

M4090 HP/HT Filter Press

The Grace Instrument M4090 HP/HT Filter Press measures filtration properties of a drilling fluid under high temperatures and pressures. The M4090 simulates various downhole conditions using independent or dual opening cells that allow for the use of filter paper, mesh screen, and ceramic discs. Each unit functions as an independent testing station and can be stacked to conserve laboratory space.

Simple Design with High-Quality Features

The M4090 HP/HT Filter Press features primary and back regulators, a nitrogen pressure source, and a pressure test cell. The unit is also furnished with a height-adjustable heating jacket for easy cell loading. The temperature controller allows for control of the temperature. The M4090 is equipped with heavy-duty components that are able to withstand high pressure and high temperature, preventing hazardous conditions for operators during testing operations. The Grace Instrument M4095 Filter Press Threaded Cell is meant to accompany this M4090 unit and can be purchased separately.



Features

- Available with Set Screw Cell (sold separately)
- Safety mechanism enabled for pressurized cells
- Double opening cells accept various filter media
- Compatible with Grace Instrument M4095 Filter Press Threaded Cells (also sold separately)
- Adjustable heating jacket for easy cell loading
- Temperature controller for easy temperature control
- Regulators and gauges are easy to replace.
- Easy to pressurize by avoiding heavy regulator manifold
- Able to combine multiple units by stacking

Specifications

*Cell Sample Volume:	175 ml
Max. Temperature:	500°F
Max. Pressure:	1,800 psi
Max. Back Pressure:	750 psi
Filtering Area:	3.5 in ²
Pressure Source:	Nitrogen
Power Requirement:	115V / 230V
Heater:	800 W
Back Pressure Receiver Volume:	15 ml

**Cells are sold separately*

Weight of unit:	50 lbs.
Dimensions - Height:	34 in.
- Width:	15 in.
- Depth:	19 in.