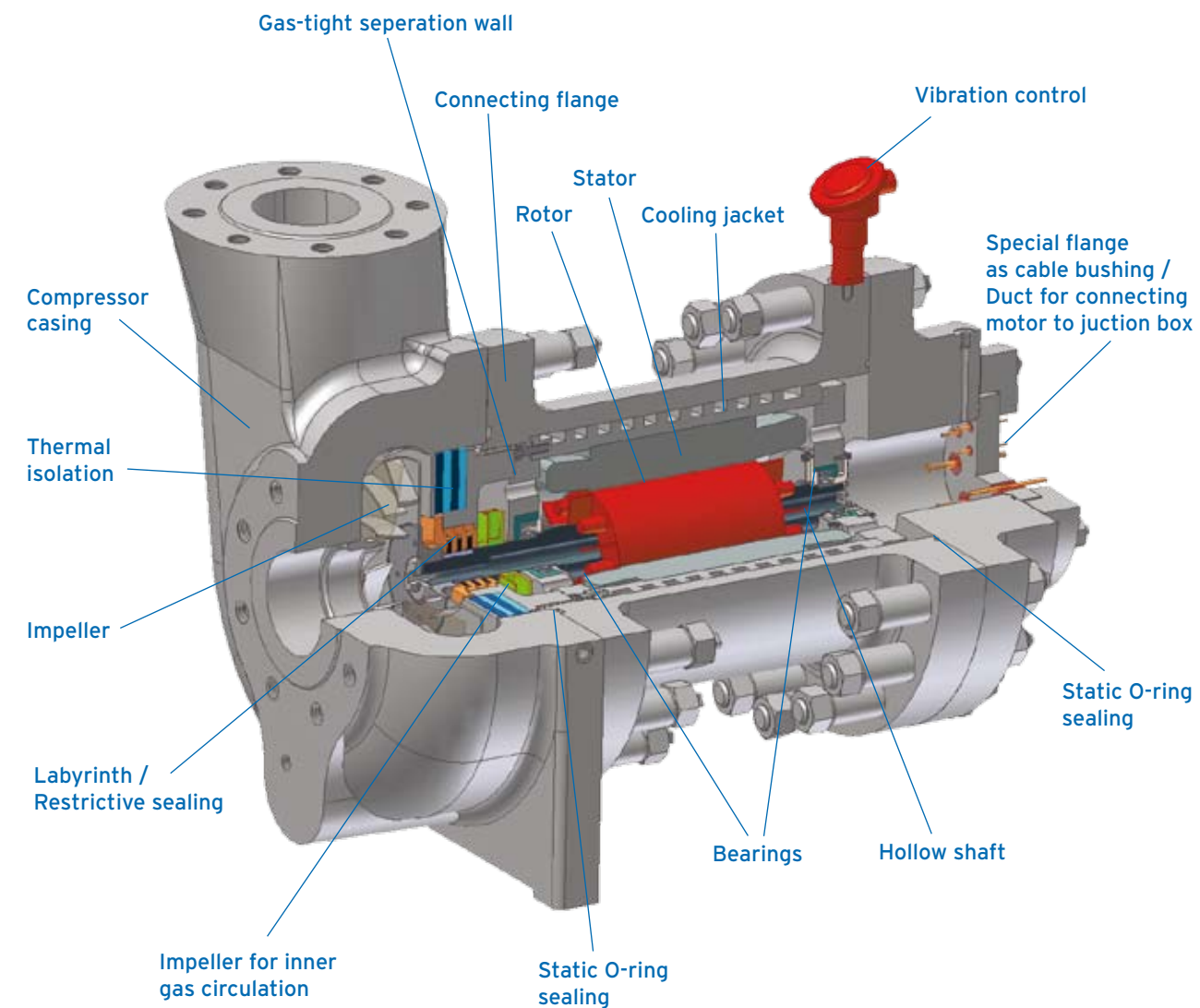




# HETICO – A new dimension.

## Technical description:

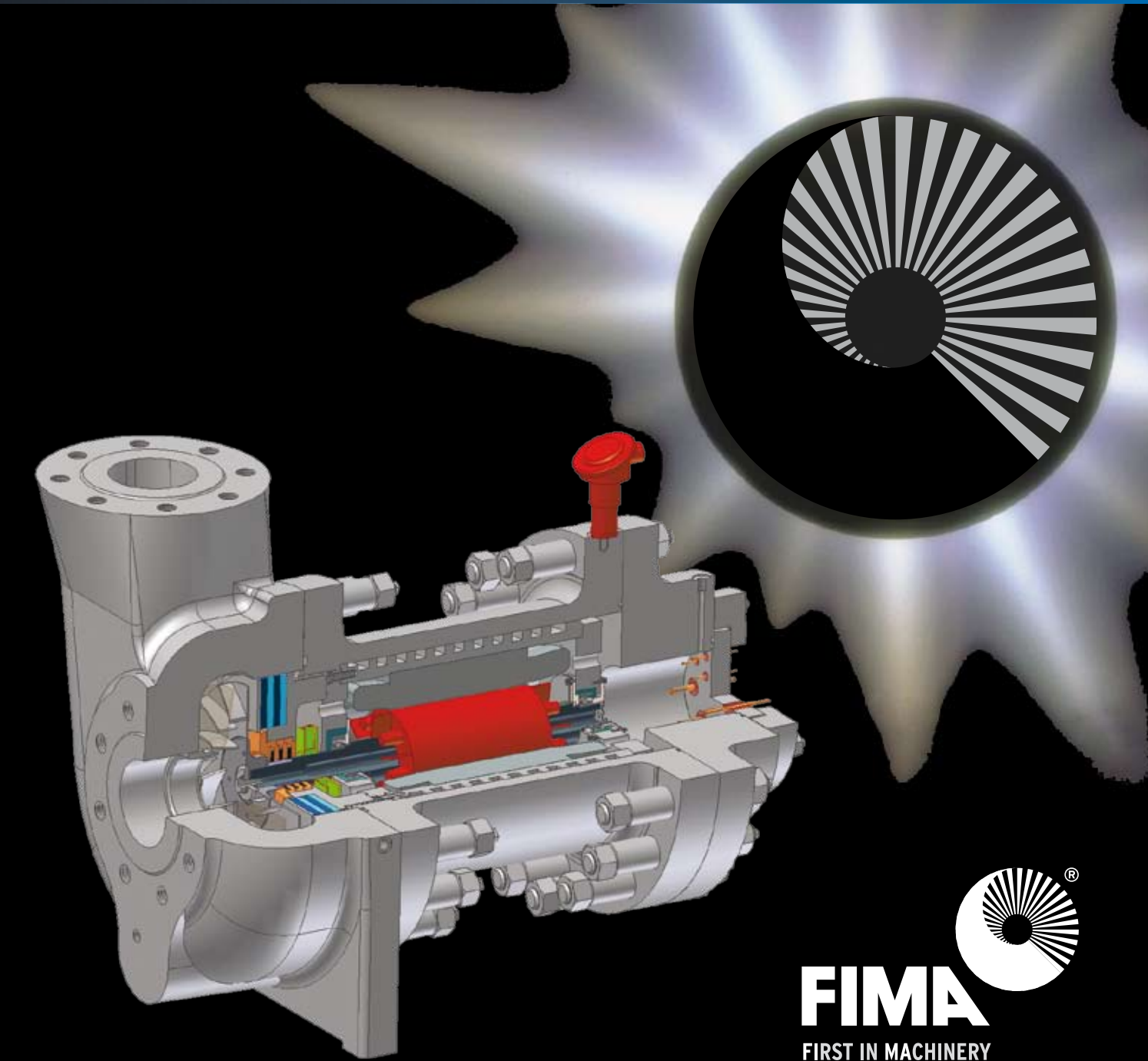


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## Technical description:

- Motor enclosure directly flanged to compressor casing
- Only static O-ring seals between internal process and environment
- Impeller directly mounted on motor shaft
- Motor/compressor cooling by water jacket
- Grease lubricated anti-friction bearings
- Gas-tight separation with thermal insulation between compressor casing and motor enclosure
- Various shaft seal designs between compressor casing and motor enclosure available, e.g. non-contacting labyrinth sealing, restrictive ring sealing or single acting dry gas seal
- Pressure tight cable bushing for power supply and temperature sensors for winding and bearing temperature control

## Advantages of HETICO-compressor compared to integrally geared compressor design:

- Lower investment costs
- Reduced operating costs
- Compact design with smaller footprint
- Less spare parts required on stock
- Fewer wear parts
- Reduced maintenance effort
- Shorter maintenance times
- Reduced noise emission
- Smaller number of control loops for machine monitoring
- Higher operational and environmental safety
- Lower axial thrust
- Simplified bearing design
- Less in weight
- Shorter delivery time

## Applications:

- **High-pressure applications**  
e.g. laminate and sinter metal production or development of solar power plants
- **Cryogenic technology**  
Thermal systems in the aerospace industry
- **High-speed applications**  
up to 30.000 rpm  
For high pressure heads with low flow rates
- **Petrochemical industry**  
e.g. CCR (Continuous Catalytic Reforming) in refineries

## Technical data:

Volume flow	[m <sup>3</sup> /h]	from 20 to 20.000
System pressure	[bar]	up to 200
Temperature	[°C]	between -200 and +700
Rotation speed	[min <sup>-1</sup> ]	up to 30.000
Drive power	[kW]	up to 150

The compressors are certified for conveying gases of Class 1, Division 1 respectively Zone 1 and for installations in hazardous areas.