EUROPEAN ASSOCIATION OF PUMP MANUFACTURERS
ASSOCIATION EUROPÉENNE DES CONSTRUCTEURS DE POMPES
EUROPÄISCHE VEREINIGUNG DER PUMPENHERSTELLER

Europump Guide

Guideline on the application of Commission Regulation 641/2009/EC and the amendment 622/2012/EC with regard to ecodesign requirements for circulators

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Introduction

Commission Regulation (EC) 641/2009 and its amendment (EC) 622/2012 implement the EuP/ErP Directive by specifying ecodesign requirements for glandless standalone circulators and glandless circulators integrated into products. The ecodesign requirements imply that only circulators with an Energy Efficiency Index (EEI) of not more than 0.27 are allowed after 2013 and only circulators with an EEI of not more than 0.23 are allowed after 2015. The aim of this guideline is to clarify possible questions when implementing these requirements. The following bullet points describe how Europump interprets some of the terms and definitions in this legal text:

- **Placing on the market**: According to the EuP/ErP directive, placing on the market means making an EuP/ErP available for the first time on the Community market with a view to its distribution or use within the Community, whether for reward or free of charge and irrespective of the selling technique. A circulator sold to an OEM customer for integration into a product (ie boiler, heat pump etc) is ***not*** placed on the market. A circulator integrated into a product is placed on the market when the product is placed on the market. This is in line *with Guide to the implementation of directives based on the New Approach and the Global Approach (Blue guide, 2000)* which states:

    - *Placing on the market is considered not to take place where a product is: transferred to a manufacturer for further measures (for example assembling, packaging, processing or labelling)*;

- **CE marking and declaration of conformity:**

    - Circulators in the scope of this Regulation cannot be CE marked if they do not fulfill the ecodesign requirements.
    - Circulators outside the scope of this Regulation can be CE marked if they fulfill the requirements of other directives.
    - Circulators outside the scope of this Regulation can be CE marked without reference to this Regulation, if they fulfill the requirements of other directives (except for the product information requirement, ie drinking water circulators and spare part circulators for integration in products).

- **Circulators in the scope:** The ecodesign requirements in this Regulation are independent of the application and follow the scope of the EuP/ErP directive. This means that circulators in all applications except transportation(ships, trains etc.) are covered.

- **Standalone circulators for solar and heat applications:** Standalone circulators specifically designed for primary circuits of thermal solar systems and heat pumps are exempted from the energy efficiency requirements until 1 August 2015. Europump interprets the intention of the legal text such that an **EEI** should not be indicated on the name plate and in the technical documentation for these circulators before the requirements come into force. Europump recommends that these types of circulators are clearly indicated for their specific application.

- **Specific speed correction:** For circulators integrated into products and specifically designed for primary circuits of thermal solar systems and heat pumps, the EEI calculation includes a correction for specific speed. This correction does not apply to standalone circulators in these applications.

- **Benchmark value:** Europump interprets the intention of the legal text in Amendment, Annex I, 2. (b) such that the Benchmark should be in the documentation of the pump and not on the pump itself.

- **Reference to standard EN16297**: The EEI value on the name plate should be followed by an indication of which part of EN16297 was applied for the determination of the EEI (i.e. '*EEI $\leq$ 0.23 – PART2*').