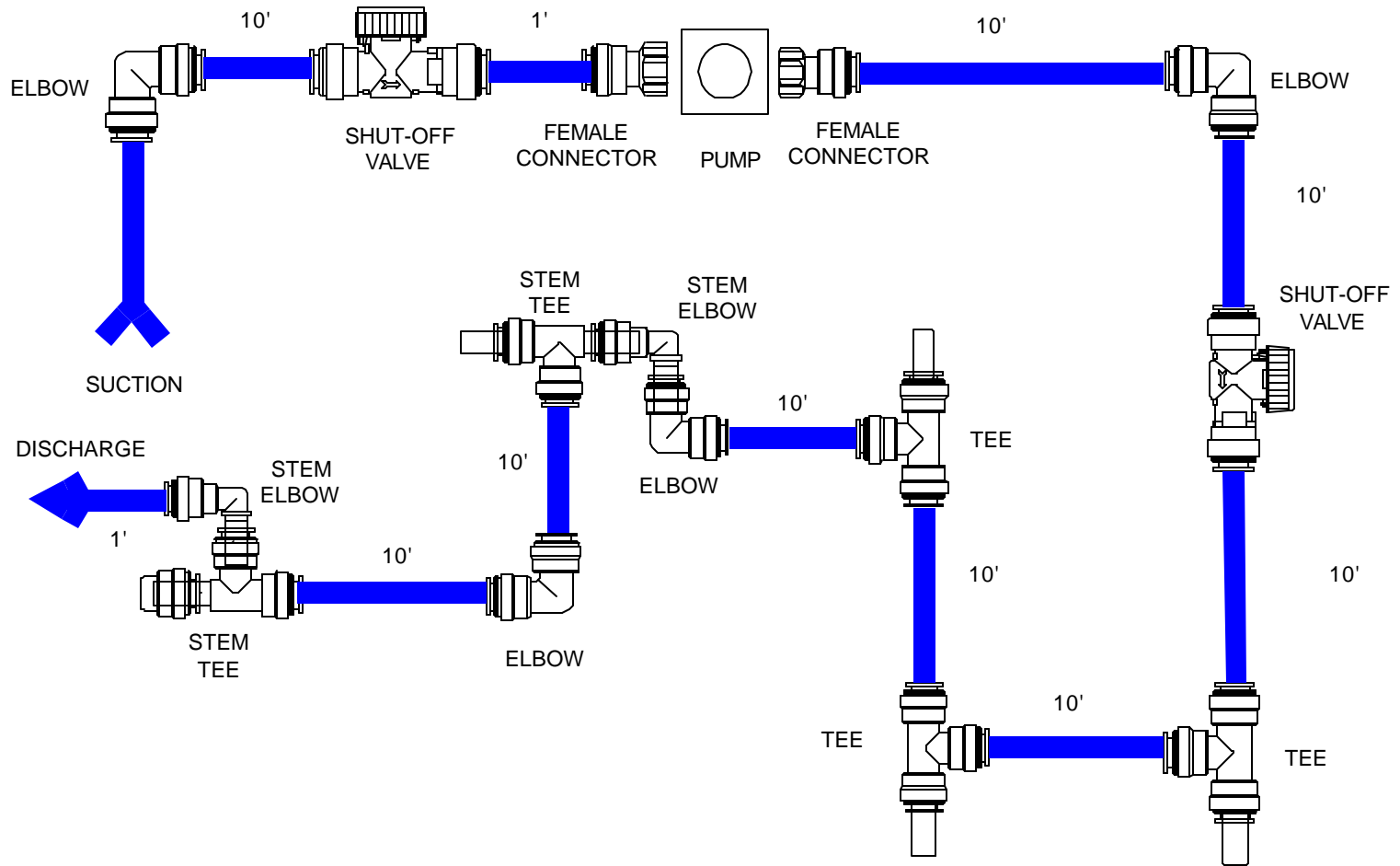


Figure 1