



**G-Series** Side Channel



## G-BH1 High temperature blowers



### Suitable for temperatures up to 200° C

Modern materials and new technologies call for increasingly high gas temperatures in conveying and drying processes. To permit these innovative processing ideas to be implemented with the minimum of demands on resources, Elmo Rietschle has developed a new series of high temperature side channel blowers. Up to now conveying gases had to be cooled down before they could enter the side channel blower – and upon leaving the vacuum pump they had to be reheated to reach process temperatures. All of which translated into additional costs for machinery and operation.

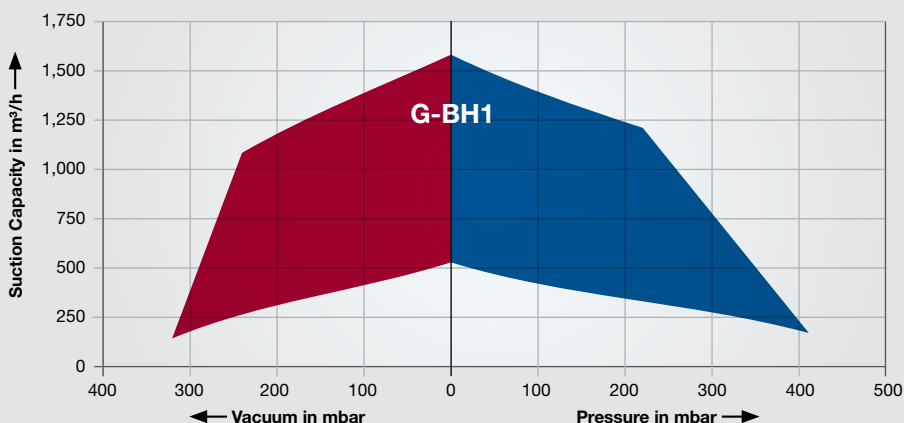
The new Elmo Rietschle high temperature side channel blowers can tolerate up to 200° C and will help you save resources. They come in four sizes. Our applications specialists will be pleased to advise you how to make the most of the advantages offered by the only side channel blower on the market that can tolerate these high temperatures.

- **Comprehensive logistics**
- **On-time delivery**
- **Quick response times**
- **Designed and manufactured in Germany**

### Advantages at a glance

- Can be used with gas temperatures up to 200°C
- Wear-free
- Low operating and energy costs
- Low noise levels, thanks to sound engineering
- Pulsation-free
- Unaffected by dust or fluff
- 50/60 Hz voltage range motors
- Frequency converter as optional extra

### Performance



Vacuum & Pressure





## Leading in excellence

### Typical applications

#### Conveying granulates

Pneumatic conveying systems feed granulates into plastics presses and extruders. The vacuum needed in this process is supplied by side channel blowers. Modern materials of the type used for PET bottles for example, necessitate increasingly high gas temperatures in the conveying media.

#### Drying of granulates

Many plastics are hygroscopic; therefore their inherent humidity must be reduced before they can be processed. In granulate dryers the saturated air is directed over a container filled with a drying agent (e.g. zeolites) using the vacuum provided by a side channel blower and, in doing so, is dried. The drying agent is ultimately also regenerated in a separate process using vacuum. In order to make this process more efficient increasingly high gas temperatures are employed.

#### Inert gas circulation in heat treatment plants/furnaces

To minimise the consumption and the costs of highly purified gases, the inert gases are first filtered and, if necessary, cooled in heat exchangers, then redirected into the process, still at high temperatures. Here again, the use of our G-series high temperature side channel blowers offers decisive advantages.



**Gardner  
Denver**

Elmo Rietschle is a brand of the  
Gardner Denver Blower Division

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