

# ECO COD Thermoreactors

COD in 30 minutes!

- Suggested for COD analysis using fast analysis test tubes
- Suitable for determination of many parameters in waters and sludges



Sample preparation is one of the most important steps in every analytical procedure.

VELP's thermoreactors ECO series can be considered as **advanced solutions**, suitable to satisfy different analytical needs and to obtain very high precision and reproducibility for the final results.

They have been studied for **COD analysis** and for sample preparation, by wet digestion, for the determination of metallic and non metallic elements on different organic and inorganic samples (minerals, alloys, food and feed, soils, sediments, biological tissues).

Starting from today, VELP Scientifica offers the possibility, by its programmable thermoreactors (ECO 6, ECO 8, ECO 16, ECO 25), to perform a **fast COD determination in just 30 minutes!**

## Features and Benefits

Thanks to the introduction of the new 160 °C temperature, it's possible to perform COD analysis just in 30 minutes. Last result of the continuous development and improving of the analytical equipment, which is a constant factor in VELP's philosophy.

The solution for every need:

- Thermoreactors 8, 16 and 25 places, to perform tube tests with complete reliability and safety , thanks to the:
  - safety shield
  - protection on the heating block (ECO 8 and 25)
  - safety thermostat
- 6 places thermoreactor for COD analysis according to IRSA –CNR italian official method. The 3 places reducer (upon request) permits to perform tube tests up to 18 samples simultaneously.

Among the main characteristics:

- **ECO 8 and 25** - Possibility to select 5 different temperatures (70, 100, 120 150, 160 °C) and 4 working times (30, 60, 120 minutes or continuous).
- **ECO 16** - Possibility to set reaction time from 1 to 199 minutes or continuous and visualization of th reaching of selected temperature (from room temperature to 160 °C).
- **ECO 6** - Possibility to set reaction time from 1 to 199 minutes or continuous and electronic programming for temperature (from room temperature to 200 °C).

ECO series have an acoustic signal at the end of working cycle with automatic shut off.

Technical features	Description
Supply	220 - 240 V / 50 - 60 Hz      110 - 130 V / 50 – 60 Hz For ECO8 / ECO25 automatic voltage changer
Selectable Temperature	ECO6      from room temp. to 200°C ECO8      70-100-120-150-160°C ECO16     from room temp. to 160°C ECO25     70-100-120-150-160°C
Sample number	ECO6      6 tubes of 20 ml ECO8      8 test tubes of Ø 16mm; 1 test tubes Ø 22mm ECO16     14 test tubes of Ø 16mm; 2 test tubes Ø 22mm ECO25     25 test tubes of Ø 16mm
Power	ECO6      ECO8      ECO16      ECO25 700 W      140 W      550 W      400 W
Weight	ECO6      ECO8      ECO16      ECO25 5,6 Kg      2 Kg      3,8 Kg      3,6 Kg
Dimensions (W x H x D)	ECO6      198 x 132 x 319 mm (7,8 x 5,2 x 12,5 in) ECO8      135 x 95 x 230 mm (5,3 x 3,7 x 9 in) ECO16     168 x 110 x 269 mm (6,6 x 4,3 x 10,6 in) ECO25     155 x 95 x 275 mm (6,1 x 3,7 x 10,8 in)
Cod. N°	Description
F10100120	Thermoreactor ECO 6
F101A0127	Thermoreactor ECO 8
F10100126	Thermoreactor ECO 16
F101A0125	Thermoreactor ECO 25



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