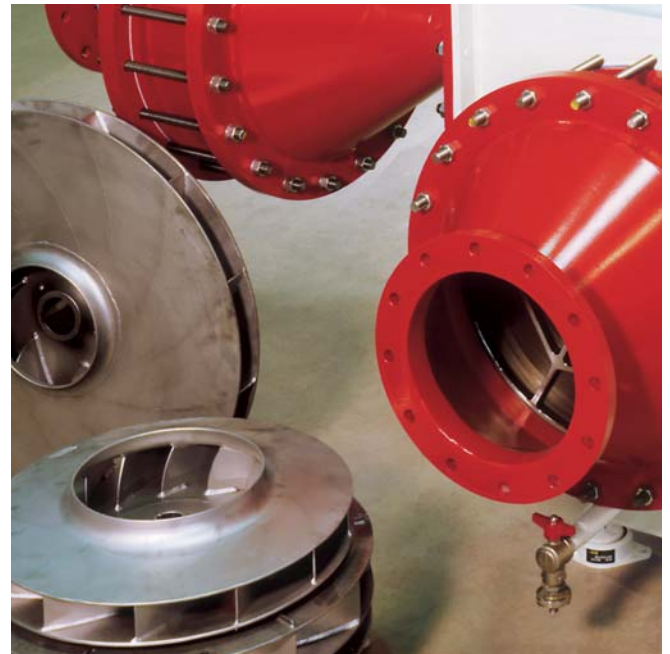
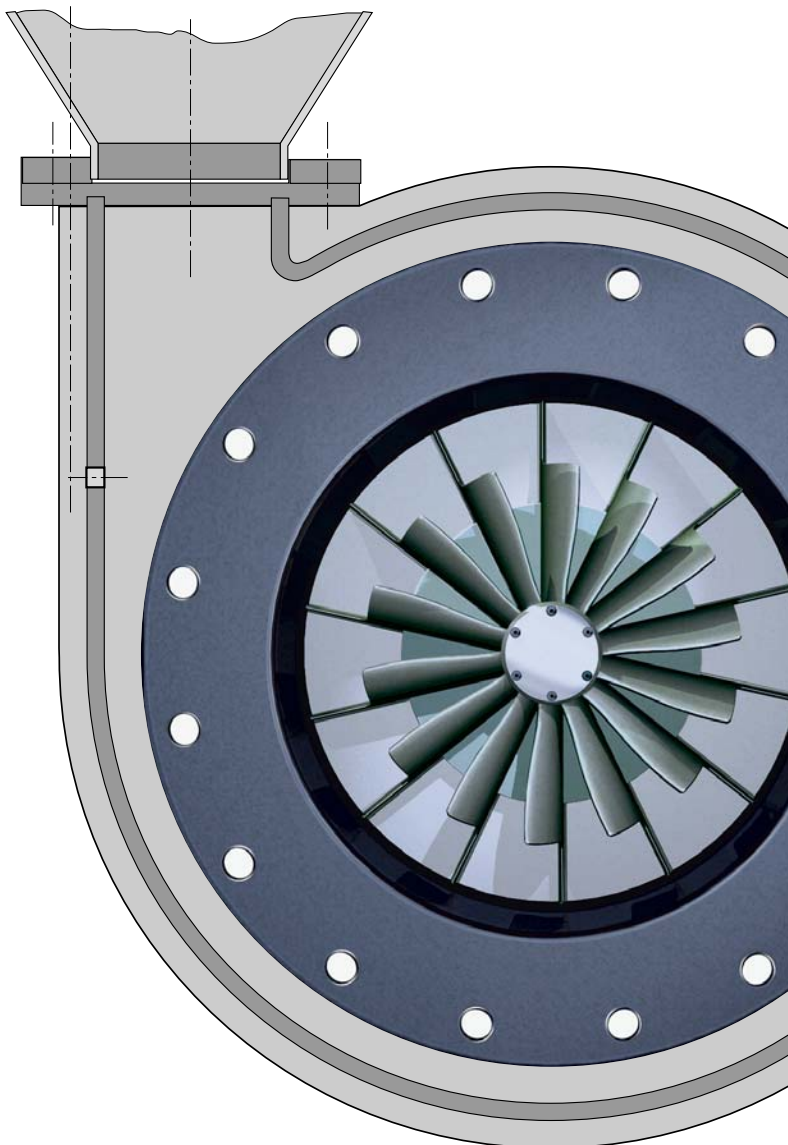

Zone-0-Rated Blowers

**Safe handling
of
Explosive Gases**



**Blowers – Reliable and Powerful.
Type-Approved in accordance
with EG-Guideline
(ATEX Directive)**

Handling of explosive gases from Zone 0 requires blowers which meet the safety requirements regarding systems for producing, storing and handling of combustible gases.

Our long-term experience in the manufacture of pressure-tight radial blowers forms the basis for the development of a new series of type-approved Zone-0-Rated Blowers. This product carries the type approval in acc. with EG-Guidelines for the explosion hazard classes IIA, IIB1, IIB2, IIB3 and IIB.

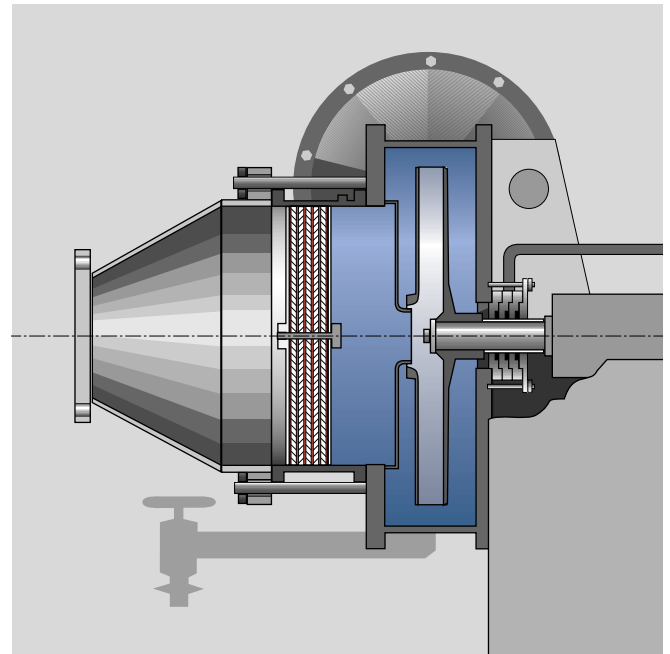


A powerful welding facility (with HP 0-approval) allows processing of both conventional and special materials. Further Zone-0-Rated Blowers are subject to individual type approval tests.

The product range comprises:

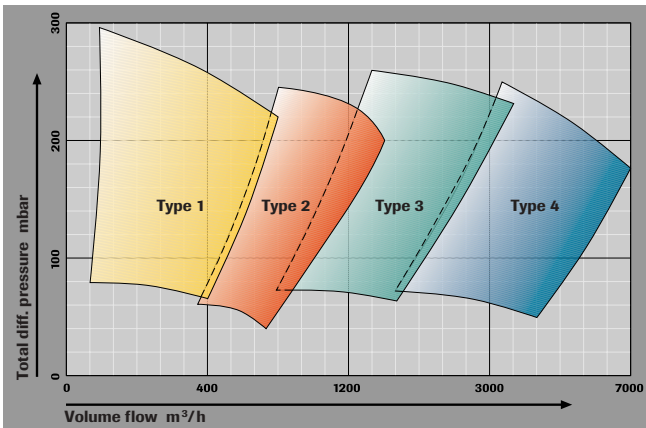
1. Designs with double pre-volume flame arresters and differential pressure monitoring.
2. Absolutely gas-tight blowers with magnetic coupling.
3. Geared compressors with complete monitoring and control systems.

Advantages offered by innovative machine design:



- Minim. vol. for the explosive gas due to small casings and flange mounted pre-vol. flame arresters**
- Broad range of available capacity due to broad rotational speed range (up to 8 000 rpm)**
- Space saving and compact belt drive design**
- Superior reliability by dynamically balanced rotors**
- Gas tight design for long term leak-tightness based on O-ring-seals or PTFE-cord for the vertically split casing**
- Turbo-labyrinth-seal with purge gas connection**
- Low maintenance compact bearing rotor unit with connections for temperature and vibration monitoring (bearing grease- or oil lubricated)**

Power range:



In order to meet individual customer's requirements, four types of Zone-0-Rated Blowers with variable speed are available from **FIMA**. At a rated power of 75 kW volume flows up to 7000 m³/h and pressure increases up to 300 mbar can be achieved.

FIMA looks back on more than 50 years of engineering tradition as well as many years of experience in the processing of special high-quality materials. Highly qualified staff combined with team experience are an important requirement for the reliability and quality of our products – from the industrial fan to the centrifuge dryer.



You are cordially invited to come to our idyllic country side home, in order to get an impression of our company, our staff and our first class products.



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