

# NB, NBG, NK, NKG, TP, TPD

ATEX-approved pumps

Safety instructions and other important information



## English (GB) Safety instructions

### Original safety instructions

These safety instructions give a quick overview of the safety precautions to be taken in connection with any work on this product.

Observe these safety instructions during handling, installation, operation, maintenance, service and repair of this product.

These safety instructions are a supplementary document, and all safety instructions will appear again in the relevant sections of the installation and operating instructions.

Keep these safety instructions at the installation site for future reference.

### Installation requirements

#### WARNING

##### Accumulation of explosive gases from shaft seal leakage



Death or serious personal injury

- Provide adequate ventilation around the pump if the pump is installed in a pit. A minimum air exchange of 1.5 times per hour is required.

#### CAUTION

##### Overheating



Minor or moderate personal injury

- The pump must not run against a closed outlet valve or a closed shut-off element as this may cause overheating. Install a bypass with a pressure relief valve.

### Electrical connection

#### DANGER



##### Electric shock

Death or serious personal injury

- The pump housing must be earthed.

#### DANGER



##### Ignition of explosive environment

Death or serious personal injury

- The pump housing must be earthed.

### Starting up the product

#### WARNING



##### Dry running

Death or serious personal injury

- Make sure that the pump is filled with pumped liquid during operation.

#### CAUTION



##### Flammable material

Minor or moderate personal injury

- The responsibility for checking the functions of the dry-running protection, such as flow rate, sealing pressure and temperature of the barrier or flushing liquid rests with the installer or owner.

### Disposing of the product



The crossed-out wheeled bin symbol on a product means that it must be disposed of separately from household waste. When a product marked with this symbol reaches its end of life, take it to a collection point designated by the local waste disposal authorities. The separate collection and recycling of such products will help protect the environment and human health.

See also end-of-life information at [www.grundfos.com/product-recycling](http://www.grundfos.com/product-recycling).



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