Taha Kimia Tajhiz Co.

Chandler Engineering Co.

Pressurized Curing Chambers Datasheet

Cement Testing / Compressive Strength Equipment

Taha Kimia Tajhiz Co. , www.tahakimia.ir , www.oilinst.ir , info@tahakimia.com , Tel: 66431041, Fax: 66430339
2nd Floor, No 35, Behzadi Dd. End, Before Labafinejad St., Jamalzadeh St., Jomhoori Ave., Tehran

PRESSURIZED CURING CHAMBERS

A Critical Tool for Compressive Strength Testing

Chandler Engineering offers several pressurized curing chambers that are specifically designed to cure standard two-inch cement cube samples for compressive strength testing in accordance with API and ISO standards for oilfield cements. The curing chambers cover a wide range of operational temperatures and pressures to simulate a wide variety of downhole conditions during the curing process.

Selection of the best instrument for your application is based on the number of cubes needed for testing, the size and features of each curing chambers.

Each of the curing chambers has been designed for safe operation and have pressure relief and over-temperature protection. The curing chambers are an important part of any oilfield cement laboratory and are part of a complete line of cement testing instruments offered by Chandler Engineering. The Chandler Engineering Model 4207D Compressive Strength Tester is also an essential instrument used in conjunction with determining the compressive strength of the cube after curing in the curing chamber.

The Chandler Engineering Pressurized Curing Chambers have been used in hundreds of laboratories and have application in research centers, product development laboratories and field laboratories.

Operational Simplicity

The curing chambers are simple to operate. All of the operational controls are conveniently located on the front panel. The temperature and pressure are easily read on the panel gauges and digital indicators.

A programmable temperature controller is capable of controlling multi-slope temperature gradients during a test. In addition, the temperature controller will control the cooling rate at the end of the test in conjunction with the application of cooling water. Pressure is generated with an air-operated high-pressure pump, and control is maintained with a pressure relief valve.

FEATURES

- ✓ *Single or Dual Cell Instruments*
- ✓ *Capacity up to 16 standard cubes*
- ✓ *Temperature control with multi-slope gradient capability*
- ✓ *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

Model Number	Number of Cubes	Maximum Temp °F	Maximum Temp °C	Maximum Press psi	Maximum Press MPa	Input Power kVA	Weight Net lb	Weight Net Kg	Weight Ship lb	Weight Ship kg	Shipping Dimensions W x D x H
1910	16	700	370	25,000	173	9.5	1030	470	1280	580	41 x 38 x 79 in. 104 x 96 x 200 cm
7355	16	700	370	5000	35	8.5	780	350	1080	490	41 x 38 x 79 in. 104 x 96 x 200 cm
7360V	4 or BP settling tube test	600	315	6000	41	3.2	150	70	700	320	20 x 22 x 19 in. 50 x 55 x 48 cm
7370	8	700	370	3000	21	4.5	520	240	700	320	36 x 38 x 66 in. 91 x 97 x 167 cm
7375*	16 (8/cyl.)	700	370	3000	21	8.5	1030	470	1200	550	53 x 38 x 66 in. 134 x 97 x 167 cm

**Note: The Model 7375 is dual cell unit.*

Specifications

Operating Temperature

32 to 120ºF / 0 to 50ºC

Compliance

API Spec. 10A / ISO 10426-1

Utilities

Cooling Water

20-80 psi / 140–550 kPa; nominal flow 2 Lpm

Compressed Air

100-125 psi / 690-860 kPa

Power Supply

220 VAC ±15% 50/60 Hz 7.5 kVA

Manufacturer's specifications subject to change without notice

R0209.002

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