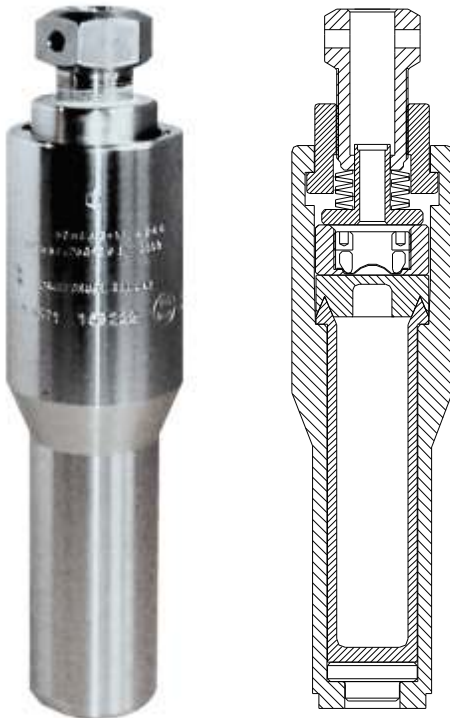


# digestec

## Pressure Digestion DAB-2

50 ml, 250°C, 200 bar/2,900 psi

Digestion of ceramic, coal and synthetic materials possible



### ■ Description

- Pressure vessel stainless steel 316TI
- 50 ml PTFE inserts
- Overpressure safety device
- Bayonet closure
- TÜV-approval for each vessel
- Suitable heating blocks with thermal insulation

### ■ Basic Equipment

Base plate, bayonet quick closure, rupture disk, 200 bar with fitting, TÜV-approval (security check certificated), without Vessel- insert.

**Note:** At least one mounting tool is necessary for use of DAB-2 and DAB-3 pressure vessels.

### ■ Accessories

Description	Order No.
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#### Mounting tool for DAB-2

Consisting of torque wrench, with plug-in nut, base plate, face spanner, spring replacement mandrel, metallic lubricant.	5218060
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#### Pressure vessel insert

Teflon® TFM, 50 ml, with cap, V-sealing	5215500
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Teflon® TFM, 50 ml, with cap, sealing lip	5215570
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Stainless steel 316TI, 50 ml, mit Teflon® TFM cap, V-sealing	5215590
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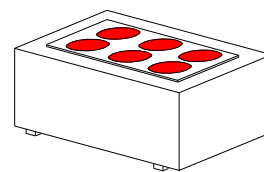
#### Heating blocks

Heating block DAH-406	5271060
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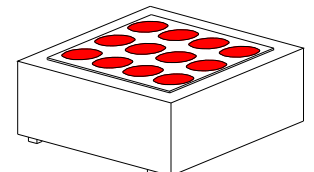
With 6 holes diameter 41 mm for digestion vessel DAB-2, heating power 1,000 Watt, power source: temperature controller incl. power cable.

Heating block DAH-412	5272120
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With 12 holes diameter 41 mm for digestion vessel DAB-2, heating power 2,000 Watt, power source: temperature controller incl. power cable.



Heating block DAH-406



Heating block DAH-412

**Note:** We recommend to use above mentioned heating blocks

On request we are able to offer custom made heating blocks.

■ **Accessoires**

Description	Order No.
<b>BTC-3000 Temperature Controller</b>	<b>5729000</b>
Power supply:	90 – 240 V
Max. switching current:	16 A
Max. heat output:	3,000 W
Fusing:	Automatic cutout in the mains power plug
Temperature probe:	NiCrNi, DIN 43710
Temp. probe break indicator:	yes
Measuring range:	0 to 500 °C, depending on the employed sensor
Display accuracy:	+/- 1 °C
Measuring accuracy:	+/- 3 °C across the entire measurement range
Type of regulation:	PID controller
Temperature program:	Max. of six steps comprising warm-up time, hold time and setpoint temperature, pressure monitoring
Max. program duration:	400 hr or approx. 17 Tage
Overtemperature protection:	Preset at: 300°, 50 – 300°C, adjustable
Display:	62 x 42 mm, 128 x 64 pixel sw LCD
External dimensions (L x W x H):	280 x 170 x 125 mm
Weight:	approx. 1,600 g



The easy-to-use BERGHOF temperature controller unites all control and regulating parameters in a single, compact unit.

All process parameters are easily accessible. The built-in data logger allows the parameters to be documented on a PC.

- The heating programs are programmed and controlled in up to six steps comprising warm-up time, hold time and temperature. The PID (Proportional Integral Derivative) controller's regulating parameters are freely programmable. The temperature progression can be graphically monitored on the built-in display.
- The BTC-3000 regulating unit can be employed as a universal temperature controller for devices with a power consumption of up to 3,000 W.
- Connecting a second temperature probe allows a second, independent overtemperature protection to be implemented. An own temperature sensor and a separate, independent electronic circuit allow the greatest possible degree of process security to be obtained.

The software included as part of the standard delivery permits data from up to eight channels to be recorded to an external PC. The software can be used to record the temperature progression while simultaneously regulating the temperature.



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