

# GRUNDFOS NBGE END SUCTION PUMPS

Expect more, straight out of the box



## APPLICATIONS

### INDUSTRY

- Pressure Boosting
- Water Transfer
- Process Supply



### COMMERCIAL BUILDINGS

- Pressure Boosting
- Water Transfer
- HVAC / Mechanical Services



### AGRICULTURAL

- Pressure Boosting
- Stock Watering
- Agricultural Irrigation



With the Grundfos NBGE, you no longer need to buy a mix of different, complicated components to achieve a multi-purpose variable speed end suction pumping solution. The NBGE comes ready to go as a plug-and-pump pressure system, with the option to achieve intelligent connectivity with additional sensors and inputs.

Equipped with built-in variable frequency drive and supplied as standard with a pressure sensor, the NBGE is capable of adjusting performance according to the demand.

These intelligent features mean the Grundfos NBGE is suitable for a variety of different applications, particularly when they require reliable and cost-efficient solutions.

# GRUNDFOS NBGE

## Overview

### FEATURES

#### NO ORDINARY DRIVE – BUILT IN DNA

The built-in variable frequency drive (VFD) and pressure sensor supplied as standard with the motor have been specifically engineered to work with Grundfos end suction pumps. It is no ordinary 'add on' motor and drive – it has Grundfos DNA built into it, to make it a smarter, more efficient pumping solutions.

#### MULTIPLE PUMP CONNECTIVITY

Using the GeniAir functionality, up to 4 units can be wirelessly connected together, meaning seamless operation of your system has never been simpler.

#### INTELLIGENT CONNECTIVITY

The Grundfos NBGE allows you to achieve a new level of performance in your pumping system. It allows you to create a system with increased monitoring, control and integration to achieve greater energy efficiency, reduced system complexity, lower life-cycle costs and more.

#### EASY TO INSTALL & USE

The Grundfos NBGE pump is quick and easy to install and use. The built-in VFD and pressure sensor supplied as standard means the NBGE is ready to use at a constant pressure system straight out of the box.

Models up to 11 kW are equipped with the new Grundfos interface, giving the user full access to the setup of the pump through a colour screen, including a built-in setup wizard.

Models above 11 kW and up to 22 kW utilise the original simplified user interface, which includes a simple graduated pressure setting. Further settings can be made using the GRUNDFOS GO for these larger models.

Simple to follow quick guides are available upon request for commissioning and set-up.

#### COST EFFICIENT

The initial purchase price of an NBGE pump includes a motor with VFD and pressure sensor, making it very price comparable to competitor product where the pump, drive and other components must be purchased separately.

#### ENERGY EFFICIENT

The built-in VFD allows the pumps motor speed to adjust according to demand, meaning more efficient use of energy – and a reduction in energy costs - therefore saving money over the lifecycle of the pump in comparison to less efficient pumps.



### MULTIPLE INPUTS

#### 3 ANALOGUE INPUTS

For pressure, temperature or flow sensors

#### 2 DIGITAL INPUTS

For float switch or external on/off control

