



SAM HTO™

Membrane Separator

Membrane separator for physical separation of tritium HTO in all premises surveillance applications, stack monitoring or any other application.

# FEATURES

#### • Simple

- Integrated monitors
- No user-handling required
- Reliable
  - Maintenance-free
  - Continuous measurement

### DESCRIPTION

The SAM HTO membrane separator enables the physical separation of tritium HTO from other gases. It allows the measurement of tritium activity in the from of HTO in a mix HT + HTO, or the measurement of noble gases activity from which HTO can be removed.

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It is adapted for applications in stack surveillance as well as process monitoring.

With no need for replacement or maintenance, it does not create any waste, thus presenting a valuable alternative to currently existing solutions.

## SCHEMATIC DRAWING







Injection of 1 MBq/m<sup>3</sup> (27  $\mu$ Ci/m<sup>3</sup>) tritium in the form of HT, then of 2 MBq/m<sup>3</sup> (54  $\mu$ Ci/m<sup>3</sup>) of tritium in the form of HTO. The injection of HT is stopped, then injection of HTO is stopped as well.

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