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New advances in very low gas consumption

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The carbon footprint is of main importance for the sustainability of man kind. We must all want to contribute to the reduction of carbon emissions, and gas radiation detectors should not be a privileged island. Many efforts have been done during the last years in our community: searching for new ECO-friendly gases; implementing recovery and/or re-circulation systems; improvements in detector tightness; use of new materials and approaches in detector conception and operation; and the reduction of gas flow rates are the main ones.

In this work the results and conclusions of our efforts during the last years will be presented. Showing how important is the selection of the materials used in chamber construction and how this is relevant in very low gas consumption.

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