

VACUSOG

SCRUBBER UNIT FOR INORGANIC DIGESTION FUMES



Powerful scrubber for the separation and neutralization of inorganic acid fumes created during Kjeldahl digestion.

RECOMMENDED ACCESSORIES

The ZKV additional cooler was specifically designed for water separation of digested aqueous samples. It can be added to the VACUSOG and connected to the cooling water supply in the laboratory.



Order No. 12-0779 VACUSOG

Order No. 12-0786 Additional cooling unit (ZKV)

ESPECIALLY EFFECTIVE

- + 4-step separation system:
 - Neutralization of digestion fumes
 - Gas scrubbing
 - Separation of the condensate by traps
 - Absorption of the residual gas by activated carbon plus an additional condensate bottle for digestion of samples with high water content provide safe handling of digestion fumes.
- + Powerful suction

FLEXIBLE

- + Can be used for all established Kjeldahl digestions.
- + Continuously adjustable suction power allows a smooth adaption to the number of digestion samples in the unit and to the requirements of the specific digestion process.
- + Can be combined with C. Gerhardt digestion units KJELDATHERM and TURBOTHERM and with classic digestion apparatus equipped with exhaust manifold. To be connected to the junction of the manifold.

ECONOMICAL

- + No water supply needed
- + Low electricity consumption

COMFORTABLE AND EASY SERVICING

- + Very low operation noise
- + All parts are easy accessible by just raising the hood. Washing and neutralization bottles, tubes and filters can be easily removed and cleaned.
- + Can be controlled / programmed via automatic digestion units KJELDATHERM KT or directly at the VACUSOG by switching on/off or adjusting the suction power

TECHNICAL DATA

Dimensions W x D x H	342 x 463 x 490 mm hood closed 342 x 463 x 720 mm hood open
Dimensions ZKV	160 x 400 x 490 mm hood closed 160 x 400 x 720 mm hood open
Weight	approx. 22 kg (ZKV 9 kg)
Nominal consumption	0.7 – 1.8 A, 160 W
Nominal voltage	100 – 240 V, 50 / 60 Hz
Cooling water consumption	0 – 5 l/min (ZKV)
Cooling water pressure	0 – 6 bar (ZKV)
Suction capacity	0 – 120 l/min

OPERATING MATERIAL

Water	1.2 l for the washing bottle
NaOH 15 %	1.2 l for the neutralization bottle
Activated carbon	approx. 100 g for 400 to 600 samples