

February 2015

EPEE Position Paper

## VHK Discussion document Review Commission Regulation (EU) No. 327/2011 (fans)

### EXECUTIVE SUMMARY

EPEE, representing the heating, cooling and refrigeration industry, welcomes the review of Regulation No. 327/2011. However, we would like to raise additional concerns with regards to several points discussed during the two stakeholder meetings on 1 October 2014 and on 22 January 2015 and presented in the latest VHK discussion document, published on 25 November 2014.

In line with the previous joint industry position papers (from October & November 2014, please see Annex below) on the review of the fan regulation and spare parts, the comments below will specifically address the following additional points:

1. Double regulation is counter-productive and ignores the regulatory reality
2. Mass-produced fans are placed on the market at the moment of sale
3. Spare parts need to be completely excluded
4. Centrifugal forward curved fans should not be merged with centrifugal backward curved fans
5. The requirements on axial fans are too high and should be reconsidered
6. The definition of best efficiency point is acceptable

### 1. Double regulation is counter-productive and ignores regulatory reality

EPEE calls again upon VHK and the European Commission **to delete ecodesign requirements for fans incorporated into products, if these products already need to comply with ecodesign requirements, for the following main reasons:**

#### **Lack of thorough evaluation of the “Least Life Cycle Cost”:**

Neither the preparatory study developed by Fraunhofer Institute in 2008, nor the first reports by VHK have thoroughly analysed the impact of the current regulation on fans incorporated in other products. Therefore, there is a real risk that double regulation will increase the cost of products without increasing their energy efficiency, thereby possibly reducing the use of energy-efficient products by consumers. In addition, setting strict requirements at component level may hamper

innovation that allows for the most cost efficient products with the highest possible product efficiency.

### **The regulatory context has changed:**

The regulatory context has changed considerably since the first fan regulation entered into force. Whilst at that time, double-regulation concerned only some few products, today it would apply to a total of seven product lots in the heating, cooling and refrigeration sector. This results in disproportionate burden for both, manufacturers and market surveillance authorities.

- EU No 206/2012: air conditioners < 12 kW
- EU No 813/2013: space heaters < 400 kW
- EU No 814/2013: water heaters < 400 kW
- EU No 1253/2014: ventilation units
- ENTR Lot 1: professional refrigeration products
- ENER Lot 12: commercial refrigeration products
- ENER Lot 21: air heating products, cooling products and HT process chillers

In addition, EPEE re-emphasizes the arguments against double regulation, which have already been outlined in the joint industry position paper of November 2014 (see Annex1), in particular:

- Lack of freedom for manufacturers to optimize efficiency
- Ecodesign requirements for products already take into account components' efficiencies
- Misalignment of the various implementation tiers
- Significant burden for market surveillance authorities

## **2. When are fans placed on the market?**

To make sure that placing on the market is correctly defined and does not occur twice, it is important to distinguish between the case of mass-produced fans and that of fans produced under OEM agreements.

### **Mass-produced fans:**

If fans are mass-produced, they must be considered as placed on the market as soon as the fan manufacturers sell their fans. In that case, fans are “stand-alone” components which are sold independent of the requirements of specific product manufacturers. The product manufacturer does not place the fan on the market again, once it is incorporated in the final product, otherwise it would be placed on the market twice.

### **Customized fans:**

If fans are specifically designed to be integrated in products of individual manufacturers, according to their requirements, they should only be considered as placed on the market when the final product will be placed on the market by the manufacturer. Indeed, in that case there is a clear relationship with the product manufacturer which justifies that the latter has the responsibility for placing them on the market.

### **3. A grace period of five years for replacement fans is not sufficient**

EPEE calls again upon VHK and the European Commission to exempt replacement fans from the scope of the fan regulation (see Annex 2, Industry position paper of October 2014). A grace period of five years as suggested in VHK's discussion document is unacceptable and will not be sufficient to ensure the functioning of HVACR products during their life time.

EPEE therefore calls for a time period of at least 10 years to overcome this issue and to ensure that HVACR products' life time is taken into consideration.

As a solution to concerns with regard to the creation of loopholes EPEE suggests clearly marking or labelling spare parts as such. This would clearly differentiate spare parts from other fans.

### **4. Centrifugal forward curved fans should not be merged with centrifugal backward curved fans**

Forward Curved Centrifugal fans are essential components for slim ducts and ceiling type indoor units, for instance. A single set of MEPS for both forward and backward curved fans would result in banning these fan types from the market which is against the ecodesign principle of technical neutrality. Forward Curved Centrifugal fans cannot simply be substituted by Backward Curved Centrifugal fans (e.g. turbo fans).

Forward curved centrifugal fans are considerably smaller than other fan types for a given duty<sup>1</sup>. Airflow rates can be as high as 2.5 times that of a similar sized backward curved centrifugal fan. They are also quieter than other fan types for the equivalent air volume.

These two factors make them an ideal choice for the HVAC industry where space is at a premium and good ventilation and low noise levels are a requirement. Companies have manufactured units using this fan type to meet the limitations set by building regulations and standards for many years. The proposed changes to EU 327/2011 would severely limit their choices when designing future products. The removal of forward curved centrifugal fans would not only have a substantial impact on design, but also limit customers' choice and significantly impact the price of the products. We can accept that for powers above 5kW, the use of a backward curved centrifugal fans is viable in the majority of applications, but at powers up to 5KW, a forward curved centrifugal fan can offer significant benefit.

EPEE therefore calls upon VHK and the Commission to maintain two different categories for forward and backward curved fans. In addition a more realistic level of efficiency level should be proposed for Forward Curved Centrifugal fans. Regarding the tiers, only one tier should be proposed and there should be thorough consideration of the timing of the tier to avoid interfering with the requirements set for final products.

### **4. The requirements on axial fans are too high and need to be reconsidered**

The requirements as proposed in the discussion document are too high and should be reconsidered.

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<sup>1</sup> Fans & Ventilation, A practical guide, W.T.W Cory, Elsevier, ISBN 0-080-44626-4.

To our understanding, propeller fans, tube axial fans, and vane-axial fans are not differentiated. Although tube axial fans and vane-axial fans are more efficient than propeller fans, EPEE members' products use the latter because they allow for a compact design of their products. Therefore, propeller fans are essential, and simple replacement of these fans with other types of axial fans is not possible.

Regarding the tiers, only one tier should be proposed and there should be thorough consideration of the timing of the tier to avoid interfering with the requirements set for final products.

### **5. The definition of best efficiency point is acceptable**

EPEE supports VHK's proposal on clarification of best efficiency point as a relative value to be set at any operating point on the  $q_v - \Delta p$  curve because the current fan regulation has been based on this method. Any change without a sufficient analysis on possible consequences would potentially create huge burden on Industry. The current interpretation shall therefore be maintained.



## About EPEE:

The European Partnership for Energy and the Environment (EPEE) represents the refrigeration, air-conditioning and heat pump industry in Europe. Founded in the year 2000, EPEE's membership is composed of 40 member companies, national and international associations.

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## ANNEX 1:



DIGITALEUROPE



JRAIA

October 2014

Joint Industry Position Paper (CECED, DIGITALEUROPE, EPEE, JBCE & JRAIA)

## Position on the review of the Fan Regulation (327/2011)

### EXECUTIVE SUMMARY

This paper summarises CECED, DIGITALEUROPE, EPEE, JBCE and JRAIA's comments related to the first interim report in the framework of the Fan Regulation review that was published in July 2014 and to the stakeholder meeting that took place on October 1st. It addresses the following key areas of concern:

- Scope
- Double regulation
- Replacement fans
- Additional product categories
- Ecodesign information requirements
- Exclusions for impellers and fans in tumble dryers and kitchen hoods
- Market surveillance

### 6. Double regulation is counter-productive and can undermine the principle of Least Life Cycle Cost

CECED, DIGITALEUROPE, EPEE, JBCE and JRAIA call upon VHK and the European Commission to delete ecodesign requirements for fans incorporated into products, if these products already need to comply with ecodesign requirements (e.g. air-conditioners). In the worst case, such double regulation would increase the cost of products without increasing their energy efficiency, thereby possibly reducing the use of energy-efficient products by consumers.

**Double regulation is unnecessary and should be avoided for the following reasons:**

1. Double regulation will limit the freedom of manufacturers to design products and increase the cost of products without granting a reduction of the energy consumption of the final product. The energy efficiency value of a final product does not simply represent the sum of its components' efficiencies. In the case of tumble dryers, for example, the fan power input losses are converted into heat, in accordance with the first law of thermodynamics, which adds up to the power of the heaters to heat the air. Therefore, any saving in the input power of the fan will require an equivalent addition in the power of the heaters. The sum of both will be exactly the same, and the energy benefit will be exactly zero.
2. Ecodesign requirements at product level are based on the analysis of the Ecodesign preparatory study, which takes into account the components' efficiencies and their improvement potential when incorporated into the final product.
3. Regulating fans incorporated into products will represent a significant burden for market surveillance authorities as additional testing at component level would be required. We believe that adding such testing obligations will further hamper effective market surveillance. For example, to test the fans integrated in heating, ventilation and air conditioning (HVAC) products for market surveillance, there are 2 options:
  - Option 1: Extract the fan (motor, impeller and housing/nozzles) from the product and test
    - In most cases, for HVAC equipment this is practically impossible because the housing/nozzle of the fans is an integral part of the end product.
    - Only in some limited cases when the fan has a separate housing, which is not part of the casing of the unit, the housing/nozzles can be extracted with the rest of the fan.
  - Option 2: Test the efficiency of the fans inside the unit
    - For HVAC equipment, this requires the extraction of the other components from the equipment as some might affect the external static pressure. With DC fans, the fans are controlled by a *printed circuit board (PCB)*. Nevertheless, in an HVAC product, the PCB also controls the other components of the unit, such as the compressor. By taking out these other components, the PCB might provide an error, and to solve this error, specifically dedicated fan testing know-how and tools are necessary.
4. Double regulation is counter-productive. Manufacturers optimize the efficiency of their products by making trade-offs between various options taking into consideration the eco-design requirements for the complete product (derived from the Least Life Cycle Cost - LLCC) and the performance required by costumers. Among the trade-offs, manufacturers can use specific components subject to eco-design regulation, but can also choose different options not subject to such regulations (e.g. improved thermodynamic cycles). Imposing specific components through double regulation narrows the manufacturer's choices to optimise complete – and complex – products. It will lead to an overall higher cost without granting any energy saving. This is undermining the very principle of LLCC analysis of complete products.
5. Double regulation would result in a misalignment of the various implementation tiers, for instance if requirements for a component come into force in 2015 and additional



requirements for the overall product in 2016. This would result in complications with regard to the redesign cycle of products. Manufacturers require time to redesign their products, with a partial redesign taking around 18 months and a full redesign approximately 30 months. A misalignment of implementation tiers for component requirements and product requirements would significantly distort these redesign cycles. The vacuum cleaner is a good example: the next stricter general ecodesign requirements will come into effect in September 2017. With this step, different fans and improved design will be necessary for many models of vacuum cleaners. If in the time up to 2017 new requirements on single fans will appear, it would disrupt the design process of manufacturers. The introduction of fan requirements will lead to double costs for development without real improvement or much earlier adoption of the overall ecodesign product requirement with particular burden on SMEs.

6. In most of the cases, when fans are incorporated into final products, such as air conditioners, these fans are produced by original equipment manufacturers (OEMs) and sold to product manufacturers, without the component being placed on the market. For fans not produced under OEM agreements, an issue related to double placing on the market could arise. They will be first placed on the market (POM) by the fan manufacturers when sold to the equipment manufacturers and a second time when POM by the manufacturers of the final product. When a manufacturer buys fans (that are compliant), they cannot always foresee when they will be integrated into the appliance and thus placed on the market once more. The double regulation will imply that manufacturers of the final products will be obliged to put on the market all fans (integrated into their equipment) before the entry into force of the fan requirements to avoid that their use is forbidden. The double POM of a product, compliant at the first POM and not compliant at the time of the second POM would create additional burden for manufacturers and surveillance authorities.

## **7. Applying Ecodesign requirements to replacement fans will be detrimental to the environment**

We call upon VHK and the European Commission to amend the current fan regulation exempting replacement fans from ecodesign requirements. The exemption shall apply to replacement fans to be integrated in products placed on the market before 2013. As a solution to the concerns with regard to the creation of loopholes, we suggest clearly marking or labelling spare parts as such. This would clearly differentiate spare parts from other fans.

This issue does not only concern the review but needs to be addressed as a matter of urgency, as according to Art. 1.3d and Art.3.2b of the current ecodesign measure on fans (EU 327/2011), from 2015 all fans shall comply with the energy efficiency requirements as laid out in the measure.

**We emphasise that replacing existing fans by functionally identical models complying with ecodesign requirements is disproportionate, technically impossible in some products, and detrimental to the environment. Besides a significant cost increase for users and manufacturers, it would lead to additional waste generation due to the reduction of the useful lifetime of equipment in case of a fan failure.**



- The RoHS Directive (2011/62/EU) sets a precedent on the exemption of spare parts: Öko-Institute performed a study for DG Environment on the spare parts provision. This study concluded that *'the impacts of enforcing these legal requirements may result in costs which significantly outweigh the benefits of its implementation. Such costs include costs for the environment, where products reach the end of their service life early, as well as costs for enterprises, where the value of products is affected in light of the limitations to circulation and reparability.'* DG Environment therefore concludes in its FAQ that *'it is permissible to put on the market spare parts - containing the hazardous substances - for the repair of old equipment (put on the market before 1 July 2006), but not to repair new equipment (put on the market after 1 July 2006).'*
- Note that the RoHS Directive is just one example for the exemption of spare parts which is particularly relevant for the heating and cooling and domestic appliance sectors. The same principle applies for example to car emissions and safety standards. Indeed, it is normal practice in EU law that spare parts for existing products are not impacted.

## **8. Adding product categories may increase complexity without clear benefits**

We question the usefulness of splitting up the Regulation in a greater number of market segments compared to the current approach. Therefore, we would like to ask VHK to carefully analyse the efficiencies of fans which are currently on the market. If this analysis reveals large differences between different fan categories, a finer categorisation could be justified. In such case, further measurement categories would need to be identified accordingly.

## **9. Information requirements for incorporated fans do not add value for consumers**

We question the usefulness of individual information requirements for fans which are integrated into products that must already comply with information requirements. Such additional information requirements present an administrative burden for manufacturers of final products without adding value for consumers and users. In addition, the publication of information requirements on public websites would result in revealing commercially sensitive data.

## **10. Impellers for cooling electric motors should remain excluded**

We agree that the exclusion should be maintained. Indeed, the main target function of an impeller is not comparable to a "standard" fan and thus the minimum requirements cannot apply. These fans are needed to assure the functioning and safety of the electrical motor. The 3kW boundary is not related to the function of the appliance and thus no boundary should be used.

## **11. Fans for tumble dryers should remain excluded**

The main target function of this fan is not comparable to a "standard" fan and thus the minimum requirements cannot apply. The 3kW boundary is not related to the function of the appliance and

thus no boundary should be used. If a boundary is used it should only target the power input of the fan, not that of the end product.

Fans for tumble dryers are special purpose fans as they are designed to be efficient for the intended use. The fans have to withstand fluff accumulation in a wet environment. This was documented in the preparatory study for the ecodesign measure on tumble dryers. Moreover, the inlet and outlet of the fan housing is optimised to avoid turbulences in an appliance cabinet with restricted space (60x60x85 cm). Turbulences will cause lint accumulation and noise. Lint accumulation has to be avoided in order to ensure the overall efficiency and safety of the appliance. All of these factors require a special design of the fan that that might lower the efficiency of fan. Fans in tumble dryer have to fulfil the following requirements:

- Flow rate is more important than pressure. The designed fan has to provide enough pressure to overcome the pressure variations caused by the air channels, filters, heat exchanger, etc. but does not need to provide additional air pressure.
- The fan has to work as efficiently as possible under working points with big hydraulic variation (such as loading, temperatures, pressure drops, etc.).
- The fan has to provide airflow in both directions. One main direction and a counter direction with a reduced airflow to enable a reversing of the drum.
- The airflow (process air and cooling air) has to be maintained and optimized within a limited space.
- The temperature of the moving gas exceeds 100°C.
- The same motor shaft is used to drive the fan and the drum.

## **12. Fans for kitchen hoods should remain excluded**

The exclusion should be maintained. This is especially valid considering that a specific regulation covering hoods (66/2014) was recently published. As stated in the “Ecodesign Preparatory Study, Final Report –Study on residential ventilation, Feb . 2009” hood fans are special purpose fans and have functions and properties that are beyond the functions of a “standard” fan. The fans used in hoods have to merge the requirement to provide high pressure (up to 600Pa because pressure lost due to installation are unknown), high air flow (up to 900-1000 m<sup>3</sup>/h) and low noise with very restrictive dimensional constraints due to the space available in the product and the kitchen furniture.

The measurement of the hoods Fluid Dynamic Efficiency is carried out with filters in place, whereas the single fan measurement is not. Thus a direct comparison bears the risk of misinterpretation.

Also, range hoods’ fans are only used in average 1 h per day and thus bear a low potential for energy savings. Finally, the requirement to use high efficiency fans restricts the availability of range hoods in the medium price segment of the market. Only expensive range hoods with the EEI classes A+, A++ and A+++ will be available. Looking from environmental perspective this has to be avoided. If only expensive range hoods are available on the market numerous consumers will not be able to buy and use these appliances. Opening the window for ventilation purposes will lead to high energy losses.

### **13. Fan parts and ATEX fans need to be excluded**

We agree that all configurations that occur before placing the fan on the market are considered to be fan parts. Therefore, they should not fall under the scope of this Regulation. The final assembly will already be covered by requirements – there is no need to regulate individual parts, including impellers.

Regarding fans covered by the ATEX Directive, we agree that they should be treated separately as they are not competing with standard fans.

### **14. Market Surveillance needs to be improved to ensure a level playing field**

Market surveillance is essential in ensuring that products on the EU market are compliant with existing legislation. Not only is this key to avoiding market distortions, market surveillance also aims at protecting consumers from fraudulent products. Lastly, only by complying with legislation, policy goals such as climate and energy efficiency objectives can be met in reality.

For components such as fans, we support maintaining the current conformity assessment module of self-declaration, as it is the most suitable module for these products. However, self-declaration can only work if market surveillance is properly implemented in order to ensure that products are complying with existing legislation.

We are committed to improving market surveillance implementation.

We therefore call on all stakeholders to cooperate and jointly develop solutions for better market surveillance in Europe by:

- Strengthening the role for the EU in this area;
- Intensifying cooperation of market surveillance authorities; and
- Increasing cooperation with the industry.

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### **About CECED:**

CECED represents the household appliance manufacturing industry in Europe. Its member companies are mainly based in Europe. Direct Members are Arçelik, Ariston Thermo Group, BSH Bosch und Siemens Hausgeräte GmbH, Candy Group, Daikin Europe, De'Longhi, AB Electrolux, Gorenje, Indesit Company, LG Electronics Europe, Liebherr Hausgeräte, Miele & Cie. GmbH & Co., Philips, Samsung, Groupe SEB, Vestel, Vorwerk and Whirlpool Europe.

CECED's member Associations cover the following countries: Austria, the Baltic countries, Belgium, Bulgaria, Czech Republic, Denmark, France, Germany, Greece, Hungary, Italy, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

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### **About DIGITALEUROPE:**

DIGITALEUROPE represents the digital technology industry in Europe. Our members include some of the world's largest IT, telecoms and consumer electronics companies and national associations from every part of Europe. DIGITALEUROPE wants European businesses and citizens to benefit fully from digital technologies and for Europe to grow, attract and sustain the world's best digital technology companies.

DIGITALEUROPE ensures industry participation in the development and implementation of EU policies. DIGITALEUROPE's members include 58 corporate members and 36 national trade associations from across Europe. Our website provides further information on our recent news and activities: [www.digitaleurope.org](http://www.digitaleurope.org)

### **About EPEE:**

The European Partnership for Energy and the Environment (EPEE) represents the refrigeration, air-conditioning and heat pump industry in Europe. Founded in the year 2000, EPEE's membership is composed of 40 member companies, national and international associations.

EPEE member companies realize a turnover of over 30 billion Euros, employ more than 200,000 people in Europe and also create indirect employment through a vast network of small and medium-sized enterprises such as contractors who install, service and maintain equipment.

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#### **About JBCE:**

Created in 1999, the Japan Business Council in Europe (JBCE) is a leading European organisation representing the interests of almost 70 multinational companies of Japanese parentage active in Europe. Our members operate across a wide range of sectors, including information and communication technology, electronics, chemicals, automotive, machinery, wholesale trade, precision instruments, pharmaceutical, railway, textiles and glass products. Together, our member companies represented in 2013 global sales of 1.4 trillion euros. Building a new era of cooperation between the European Union (EU) and Japan is the core of our activities. [www.jbce.org](http://www.jbce.org)

#### **About JRAIA:**

JRAIA, the Japan Refrigeration and Air Conditioning Industry Association, was originally established in February 1949 as the Japan Refrigerating Machine Manufactures Association which was thereafter reorganized in February 1969 to become an incorporated association and renamed as it is at present.

JRAIA is the trade association representing over 100 manufacturers of refrigeration and air-conditioning equipment in Japan. We, the members of JRAIA, have so far been dedicated to offering quality products to the markets of EU. JRAIA aims to promote and improve production, distribution and consumption of refrigeration and air conditioning equipment and their applied products, as well as auxiliary devices and components, automatic controls and accessories and thereby contribute to the steady development of HVAC&R industry and the improvement in people's standard of living.

For more information, please see our website [www.jraia.or.jp](http://www.jraia.or.jp)



## ANNEX 2:



November 2014

# Joint Industry Position Paper (DIGITALEUROPE, EPEE, EVIA JBCE & JRAIA)

## Exemption of Spare Parts from the Ecodesign Measure on Fans

### EXECUTIVE SUMMARY

DIGITALEUROPE, EPEE, EVIA, JBCE and JRAIA call for an exemption of spare parts from the Ecodesign fan measure.

According to Art. 1.3d and Art.3.2b of the Ecodesign measure on fans (EU 327/2011), as of 2015 all fans shall comply with the energy efficiency requirements as laid out in the measure. This includes as well the replacement of fans which are incorporated into products.

We emphasize that replacing existing fans by functionally identical models complying with the Ecodesign requirements is disproportionate, technically difficult and detrimental to the environment. Besides a significant cost increase for users and manufacturers, it would lead to additional waste generation due to the reduction of the useful lifetime of equipment in case of a fan failure.

### **1. The replacement of fans by functionally identical models compliant with Ecodesign requirements has far-reaching consequences and generates disproportionate cost.**

In most of the cases, it is impossible to simply replace the fan without impacting the other components of a product. It will imply technical modifications that can be far-reaching if the overall performance of the product is not to be negatively affected.

For example, if an AC fan is to be replaced by an EC fan, it is necessary to change the controls. This requires new and additional electronic cards and can cause significant complications in case of Building Management Systems. Inrush and leakage current require changes of the safety devices, documentation and declaration of conformity (DOC) need to be adapted accordingly and the service personnel needs to be trained to handle the new fans.

Consequences of not applying the required technical changes can be far-reaching, including safety issues, loss of performance, and CE non-conformity. Applying all required changes, on the other hand, will generate disproportionate service cost for the consumer.

## 2. Applying Ecodesign requirements to replacement fans will be detrimental to the environment

To repair appliances with a fan failure, manufacturers have three possibilities.

All of them will entail significant cost without generating benefits for the environment:

- Manufacturers may replace existing fans with compliant fans, provided this will be technically feasible. The cost will be significant and CE conformity will be a major concern.
- Manufacturers may stock existing fans. However, it will be difficult to foresee the quantity required, as failures typically do not happen in the first years of lifetime. Besides the cost implications, any spare parts which will not be used will be waste.
- Given the significant additional cost for repairing, consumers may opt for a new appliance rather than repairing their existing product. Again, significant cost and waste will be generated as the useful lifetime of the appliance will be considerably reduced.

## 3. The RoHS Directive sets a precedent on the exemption of spare parts

In view of the RoHS directive (2011/62/EU), Öko-Institute performed a study for DG Environment on the spare parts provision. This study concluded that *'the impacts of enforcing these legal requirements may result in costs which significantly outweigh the benefits of its implementation. Such costs include costs for the environment, where products reach the end of their service life early, as well as costs for enterprises, where the value of products is affected in light of the limitations to circulation and reparability.'*

DG Environment therefore concludes in its FAQ that *'it is permissible to put on the market spare parts - containing the hazardous substances - for the repair of old equipment (put on the market before 1 July 2006), but not to repair new equipment (put on the market after 1 July 2006).'*

Note that the RoHS Directive is just one example for the exemption of spare parts which is particularly relevant for the heating and cooling sector. The same principle applies for example to car emissions and safety standards. Indeed, it is normal practice in EU law that spare parts for existing products are not impacted.

## CONCLUSION

**Maintaining the provision on spare parts would have a retroactive impact, leading to unnecessary and costly 'retrofitting of the installed base'. It would entail disproportionate cost for users and manufacturers and would be in full contradiction with the principle of resource efficiency.**

**DIGITALEUROPE, EPEE, EVIA, JBCE and JRAIA call for an exemption of spare parts from Ecodesign requirements.**

**The exemption shall apply to replacement fans to be integrated in products placed on the market before 2013.**





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#### **About EVIA:**

The European Ventilation Industry Association (EVIA) was established in July 2010 in order to represent the ventilation and fan industry both in Brussels with the EU institutions and relevant stakeholders and in the national capitals with our partners. Our membership is composed of 36 member companies and 5 national associations across Europe realising an annual turnover of over 7 Billion Euros and employing more than 45,000 people in Europe. [www.evia.eu](http://www.evia.eu)

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For more information, please see our website [www.jraia.or.jp](http://www.jraia.or.jp)