

Pyrolyser Tri-Fours

Tritium ^3H , Carbon ^{14}C , Chlorine ^{36}Cl



Extraction of ^3H and ^{14}C

The Pyrolyser Tri-Fours is an efficient and reliable extracting system for ^3H and ^{14}C . It's used for the preparation of a wide variety of samples such as soil, sediment, solvents, algae, leaves, fish, cement, concrete, plastics, food, insects,

Why choose the Tri-Fours ?

- The most compact, robust and reliable – could be customized
- Monitored by software, it offer a pyrolysis zone and a combustion zone
- It allows to program and to save temperature sequences for each kind of samples
- With an integrated cooling system, cool your trapping container (vials, bottles...) up to -10°C .

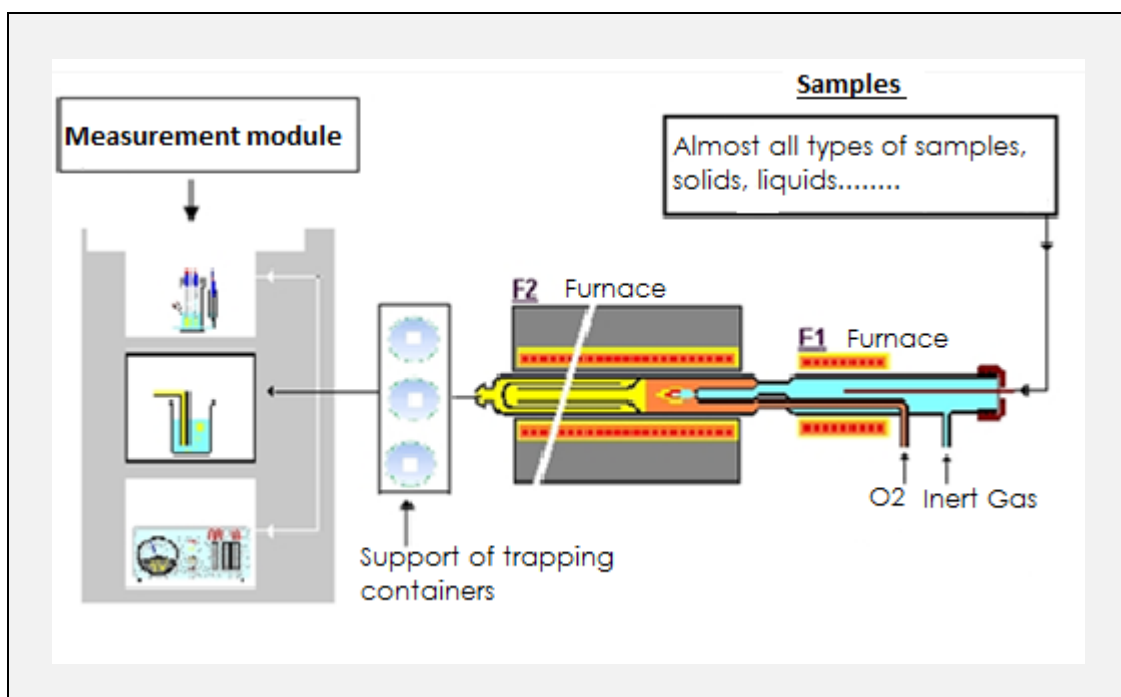
Free yourselves, enjoy the flexibility of different samples sizes (8 to 250 cc) and improve your results.

Features and benefits

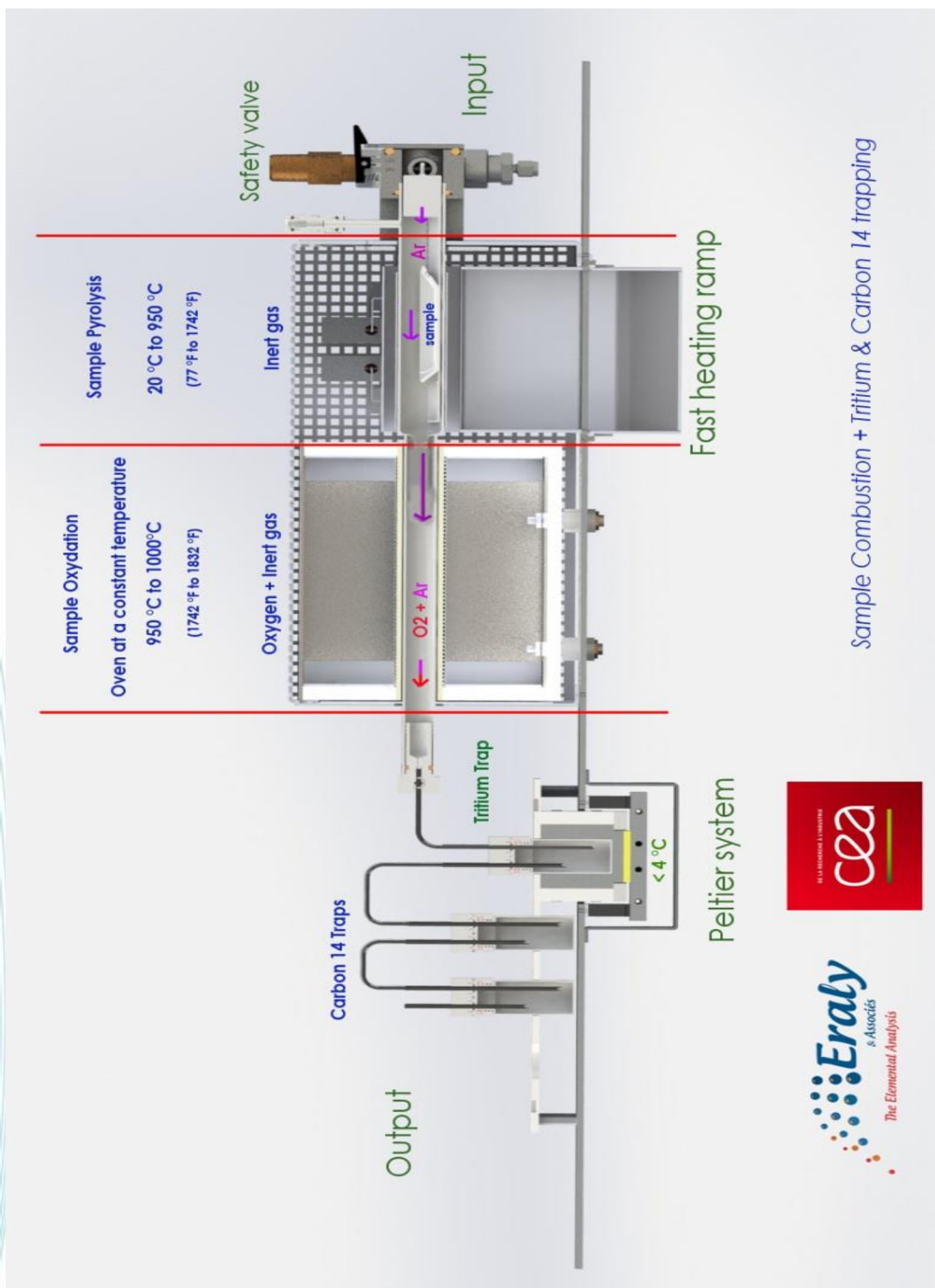
- One, two or three sample work tubes (independent or dependent)
- Insignificant radionuclide memory effects for ^3H and ^{14}C
- High safety ensured by valve and by alarms (gases, temperature, cooling system..)
- Automatic start and standby, programmable, managed by the Software
- Different samples sizes (dry , from 8 to 250 cm³)
- Trapping efficiencies more than 97% for ^3H and ^{14}C
- Efficient and rapid, up to 7 samples per day per work tube (depends on program)

<u>TECHNICAL SPECIFICATIONS</u>	
Dimensions	
standard apparatus	3 work-tubes (W.H.D. = 80 cm x 52 cm x 40 cm)
Supply requirements	
Power	1200 W, 1-phase electrical supply / 3 x 800 W, 3-phases
Electric	230 V – 50 Hz (110 V could be available on request)
Gases	Oxygen and Inert gas (Nitrogen or Argon or Helium)
Sample Sizes	
Dried materials	8 to 250 cm ³
Monitoring	
Software MIPO5 - Manages	Temperature program / cooling systems / alarms.....

Schematic diagram of Gas circuits



Schematic view of the Equipment



We manufacture also :



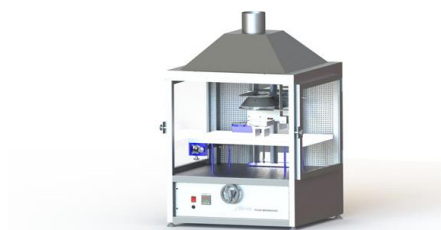
Chlorine Analyzer
AOX - Pox - Eox according to
ISO 9562



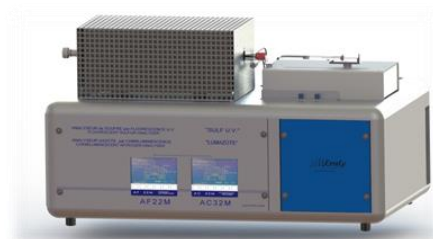
Wickbold / Sulfur
ASTM D2784 / ASTM D2785 -
AFNOR M41-009 / ISO 4260 -
IP243 / DIN 51408 NF.EN
24260 / EN41



***Tubular furnace with
temperature controller for
laboratory***



***Fire -Testing Furnace for
PVC and Plastics tube***



***Nitrogen and/or Sulfur
Analyzer***
ASTM D4629 / ASTM D6069 /
ASTM D5453 / ASTM D6667....etc

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