

Triaxial Cell Model 3600



The Model 3600 is designed for triaxial, stress path, and resilient modulus testing of samples up to 150 mm (6 in.) diameter. It can also be used for flexwall permeability testing of samples. The chamber is acrylic with a circular base, which provides a solid support for applying heavy load and also prevents tipping. The outside diameter is 267 mm (10.5 in.) and the inside diameter is 241 mm (9.5 in.). All aluminum parts are anodized.

Standard available sizes are 100 mm (4 in.), and 150 mm (6 in.) diameter; other sizes are available upon request. Each cap has two drain ports and a groove for sealing the membrane. Standard top caps are made of black anodized aluminum. 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 3600SS. High quality Whitey ball valves and Swagelok fittings are used throughout.

A stainless steel ground and polished piston 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.

There are three (3) ¼ in. NPT ports on the top to allow for internal instrumentation when used with liquid tight feed-through fittings.

Height (with piston extended)
737 mm (29 in.)

Width
301 mm (11.87 in.) to fit the
horizontal clearance of our standard
LoadTrac II

Depth
355 mm (14 in.)

Pressure capacity
1000 kPa (150 psi)

Weight
48 kg (105 lbs.)