

# UDK127 Distillation Unit

## The New Basic Solution for Kjeldahl Analysis

- Integrated display and new software facilities
- Slim shape in a new plastic housing
- Highest performances based on the Innovative Titanium Condenser



**UDK 127 Distillation Unit** is a new release from VELP Scientifica and represents a solution which further extends VELP's offer in the distillation units range.

The new UDK 127 is provided with a housing **completely covered in plastic material** so assuring improved resistance to attacks from chemical agents and an extended life time.

The **Velp patented steam generator**, the **technopolymer splash head** and the **innovative titanium condenser** (patent pending) guarantee the highest performances and productivity, with a drastic reduction of running and maintenance costs.

This unit features an **integrated display and a new software** which bring an excellent usability and new operational options.

The UDK 127 is designed **for diversified and flexible use**, including applications such as determining ammoniacal nitrogen, protein nitrogen, nitric nitrogen (after reduction), phenols, volatile fatty acids, cyanides, sulphur dioxide, alcohol content, etc. according to official procedures.

## Features and Benefits

The new unit UDK 127 represents **the basic solution** developed by Velp Scientifica in the Distillation units range.

Thanks to **a new software and an integrated timer**, the UDK 127 allows to run automatically the distillation time and the sodium hydroxide addition. The supply water flow is automatically stopped during pauses, thus cutting down on its consumption.

The instrument is equipped with a system that recognizes when the sliding protection door is not closed and when the test tube is not in the proper position, without which the dosing pump does not start operation. An innovative system allows various sizes of test tubes to be used and 500 ml Kjeldahl flasks to be housed.

**Low maintenance, time saving, extend life time and cost reduction** are some of the main advantages of Velp patented steam generator.

**The innovative titanium condenser** allows **drastically saving of cooling water** thanks to an optimized heating exchange, while the **technopolymer splash head** increases chemical resistance and assures preventive maintenance reduction.

UDK 127 works in accordance with official methods **AOAC, EPA, DIN and ISO**.

It comes ready to use, **complete with** test tube, pincer for test tube, collecting flask and inlet tube.

Specification	Description
Power Supply	220 - 240 V / 50 - 60 Hz - 110 -120 V / 50 – 60 Hz
Housing:	stainless steel structure with complete plastic cover
Set distillation time:	display visualization
Distillation time:	5 minutes to collect 100 ml of distillate
Sodium hydroxide addition:	automatic
Sodium hydroxide volume:	0 - 100 ml
Tap water consumption:	0,5 l/min at 15°C - 1 l/min at 30°
Reproducibility (RSD):	≤1%
Recovery:	≥99,5% at nitrogen levels between 1 - 200 mgN
Detection Limit:	≥0,1 mg N
Power:	2100 W
Weight:	23 Kg (50.6 lb)
Overall Dimensions (WxHxD):	320x770x386 mm (12.6x30.3x15.2 in)

Ordering Information	Description
F30200183	UDK127 Distillation Unit 220 - 240 V / 50 - 60 Hz
F30210183	UDK127 Distillation Unit 110 -120 V / 50 – 60 Hz