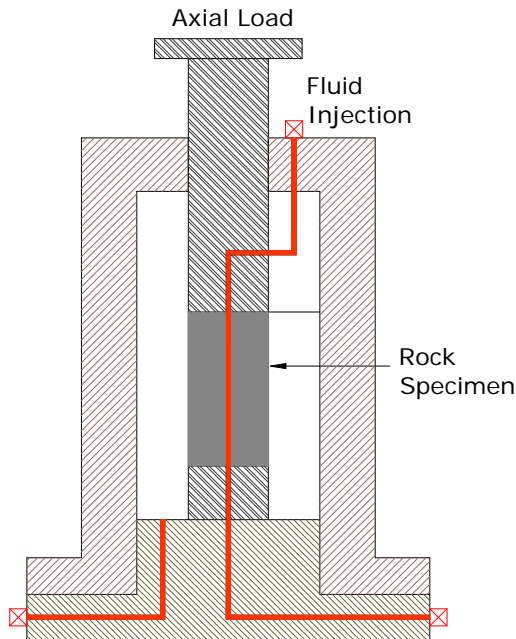


## Hydraulic Fracture Test System (HFRTC-100)



- Capable of performing static and dynamic triaxial tests as well as hydraulic fracture, Well bore stability, and rock permeability
- 1,100 kN (250 kip) "stiff" (1750 kN/mm) four-column frame with servo-controlled hydraulic actuator (100mm stroke)
- RTX-100 stainless steel triaxial cell for NX specimens (10,000 psi confining pressure capacity)
- Air/oil pressure booster with pressure transducer for static control of cell or backpressure up to 70 MPa (10,000 psi)
- Servo-controlled pressure intensifier capable of static and dynamic control of fluid injection pressures up to 70 MPa (10,000 psi)
- May also be used for confining or backpressure
- Heating system for testing at temperatures up to 230 °C (550 °F)
- Optional internal acoustic emission sensor

options include replacement of the manual air/oil booster with a servo-controlled intensifier, and upgrades to our dual-piston intensifier for tests, which require relatively large fluid flows without pressure spikes.

### SPECIFICATIONS

Axial load . . . . . 1,000 kN  
Confining & pore fluid pressure . . . . . 70 MPa  
Intensifier volume . . . . . 280 cc

### SHIPPING

Weight . . . . . 1,600 kg  
Dimensions (meters) . . . . . Crate 1—1W x 2.0D x 2H  
. . . . . Crate 2—1W x 1.5D x 2H

### DESCRIPTION

The GCTS Hydraulic Fracture Test System is capable of performing not only basic static and dynamic triaxial tests, but also hydraulic fracture, Well bore stability, and permeability tests. This versatile system is very easy to operate because of the Graphical User Interface (GUI) software.

The features listed below are for our base system. We also have systems for larger loads and higher pressures. Frame stiffness and specimen size options are also available. Other