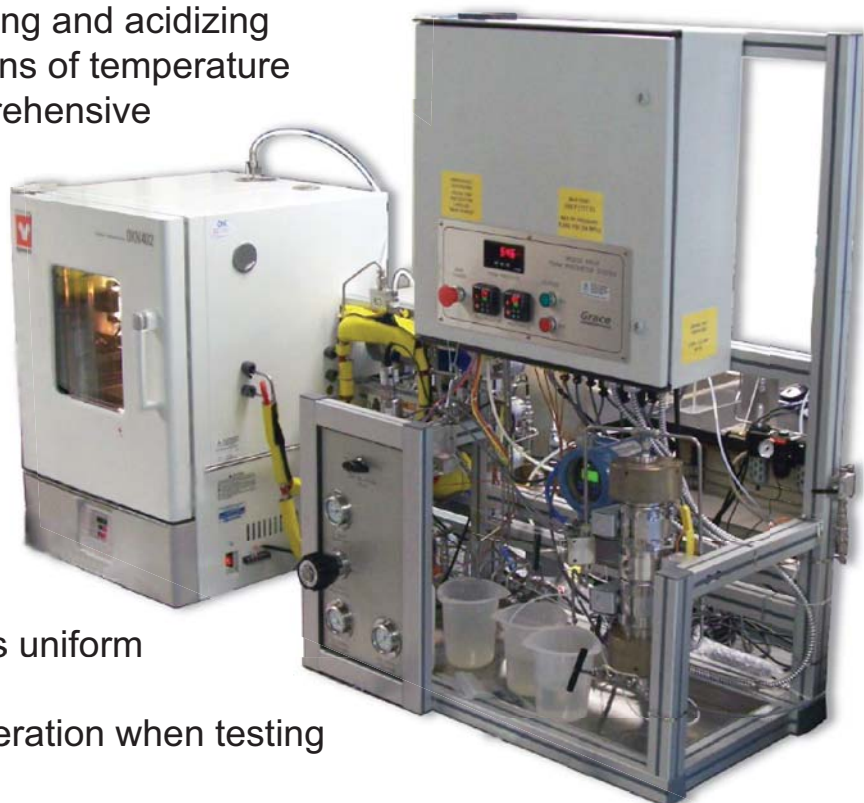


The **Grace Instrument M9200 HPHT Foam Rheometer**

is designed to simulate foam fracturing and acidizing processes under down hole conditions of temperature and pressure, while providing comprehensive data collection, including power law n' and k' values for future modeling. The **M9200** computer-controlled automation package allows precise monitoring and variable flow-rate control.



M9200 Features:

- Single or dual gas (CO₂ and/or N₂) foam testing capabilities
- Continuous foam circulation ensures uniform foam properties
- HPHT viewing cell provides safe operation when testing acidic samples
- Direct visual assessment of foam half life
- Computer-assisted analysis of bubble size and distribution
- Integrated heating trace maintains a uniform temperature on all sample lines
- Accumulator for injection of high-viscosity and/or corrosive samples

Specifications:

Operating Temperature:	Ambient to 350 °F (up to 400 °F optional)
Working Pressure:	Atm to 5,000 psi
Shear Rate:	0 to 1,500 S ⁻¹
Microscope Magnification:	Up to 450 X
Viewing Window Material:	Sapphire
Foam Density:	0.3 to 1.0 g/cm ³ controllable
Half-life of Foam:	0 to 72 hr
Foam Bubble Diameter:	≥1 μm
Sample Volume:	115 mL
Accumulator Volume:	500 mL
Rheology Characterization:	API standard and other rheological tests

***M9200** can also be built to custom specifications.*