

Appropos

**Reliable installation,
efficient operation.**

**WD 200
shaft seal for
industrial
ventilators.**

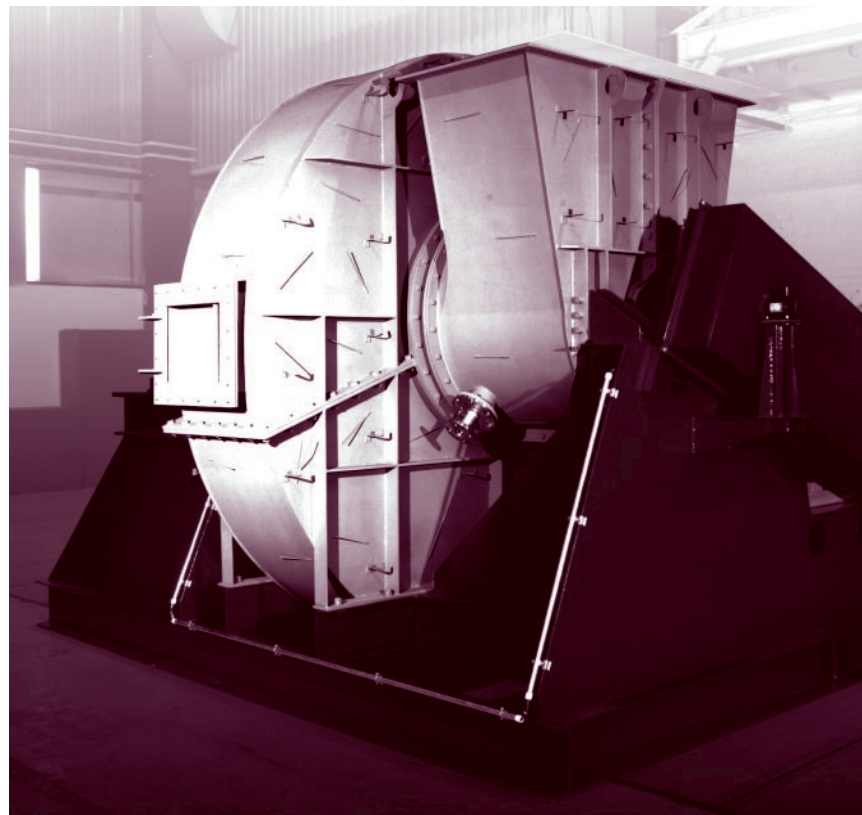
ESPEY BURGSMANN

News from
Espey Burgmann for
ACHEMA 2003

The shaft seal for high operational reliability and ease of maintenance

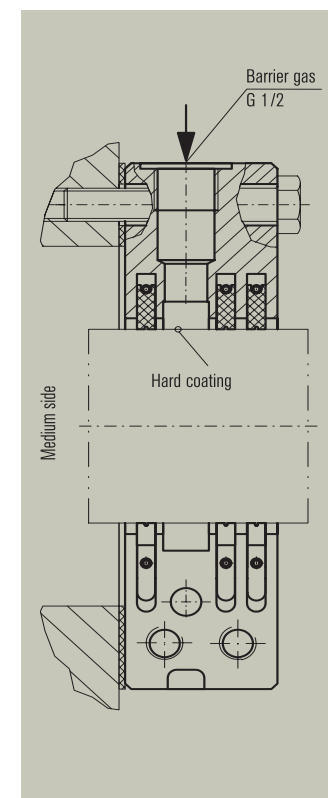
WD 200

For decades the Espey Burgmann range of shaft seals has proven its value as a technically reliable and advanced sealing system that offers impressive degrees of operational efficiency and safety. These products are ideal for applications in virtually all sectors of industry, for example power plant and waste disposal technology, the chemical and petrochemical industries, as well as the fields of food and marine technology.

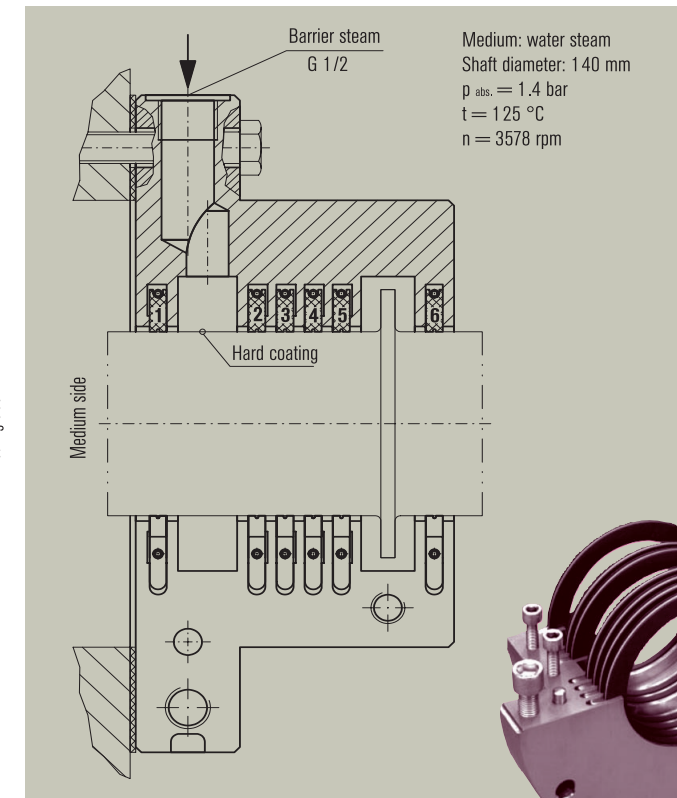


The WD 200 shaft seal and its various versions for diverse operating conditions benefit from Espey Burgmann's many years of experience in the ventilator sector. With their horizontally split housing, these seal types can be used for virtually any application in this technological area. The split housing makes for simple and speedy installation and deinstallation; this means that the seal can be fitted directly at the sealing point without necessitating any disassembly of the machine components such as bearing and drive unit. Preferred applications for the WD 200 are those in which process gas to the atmosphere is to be prevented and labyrinth units permit excessive leakage.

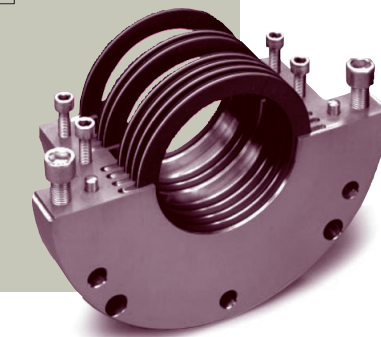
The carbon seal rings are flexibly mounted in the housing, and perform the sealing function radially to the shaft. This design principle ensures the seal function with a very small operating gap. The hardness of the carbon seal rings often makes it necessary for the shaft to be given a hard coating or to employ a hard-coated sleeve. A coating of this nature prevents premature wear. In applications involving condensate formation the shaft or shaft sleeve should additionally be fitted with a splash rim to enable directed throwing off to the outside through the housing.



Standard Application



Special Application



Advantages at a glance

- Long service life, ease of maintenance
- No setting and adjustment necessary during operation
- Dry running
- Easily installed, split design
- Easily replaced, segmented seal rings
- Compensates radial and axial shaft movement

Fields of application

- Chemical industry in diverse processing plants, e.g. dilute acid plants, gas booster ventilators, ventilators for HCl regeneration plants
- Waste incineration industry in the area of combustion air conveyance and flue gas desulphurization at high temperatures
- Power plant and steel industries in flue gas and recirculation blowers, induced draft ventilators
- Paper industry in drying processes
- Cement industry in raw meal processing
- Petrochemical industry in catalyzer and regeneration processes
- Food industry, e.g. in vapour compression processes

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