

# Chemical Process **SIMSITE®** Structural Composite 8 x 6 x 13 ANSI Pump for Halliburton

This 8 x 6 x 13 ANSI pump was designed for Halliburton out of **SIMSITE®** Structural Composite and is to be installed on a ship that will be used in the oil industry. This pump will be an integral component in a deep water acidizing system. The pump was designed around a set of performance specifications set forth by Halliburton, capacity of 1800 GPM, 120 FT of head and 1750 RPM, to be run by a 150 Hp hydraulic driven motor with the capabilities to run off of a 150 Hp electric motor.



The liquid this pump will be pumping is 33% hydrochloric acid into rock formations with greater pressure than the rock can withstand causing the rock to fracture. The pump was designed to take the abuse, not only from the hydrochloric acid, but also outside elements hence the beefy stature.

A **SIMSITE®** Structural Composite Pump was chosen because of the liquid being used in the process; **SIMSITE®** will not wear as a conventional metallic pump would. This provides a great advantage for most chemical applications, like this one.

This pump will run two to three times a week pumping 60,000 gallons of hydrochloric each time without having any issues with premature wear, a drop in performance, or cavitation.