

HPP/CFR Series

High-Pressure/High-Temperature Permeameter/Coreflooder

Exceeding today's standards, ready for Tomorrow's challenges

- Accurate core testing under extreme high-pressure, high-temperature subsurface conditions.
- Enable fluid injection, displacement, permeability, and rock-fluid interaction experiments for geothermal, hydrogen, CCUS, and hydrocarbon research.
- Offered in corrosive-resistant versions for reliable testing with aggressive fluids (H₂S, CO₂, acids).
- Available for Ø25.4 mm (Ø1") x 172.7 mm (6.8") specimens



HIGH QUALITY

Robust construction and precision engineering ensure consistent performance under extreme pressures (up to 140 MPa) and temperatures (up to 500 °C).



PRECISE

Reliable, high-fidelity data — Deliver precise and repeatable results under demanding conditions, enhancing confidence in research outcomes and accelerating technology development.



PRODUCTION READY

Streamlined design and user-friendly controls simplify setup, experiment execution, and data acquisition, reducing training time and operational complexity.



CORROSION RESISTANT

Specialized versions ensure long-term integrity and measurement accuracy when testing with aggressive fluids such as H₂S, CO₂, or acids.

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Available Models

HPP- Series models do not accommodate confining pressure

Corrosion Resistance Level	Pressure Rating (MPa) [psi]	Temperature Rating (°C) [°F]	Model Number
Standard (HPP-) (Stainless Steel)	140 [20,000]	300 [572]	HPP-140-300
Corrosion Resistant (HPPC-) (Inconel)	140 [20,000]	500 [932]	HPPC-140-500
Very Corrosion Resistant (HPPVC-) (Hastelloy)	70 [10,000]	400 [732]	HPPVC-70-400

CFR- Series models support operation under controlled confining pressure

Corrosion Resistance Level	Pressure Rating (MPa) [psi]	Temperature Rating (°C) [°F]	Model Number
Standard (CFR-) (Stainless Steel)	140 [20,000]	300 [572]	CFR-140-300
Corrosion Resistant (CFRC-) (Inconel)	140 [20,000]	500 [932]	CFRC-140-500
Very Corrosion Resistant (CFRVC-) (Hastelloy)	70 [10,000]	400 [732]	CFRVC-70-400

Available Electromechanical Pressure/Volume Controllers (more available online)

Nominal Pressure (MPa) [psi]	Nominal Volume (cc) [in ³]	Resolution (cc) [in ³]	*Max. Flow Rate (cc/min) [in ³ /min]	Dimensions (L x W x H) (m) [in]	Model Name
70 [10,000]	289 [17.63]	0.0011 [0.0000671]	85 [5.19]	0.7 x 0.4 x 1.4 [27.56 x 15.75 x 55.12]	ePVC-70L
140 [20,000]	160 [9.76]	0.0006 [0.0000366]	47 [2.87]		ePVC-140L

Quote Now!

