

DRB 200 Dry Thermostat Reactor

Digestion

Features and Benefits

Easy to Use and Fast

The Hach DRB 200 Dry Thermostat Reactor provides unique one-key operation. Programs for Hach procedures with digestion are preprogrammed into the instrument. And it's fast—the block heats from 20 to 150°C in less than 10 minutes.

Safe to Operate

The fully insulated heater block of the DRB 200 reactor means there can be no skin contact with the heater block. Temperature safeguards are provided to prevent overheating. The lids are transparent and lock do deter premature checking of the progress of the reaction. And the reactor will emit an audible signal and automatically shutdown at the end of the run.

Versatile

Use the DRB 200 reactor for digestions for metals analysis, digestions for nutrients analysis, or culture biological samples. Control temperatures in the reactor from 37 to 165°C in 1°C increments. In addition to preprogrammed digestion methods, use the reactor to program and store up to three custom methods.

Accommodates Most Test Vials

The DRB 200 reactor can heat solutions in round vials of two different sizes. Small, 16-mm diameter vial wells are suitable for Hach COD, UniCell™, TOC, and Test 'N Tube vials. Larger, 20-mm diameter vial wells are intended for sample preparation reaction vessels using the Metals Prep Set.



Hach's DRB 200 Dry Thermostat Reactor is the simple solution for standard and special digestions. It is preprogrammed for all standard digestions and can be user programmed for other digestions. Excellent reproducibility is assured because of its temperature stability. One-key operation for standard digestions makes it easy to use.

Optional Dual Block for Simultaneous Digestions

Two heat blocks in the DRB200 reactor give the operator independent control of two temperatures and durations. Use this option to run two programs at the same time.

DW

WW

PW

IW

E

FB

Applications

	Temperature (°C)	Time (minutes)
COD	150	120
TOC	105	120
ISO-TOC		
Metals, suspended and/or complexed (lead, cadmium, copper, iron, nickel, zinc)	100	60
Total Chromium	100	60
Total Nitrogen	100/105*	60/30
Total Phosphate	100/105*	60/30
Trihalogenmethane	100	8
User-specific programs	37 to 165	1 to 480

**Digestion temperature and time depend on test method and reagents selected.*

DW = drinking water WW = wastewater municipal PW = pure water / power
IW = industrial water E = environmental C = collections FB = food and beverage



Be Right™

Specifications*

Programmable Temperature Range

37 to 165°C (99 to 329°F)

Operating Temperature

10 to 45 °C (50 to 113°F)

Programmable Timer Range

0 to 480 minutes

Heating Rate

20 to 150°C in 10 minutes

Temperature Stability

± 1°C

Stored Programs

COD	150°C	120 minutes
TOC	105°C	120 minutes
Fixed	100, 105, 150, 165°C	30, 60, 120 minutes

Power Requirements

100 to 240 Vac, 50/60 Hz, 600 VA

Compliance

CE, GS, cTUVus

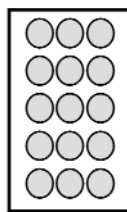
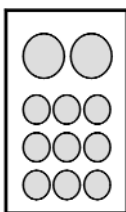
Dimensions

25.0 x 14.5 x 31.0 cm
(9.8 x 5.7 x 12.2 in.)

Number of Vial Wells

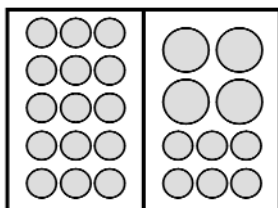
Single block:

9 16-mm and 2 20-mm or 15 16-mm



Dual block:

21 16-mm and 4 20-mm



Weight

Single block: 2 kg (4.4 lbs.)

Dual block: 2.8 kg (6.2 lbs.)

Warranty

Two-year

**Specifications subject to change without notice.*

Engineering Specifications

1. The digestion reactor shall be a bench top instrument for heating prepared samples to temperature for the designated time for the test.
2. The instrument shall have a programmable temperature range of 37 to 165°C.
3. The instrument shall have a programmable timer range of 0 to 480 minutes.
4. The instrument shall have a heating rate of 20 to 150°C in 10 minutes.
5. The instrument shall be equipped with stored digestion programs.
 - a. COD: 150°C; 120 minutes
 - b. TOC: 105°C; 120 minutes
 - c. Fixed: 100, 105, 150, 165°C; 30, 60, 120 minutes
6. The instrument shall accommodate 16-mm and or 20-mm vials.
7. The power requirements of the instrument shall be 100-240 Vac, 50/60 Hz.
8. The instrument shall be Model DRB 200 Dry Thermostat Reactor manufactured by Hach Company.

Ordering Information

- LTV082.53.30001** DRB 200-1, single block, 9 16-mm and 2 20-mm vial wells
- LTV082.53.40001** DRB 200-1, single block, 15 16-mm vial wells
- LTV082.53.42001** DRB 200-2, dual block, 21 16-mm and 4 20-mm vial wells

Lit. No. 2462

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In the interest of improving and updating its equipment, Hach Company reserves the right to alter specifications to equipment at any time.

At Hach, it's about learning from our customers and providing the right answers. It's more than ensuring the quality of water—it's about ensuring the quality of life. When it comes to the things that touch our lives...

Keep it pure.

Make it simple.

Be right.

For current price information, technical support, and ordering assistance, contact the Hach office or distributor serving your area.

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