

**CHANDLER**
ENGINEERING

Model 7120

STIRRED FLUID LOSS CELL

A Critical Tool for Oil Well Drilling and Cementing

Fluid loss from oilfield muds and cement slurries to a permeable formation can significantly impact their performance or damage the formation. If a cement slurry loses too much fluid, its strength will be compromised and costly remedial well treatments may be needed. The Model 7120 Stirred Fluid Loss Cell measures the fluid loss properties of muds and slurries in accordance with API procedures.

A Vastly Improved, Safer Instrument

Chandler Engineering developed the Model 7120 Stirred Fluid Loss Cell to eliminate safety issues with the traditional instrument designs.

Operational Simplicity and Advanced Capabilities

The Model 7120 is designed to be as easy to use as possible, with clear and intuitive controls. Once the cement slurry or mud is placed into the test cell, a programmable temperature controller increases the temperature at the desired rate. The slurry is conditioned by stirring at 150 rpm similar to a consistometer. The cell is then inverted to begin the fluid loss test. A graduated cylinder or the back pressure receiver is used to collect the filtrate for measurement of the fluid loss characteristics of the slurry.



FEATURES

- ✓ Fluid Loss Measurement Through Standard Screens or Core Samples
- ✓ Safer Approach—No Need to Transfer Hot Slurry
- ✓ Quick Turnaround for Multiple Tests

Specifications

Maximum Temperature	450°F / 232°C
Maximum Pressure	2,000 psi / 14 MPa
Cylinder Volume	500 mL (approx.)
Filtrate Collection Volume	100 mL (approx.)
Paddle rpm	150 rpm
Heater Power	700 W
Compliance	API Spec 10A / ISO 10426-I

Utilities

Water	40 psi / 380 kPa
Nitrogen	1,000 to 2,000 psi / 7 to 14 MPa
Power Supply	120 or 240 VAC ± 10% 50/60 Hz, 0.95 kVA

Physical Dimensions

Dimensions (w x d x h)	19.7 in. x 25.6 in. x 30 in./ 50 x 65 x 76 cm
Weight	140 lb / 64 kg

Shipping Information

Volume	22 cu ft / 1 m ³
Gross Weight	290 lb / 132 kg



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