

## Hydrostatic Pressure Testing of Shower Components

Hydrostatic (Hydro) Testing is a process whereby pressure retaining components such as valves, piping systems, gas cylinders, boilers and pressure vessels are tested for strength and leaks.

Typically a hydrostatic test rig is used to test components and assess the capability and performance of components for industrial use. The term test rig is sometimes also referred to as test bay, test bench, pressure test facility and testing station but they all refer to equipment that carry out component testing.

Omiga Technology Ltd. in the South of England develops and manufactures hydrostatic test rigs for projects involving the testing of various pressure retaining components, one such project involves the testing of shower components.

Shower components, especially when used on an electrically heated shower could be subjected to high pressure steam should other safety devices fail causing possible serious harm to the occupant of the shower. It is therefore important that shower components are vigorously tested to withstand high pressure shocks.

Cat Pumps was called upon by the test rig manufacturer to supply the hydrostatic pump motor package along with water tank, control valves and other instrumentation. The reliability and long life of the Cat Pumps hydrostatic test package was key as the test rig would be running the pump system at a variety of pressure and flow profiles over many cycles to confirm the reliability and safety of the shower components.



### Application Specifications

#### Hydrostatic Pressure Testing Package

Cat Pumps Model	5CP1231
Pressure	130 bar
Flow	5.5 lpm
Fluid	Clean Water
Duty Cycle	Intermittent
Drive	2.2kW, 4 pole with VSD



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