

NBG(E)/NKG(E) single-stage pumps fitted with SuperVortex impellers provide excellent reliability and durability for industrial applications

Grundfos single-stage NBG(E)/NKG(E) pumps fitted with SuperVortex impellers are specially designed for the trouble-free handling of liquid containing particles and fibres. The SuperVortex impeller provides industrial free passage for long fibres and solids up to 25 mm and is suitable for wastewater with a dry matter content of up to 5%.

These pumps provide reliable and trouble-free operation under the most demanding circumstances in industrial applications.

- Free passage of fibres and solids up to 25 mm
- Broad performance range with a maximum flow up to 250 m³/hour and maximum head up to 90 m
- Wide range of motor options including with variable speed control
- Supplied in a standard version or as customised solutions
- Easy connection assured using flexible loose flanges

Ideal for demanding industrial applications

These dry-installed pumps are designed to minimise the risk of blocking when handling Swarf in cooling lubricant liquids, wastewater and process water, and they cover most applications containing dirty liquids.

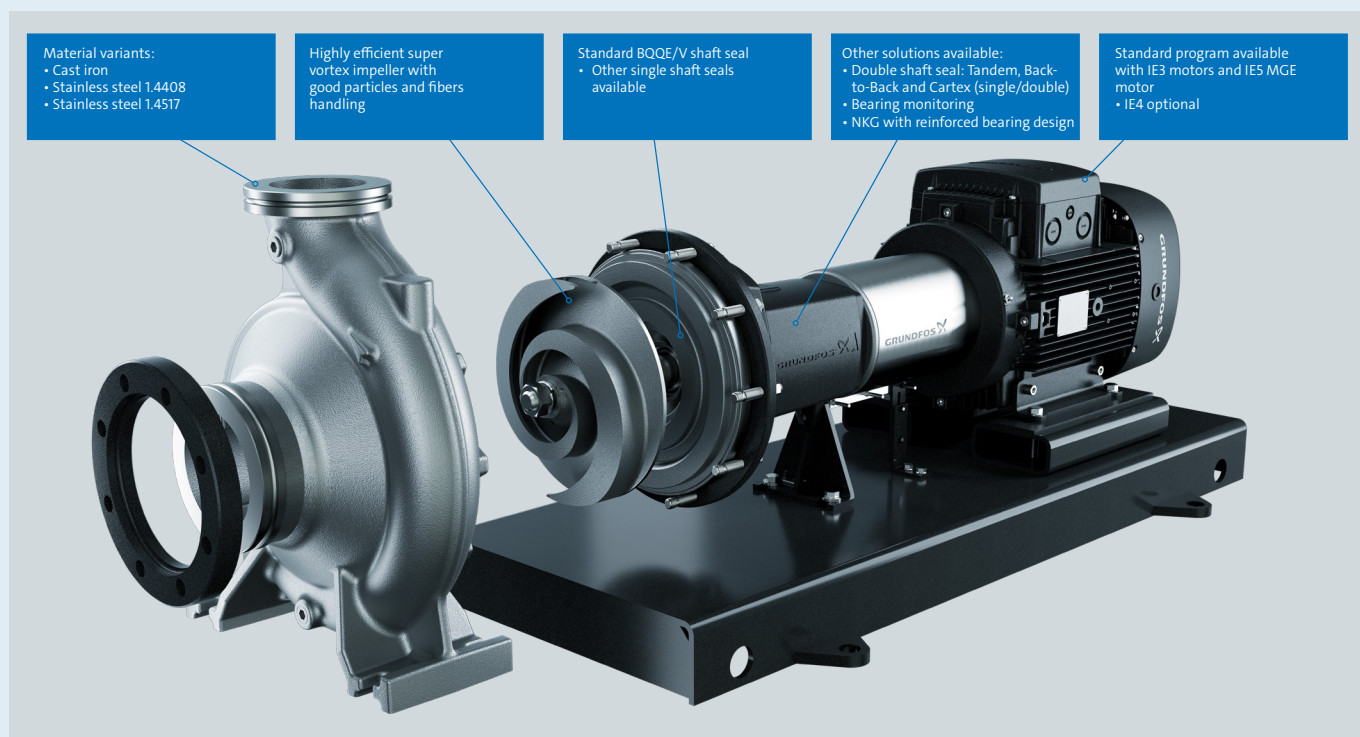
- Wash and clean
- Machining
- Paint & pre-treatment in automotive
- Oil and fat processing in F&B
- Wastewater feed, transfer and treatment
- Water reuse

These single-stage pumps can be used in any other area where the requirement is to transport fluids with fibres and solid particles, such as in paper mills, sugar refineries and textile plants.

GRUNDFOS 

Possibility in every drop

Standardised and customised pumps meet industrial fluid pumping requirements



Material variants:

- Cast iron
- Stainless steel 1.4408
- Stainless steel 1.4517

Highly efficient super vortex impeller with good particles and fibers handling

Standard BQQE/V shaft seal

- Other single shaft seals available

Other solutions available:

- Double shaft seal: Tandem, Back-to-Back and Cartex (single/double)
- Bearing monitoring
- NKG with reinforced bearing design

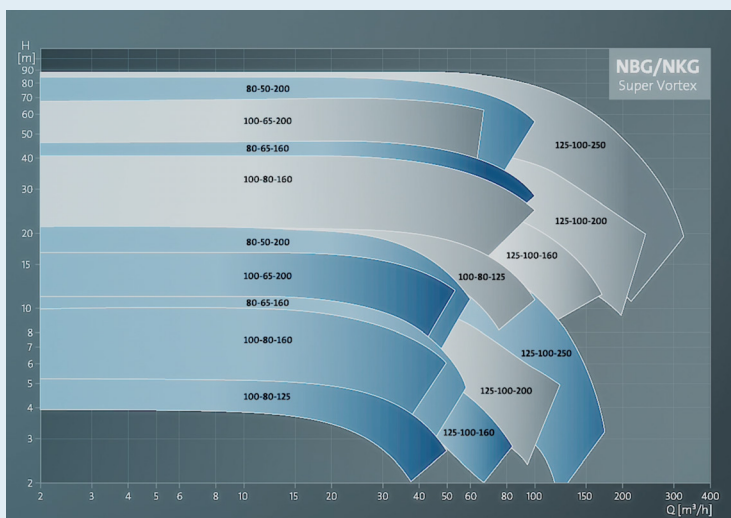
Standard program available with IE3 motors and IE5 MGE motor

- IE4 optional

NBG(E)/NKG(E) pumps with SuperVortex impellers are available in materials matching different applications. Furthermore, different shaft seals are available to meet requirements in any application. There is a wide range of shaft seals to choose from: Tandem, Back-to-Back and Cartex (single/double).

Broad performance range

The NBG(E)/NKG(E) pump is made in a single stage design with a performance range covering 75 different models with flow up to 250m³/h and pressure up to 90 m. The pumps are available with a standard IE3 motor 50/60Hz and 2- or 4-pole execution, or can be fitted with a Grundfos MGE motor with integrated frequency converter up to 26 kW. All pumps can as well be connected to a Grundfos CUE or other external frequency converter.



Grundfos Product Center

The Grundfos Product Center online tool lets you size pumps, browse the Grundfos product catalogue, find appropriate replacement pumps and find pumps for handling specific liquids.

Visit www.product-selection.grundfos.com