

**FLOWSERVE**    [www.flowserve.com](http://www.flowserve.com)

**Improvement of High Pressure Barrel Pumps**    Flowserve is the recognized world leader in supplying pumps, valves, seals, automation and services to the power, oil, gas, chemical and other industries. Specifically, the Pump Division has a local facility in Phillipsburg, NJ and the design engineers there have identified an area needing further development in the improvement of high pressure barrel pumps. In order to establish a more competitive edge, Flowserve is interested in investigating the use of composite materials as a means of reinforcement for its steel pressure vessels. The aim of this project will be to figure out how to most economically and efficiently apply composite material technology to our lines of high pressure barrel pumps.