CHANDLER ENGINEERING
AMETEK

OIL WELL CEMENTING

STIRRED FLUID LOSS CELL

MODEL 7120

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 traditional fluid loss instrument designs.

Operation 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

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STIRRED FLUID LOSS CELL

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SPECIFICATIONS

Max Temperature
450°F / 232°C

Max 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

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
(w x d x h)
19.7 x 25.6. 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

Compliance
API Spec 10A / ISO 10426-I

Manufacturer's specifications subject to change without notice

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View more product information on our website:
WWW.CHANDLERENG.COM/PRODUCTS

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