



Procuring optimally configured components from a single source

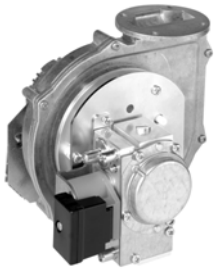
## Fittings, blowers and control systems for eco-friendly gas heating systems

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As an investment for the future, an eco-friendly gas heating system has an ideal cost/benefit relationship. However, to achieve the best results, the individual components of a modern heating system must be optimally configured to each other. Here, ebm-papst, acting as a supplier for modern heating systems, has long offered state-of-the-art blower technology for the construction of the burner. The acquisition of the multifunction gas control division of Dungs has expanded the extensive product range to include gas fittings for controlling the combustion air and the gas feed in the power range up to 80 kW. This gives the developers of gas heating systems a complete range of components. The advantages for the user are firstly the fact that a single person can be contacted with regard to all questions, and secondly the fact that the individual modules have been configured by the manufacturer to ensure that they are compatible. That saves (development) time and money.

The product range of the multifunction gas control division for the manufacturers of modern heating systems contains two main groups, the WhirlWind system and GasBloc. The former is a fully integrated gas/air composite system that combines control and safety (see Fig. 1). Despite the greater power density, it also features a large modulation range, making it suitable for sensitive power adjustment. The GasBloc system (see Fig. 2) is also designed for single- or multi-stage or modulating operation of atmospheric burners or for premixing and blower-supported burners. Depending on the design, the ignition flame, the starting gas volume and other parameters can be calibrated to the boiler. All multifunction gas control units are compliant with type-examination certificates issued pursuant to the EC equipment directive.



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Fig. 1: WhirlWind, a fully integrated gas/air composite system that combines control and safety



Fig. 2: Multifunction gas control unit in GasBloc design

### **About ebm-papst**

The ebm-papst Group is the world's leading manufacturer of fans and motors and is a pioneer and pacesetter for ultra-efficient GreenTech EC technology. In the last fiscal year 2009/2010, the company generated turnover of 986 million euro. ebm-papst employs over 10,000 people at 17 production facilities (including Germany, China, USA) and 57 sales offices worldwide. Products of the global market leader are represented in many industries, including ventilation, air-conditioning and refrigeration technology, household appliances, heating engineering, in IT/telecommunications applications, as well as those in automotive and commercial vehicles engineering.