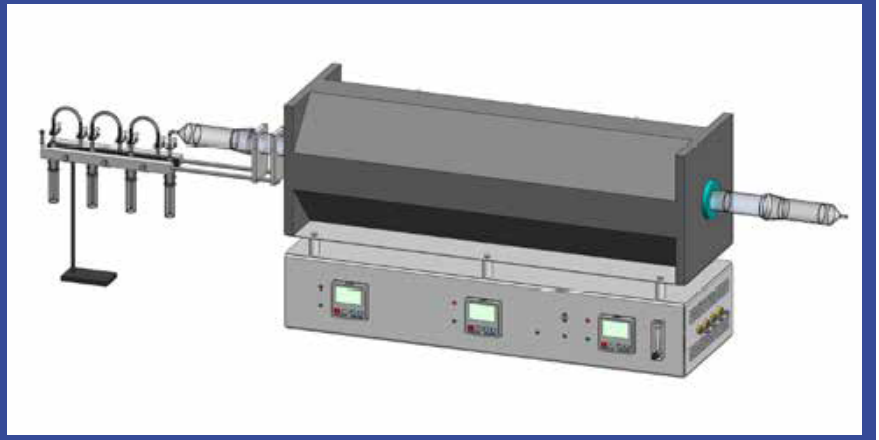


Tyne H3/C-14 Oxidizer Furnace Tyne Model Number: 7030



Tyne Engineering specializes in the custom design and manufacture of equipment for the analysis and handling of radioactive materials. These include Tritium, Carbon 14 and other low to medium level wastes. The 7030 is intended for capture of tritium and Carbon-14 from biological and environmental samples by pyrolysis of samples followed by high temperature catalysis to THO and CO₂. The evolved gases are captured in bubblers for THO capture followed by bubblers for CO₂ capture. The resulting bubbler samples are analyzed using a laboratory liquid scintillation counter.

Features

- Fully customizable, with the addition of cryo-cooler, reagents dispenser, view ports, optional bubbler sizes, full automation, or liquid scintillation counter.
- Model #7030 captures at least 97% of C-14 and H-3.
- Uses small sample size (5 grams minimum).
- Three separate heat zones, for maximum efficiency.
- Capable of high temperatures (up to 1000°C).
- Multiple step programmable oxidation.
- Captures 97% of CO₂ (including C-14) and water vapor (including tritium).
- No introduction of impurities.
- Standard 230 Volt power supply.
- Window allows assessment of combustion.
- Optional injection system to allow the use of other reagents without contamination.

Agent Stamp / Business Card

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