



The Model 3400 is designed for triaxial and stress path testing of samples up to 76 mm (3 in.) diameter. It can also be used for flexwall permeability testing of samples up to 101 mm (4 in.) diameter. 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 35 mm (1.4 in.), 50 mm (2 in.), and 71 mm (2.8 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 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 3400SS. 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.

TECHNICAL SPECIFICATIONS

Height (with piston extended)
610 mm (24 in.)

Width
165 x 210 mm (6.5 x 8.25 in.)

Pressure capacity
1,000 kPa (150 psi)

Weight
8 kg (17 lbs.)