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Afecor supports the Hydrogen standardization process

Hydrogen appliances fall under the Gas Appliance Regulation (GAR) (EU) 2016/426. There are currently no generally recognized European documents for the certification of hydrogen appliances.

Afecor is working with CEN/TC 58 (European Technical Standardization Committee for safety and control devices for burners and appliances burning gaseous or liquid fuels) to adapt the existing product standards to the use of Hydrogen.

Therefore, an expert group has been installed under CEN/TC 58, which will now prepare a Technical Report (CEN/TR) on the use of controls with hydrogen. The Technical Report is expected to be publicly available in the first quarter of 2022. The purpose of the CEN/TR is to serve as a basis for the revision of the existing CEN/TC 58 product standards for the use of hydrogen.

There are also other technical Standardization Committees working on Hydrogen topics according to their respective scope. CEN/TC 58 is going to sharing their experience and findings to help their standardization process and to avoid duplicate activities.

The scenarios which are currently being discussed are Hydrogen natural gas admixtures up to 20% (H₂NG) and pure Hydrogen (H₂) concentration.

The goal is to establish a complete set of standards for controls and applications to facilitate the introduction of Hydrogen on a broad basis.