Model 8040

DUAL CELL CONSISTOMETER

A Critical Tool for Oil Well Drilling and Cementing

The Model 8040 is designed for busy laboratories involved in: oil well cement research, research and testing of cement additives, cement quality assurance and the research and field laboratories of well service companies. This instrument can simultaneously perform two independent cement thickening behavior tests under a variety of downhole well conditions.

Proven Long-Term Performance

The Model 8040 is one of Chandler Engineering's most proven consistometers. Hundreds of units are in operation globally. Experience with these rugged instruments has demonstrated that their service lifespan can easily exceed ten years with normal, routine maintenance. Every unit is tested extensively at the factory with standard cement to ensure that the instrument is a completely and satisfactorily operational unit.

Operational Simplicity and Advanced Capabilities

The Model 8040 Pressurized Consistometer is simple to operate with all of the operational controls conveniently located on the front panel. The unit is designed so that closure, heating and pressurization can be achieved quickly. The slurry cup drive automatically rotates the cup at the required, standard rate of 150 rpm.

Indicators for test time, consistency, pressure and temperature are readily visible on the front panel of the unit. A chart recorder automatically tracks the temperature and consistency measurements during a test.

FEATURES

- ✓ Two Independently Operated Test Cells
- ✓ Built-In Chart Recorders
- ✓ Accurate Temperature and Pressure Controllers with Multi-Slope Gradient Capability
- ✓ Adjustable Consistency Alarm
- ✓ Magnetic Drive
- ✓ External Chiller Connections

AMETEK® OIL & GAS

2001 North Indianwood Avenue, Broken Arrow, OK 74012 • Phone: 918-250-7200 • Fax: 918-459-0165

 e-mail: chandler.sales@ametek.com • www.chandlereng.com

Programmable temperature and pressure controllers are capable of controlling multi-slope temperature or pressure gradients during a test. The usefulness of the Model 8040 Consistometer is not limited to the standard testing of cement thickening time. It can also be used to prepare slurries for other tests such as measuring free water content, testing for fluid loss or rheological properties and viscosity. For enhanced research and testing capabilities, the Model 8040 can be equipped with an external chiller for performing tests for deep-water temperatures.

Specifications

Maximum Temperature	600ºF / 315ºC
Maximum Pressure	40,000 psi / 275 MPa
Heater Power	5000 Watts
Slurry Cup Rotation Speed	150 rpm
Viscosity Range	0 to 100 Bc (Bearden Units)
Operating Temperature	40 to 120ºF / 4 to 50ºC
Pressure Medium	White Mineral Oil
Data Acquisition	Two channel strip chart recorder tracks temperature and consistency
Compliance	API Spec 10A / ISO 10426-1

Utilities

Cooling Water	20-80 psi / 140 – 550 kPa; nominal flow 2 Lpm
Compressed Air	75-125 psi / 517 – 862 kPa
Power Supply	240 VAC ±15% 50/60 Hz 7.5 kVa

Shipping Information

Dimensions	56 in. x 38 in. x 75 in. / 143 x 96 x 190 cm
Weight	2400 lb / 1090 kg

Manufacturer's specifications subject to change without notice

AMETEK®

CHANDLER ENGINEERING
2001 North Indianwood Avenue, Broken Arrow, OK 74012
Tel: +1 918-250-7200 Fax: +1 918-459-0165
e-mail:chandler.sales@ametek.com www.chandlereng.com

Houston Sales and Service
4903 W. Sam Houston Parkway, N., Suite A-400, Houston, TX 77041
Tel: +1 713-466-4900 Fax: +1 713-849-1924