

## ebm-papst at EuroShop 2020

### Operate refrigeration equipment efficiently and sustainably

**The EuroShop trade show is the world's largest trade show for retail and is only held every three years - February 16-20, 2020 in Düsseldorf. ebm-papst will display energy-saving fans for refrigeration and freezer applications in Hall 15, booth F55.**

The F-Gas regulation (EU) No. 517/2014 poses great challenges for manufacturers and operators of refrigerating plants. By 2030, fluorinated greenhouse gas (F-gas) emissions in the EU must be reduced to 35 million t of CO<sub>2</sub> equivalent. Thanks to the phase-down modality, the use of refrigerants with low global warming potential (GWP) will increase substantially.

#### **Naturally flammable refrigerants: attention explosion!**

A low GWP means that the refrigerant is broken down quickly when it enters the atmosphere. However, this can only be assured if it is chemically reactive. And high reactivity typically goes hand in hand with high flammability. Naturally flammable refrigerants are environmentally friendly, but in case of failure, they are also highly flammable.

#### **On the safe side with ebm-papst**

ebm-papst fans are approved for the use of naturally flammable refrigerants. For example, the energy-saving ESM fan and the NiQ motor are used for refrigeration and freezer applications. ATEX-certified fans are usually not required. These are not necessary until the maximum permitted amount of refrigerant is exceeded. For refrigeration circuits with a large fill quantity, ebm-papst can also offer fans with ATEX approval II 3G nA IIA T4.

#### **Energy-saving and networked**

Generally, refrigeration systems run around the clock, so the energy they use is a big cost factor. The use fans in refrigeration and freezer equipment saves operators a lot of money, e.g. with the energy-saving fan (ESM) from ebm-papst. With the serial interface for MODBUS-RTU communication, many monitoring, controlling and control functions can be taken care of remotely and during operation and in real time. For use on the rear wall of refrigerated display cases, there is a diagonal model that installs especially flat.

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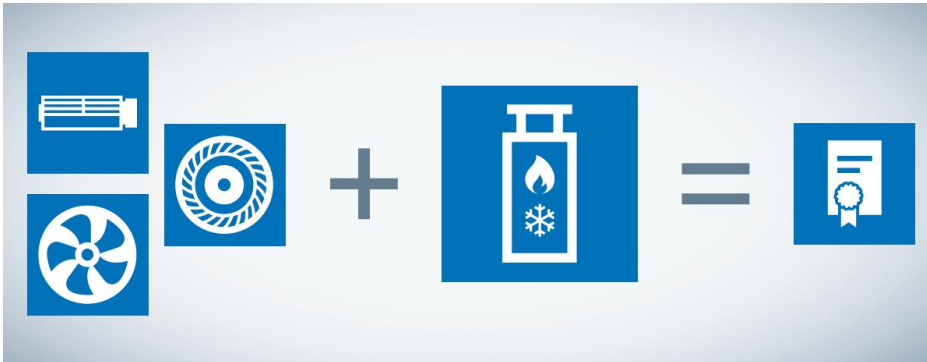


Fig. 1: On the safe side with ebm-papst fans, for ebm-papst fans are approved for the use of naturally flammable refrigerants.

Fig. 1 ebm-papst  
Characters Approx. 2,100, including headings and sub-headings  
Tags refrigeration equipment, freezer temperature, F-gas regulation, refrigerants, ESM, EuroShop, MODBUS  
Link <http://www.ebmpapst.com/euroshop>

#### About ebm-papst

The ebm-papst Group, a family-run company headquartered in Mulfingen, Germany, is the world's leading manufacturer of fans and motors. Since the technology company was founded in 1963, it has continuously set the global industry standard. With over 20,000 products in its range, ebm-papst provides the best energy-efficient, intelligent solution for virtually every ventilation or drive engineering task.

In fiscal year 2018/19, industry leader ebm-papst generated revenues of 2.18 billion euros. It employs over 15,000 people at 28 production sites (e.g. in Germany, China and the US) and in 48 sales offices worldwide. Fans and motors from the world market leader are used in most industries, including ventilation, air conditioning and refrigeration, household appliances, heating, automotive and drive engineering.

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