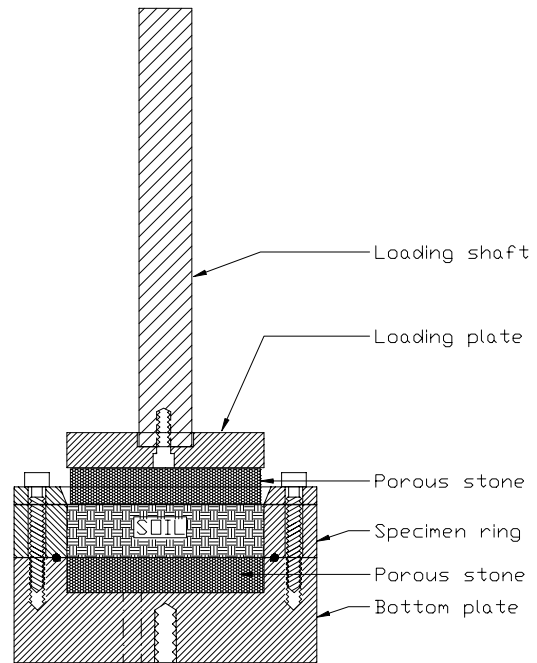


CRX-TRX Controlled Gradient Consolidation Apparatus



- **Mounts inside the triaxial cell**
- **Quick assembly and disassembly design feature**
- **Stand alone unit also available**
- **Custom sizes available**

DESCRIPTION

The GCTS Consolidation Apparatus is capable of performing Controlled Gradient (CG), Constant Rate of Strain (CRS), and Incremental (conventional) consolidation tests. The device is to be used inside the triaxial chamber and loading frame. Includes stainless steel specimen ring, porous stones, o-ring seals, and necessary plumbing.

The controlled gradient (CG) test can be performed using the GCTS Consolidation Apparatus. During the test, a pore pressure transducer mounted on the base provides a feedback signal, which is used in the operating software to provide a preset loading rate on the test specimen.

The constant rate of strain test (CRS) can also be performed using the GCTS Consolidation Apparatus. Using an LVDT, which monitors axial strain on the specimen, the sample is loaded at a preset rate of strain controlled by the system software.

The conventional or incremental consolidation test is performed through application of an axial load on the test specimen at preset loading steps or increments.

The stand alone GCTS Consolidation Apparatus does not require a loading frame or triaxial cell to operate. Axial load is applied by air or nitrogen gas against a frictionless piston assembly. The unit also has an LVDT mounted inside to supply direct axial strain measurements.

SPECIFICATIONS

Contact GCTS

SHIPPING

Weight: 12 kg
Dimensions (meters): 0.6W x 0.6D x 0.6H