

TRIAXIAL CELL SPECIFICATIONS

The Model 3500 is designed for triaxial and stress path testing of samples up to 100 mm (4.0") diameter. Double drainage lines for both top and bottom allowing more flexibility and versatility.

It can also be used for flexwall permeability testing. The chamber is acrylic with a circular base, which provides a solid support for applying heavy load and also prevents tipping. All aluminum parts are anodized.

Standard available sizes are 71 mm (2.8") and 101 mm (4.0") diameter; other sizes in between these two diameters are available upon request. Each cap has two drain ports and a groove for sealing the membrane. Standard top caps are made of acrylic; black anodized aluminum top caps are available upon request. The top cap features quick connect fittings. The pedestal has flow through lines and is keyed to prevent turning during installation.

Standard valves and fittings are brass. Stainless steel valves and fittings, as well as Teflon tubing, are also available on Model 3500SS. High quality Whitey ball valves and Swagelok fittings are used throughout.

A stainless steel ground and polished piston with 19 mm (0.75 in.) diameter is sealed with an internally lubed u-cup noted for its extremely low breakaway friction. A piston lock is also provided. Stainless steel linear ball bearings guide the piston with minimal friction.

Accessories for extension tests are available upon request. They consist of a split coupling, triaxial piston with threaded hole and stud with matching metal top cap.

Pressure Capacity: 1400 kPa standard up to 3500 kPa (500 psi) with reinforcement

DIMENSIONS AND WEIGHT

Height (with piston extended): 25"
Width: 8" x 10"
Pressure Capacity: 200 psi
Weight: 31 lbs

MODEL 3500

