

Digesters

Digesters with programmable temperature ramps

The mineralization units of the DK series are designed for digesting solid and liquid samples in order to determine the nitrogen/protein content according to the Kjeldhal method.

The digesters are made up of a heating block in aluminum that offers excellent thermal homogeneity, with a maximum working temperature of 450°C. The block's temperature is controlled by dedicated microprocessor electronics. The temperature probe does not require calibration since the electronics sees to its self-calibration every time the device is turned on. All of this makes it possible to obtain excellent test precision and repeatability. You can select up to 20 work programs with 4 temperature ramps for each program. In compliance with the GLP (Good Laboratory Practices), the data referring to the tests being run can be sent to a printer or PC for storage.

All Velp Scientifica digesters have a special tube and fume hood support system able to help cool the samples, make their treatment safer and save space. In order to completely neutralize the fumes, the DK series digesters can be combined with the JP fume suction pump (code F30620198) and with the SMS scrubber (code F30700199).

Velp Scientifica offers a complete range of digesters able to house tubes of different sizes for Kjeldhal analyses (Ø 42mm volume max 300 ml) and for micro-Kjeldhal analyses (Ø 26mm volume max 100 ml).

Technical Data DK Series

Stainless steel structure protected by special resin and paints giving a high resistance to chemicals and mechanical corrosion.

Language selection: I, F, UK, E, D, T

Temperature range: from room temperature to 450°C

Temperature auto-calibration

Digestion time range: from 001 to 999 minutes or in continuous

Time selection: 1 minute

Display visualization of the reached temperature and remaining time

PERFORMANCES

Stability of the heating block temperature: $\pm 0,5^{\circ}\text{C}$

Homogeneity of the heating block temperature: $\pm 0,5^{\circ}\text{C}$

Precision of the heating block temperature: $\pm 0,5^{\circ}\text{C}$

SAFETY

Against overtemperature: thermostat

Damaged temperature probe: shown on display and acoustic signal

According to

AOAC

EPA

DIN

ISO

Velp solution for KJELDAHL analysis



DK 20

230V
2300
393x152x446 (15,5x6x17,6)
24 (52,8)
YES
20 samples in 300ml test tubes with Ø 42mm

from room temp. to 450°C
 $\pm 0,5^{\circ}\text{C}$
°C or °F
from 001 to 999 minutes
20
from 1 to 4 ramps for each program

YES
RS232

DK 20/26

230V o 115V
1100
293x152x399 (11,5x6x13,3)
10 (22)
YES
20 samples in 100ml test tubes with Ø 26mm

from room temp. to 450°C
 $\pm 0,5^{\circ}\text{C}$
°C or °F
from 001 to 999 minutes
20
from 1 to 4 ramps for each program

YES
RS232

DK 40/26

230V
2300
393x152x446 (15,5x6x17,6)
24,6 (59,9)
YES
42 samples in 100ml test tubes with Ø 26mm

from room temp. to 450°C
 $\pm 0,5^{\circ}\text{C}$
°C or °F
from 001 to 999 minutes
20
from 1 to 4 ramps for each program

YES
RS232

DK 60/48

230V o 115V
1100
293x152x399 (11,5x6x13,3)
8,2 (18)
YES
8 samples in 300ml test tubes with Ø 48mm

from room temp. to 450°C
 $\pm 0,5^{\circ}\text{C}$
°C or °F
from 001 to 999 minutes
20
from 1 to 4 ramps for each program

YES
RS232