

# Kolmeks



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MOVING WATER ENGINEERS

**Trade Brochure**





Kolmeks have been engineering pumps for over 75 years and striving to develop a portfolio of state-of-the-art pumping equipment. Kolmeks equipment is regularly used in commercial industries including building services, marine and mobility operators. Now and in the future, the human infrastructure depends on pumps that improve the quality of lives through sustainable means.



The story of Kolmeks is closely linked with the industrialization of Finland, expanding since its creation in 1945. The Kolmeks portfolio of products is carefully constructed to respond to the specific needs of its customers. They design, develop and manufacture their own pumps in factories across the world. Currently, Kolmeks factories are located in Finland, Estonia, China and India – ensuring global customers the security and sustainability of the shortest possible supply chains.

Selecting the right Kolmeks pump for your application is made easy using Kolmeks' online selection software. Simply visit <https://pumpselector.kolmeks.fi> to start today.

The Kolmeks brand is available in the UK through Pumps UK Ltd. Pumps UK is based in the South East of England in Rochester, Kent and have been distributing pumps to the pump trade for over 20 years. With an experienced team of engineers and sales advisors we can help you to select the right pump for your next application. There is also the option for us to select and fit a premium quality Nastec inverter so the pump is ready to install as soon as you receive it.

Contact us today to discuss terms on 01322 292415 or email [kolmeks@pumpsukltd.co.uk](mailto:kolmeks@pumpsukltd.co.uk)

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# MDA Inverter Driven Pumps



Kolmeks MDA series pumps are variable frequency inverter-driven centrifugal pumps used in heating, air-conditioning, cooling, LTO systems, heat exchangers and pressure-boosting applications.

This versatility allows you to select the pump by size and format (single/twin) and then the settings can be adjusted to suit your application.

This can all be pre-programmed by the Pumps UK team so the pump is ready to install on-site.

- Single or Twin Head Models
- DN32 - DN80 Flanged Connections
- Variable Speed Inverter Control
- 5 Performance Levels from Each Pump!
- Highly Efficient Motors
- Transducer Mounts (Pre-fitting Option)
- PN10 Rated
- EN-GJL-200 Cast Iron Body
- 1~ 230V or 3~ 400V Power Supply Options



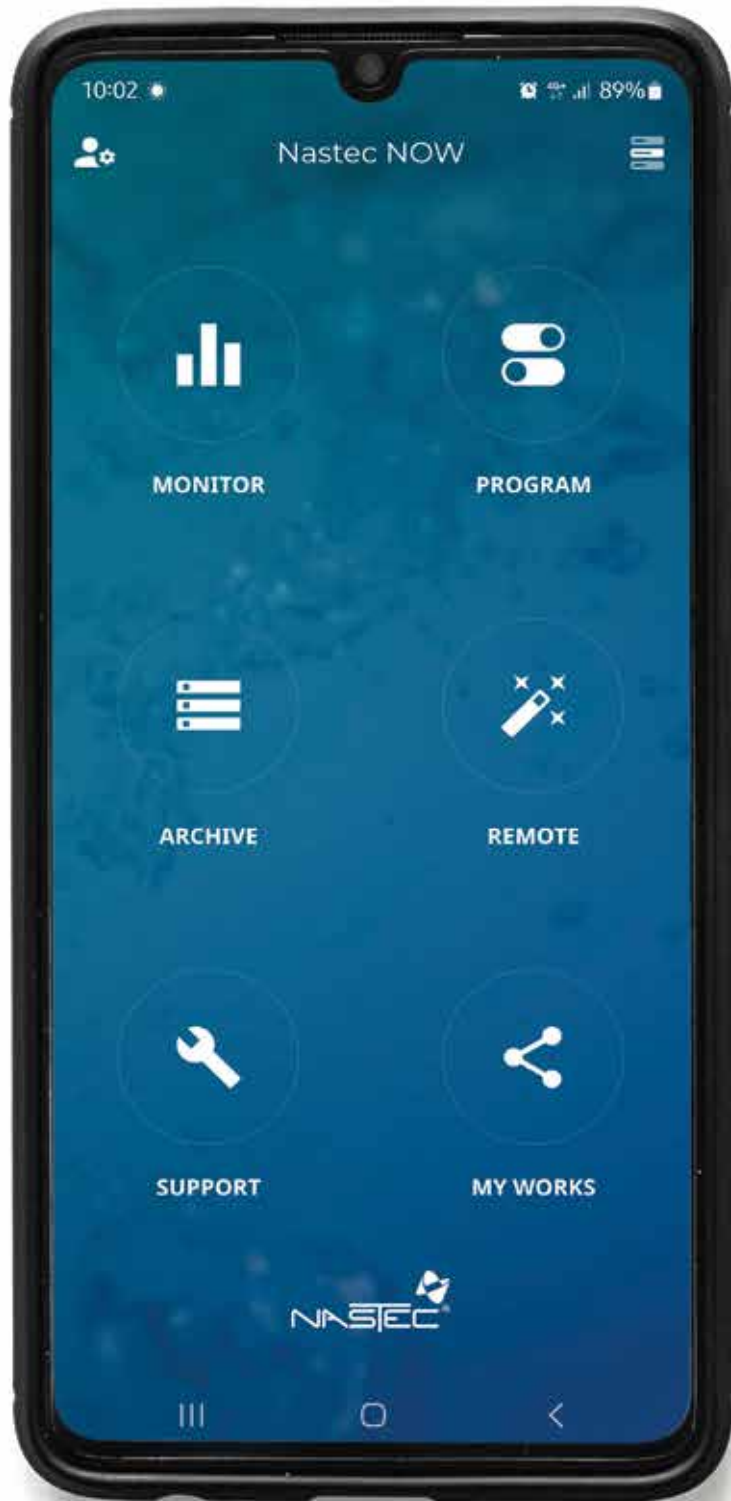
Watch the video here ->>



## Differential Pressure Sensor Control

Pumps UK can supply and install pressure transducers to enable differential pressure control as shown in the Kolmeks video. Pumps UK Engineers can also pre-commission the pump and configure the inverter to use these sensor's data based on your requirements so the pump arrives at your site ready to install.

- Highly Efficient Operation
- Pre-configured Settings
- 0-10 Bar Transducers
- Sealed and Leak Tested
- BMS Output via Inverter



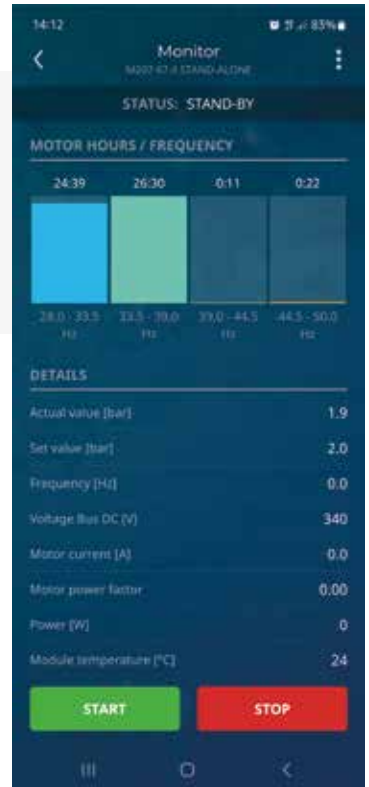


# NASTEC APP Control

Nastec Now software allows advanced control with a bluetooth connection on a mobile device using the free iOS/Android app. Security is assured with password protected access and because the connection isn't on your company WiFi any local networks stay secure.

## Monitor Menu

Using a direct bluetooth connection the Nastec NOW app allows you to monitor your pump in real time so that you can see if the pump is performing as you are expecting.

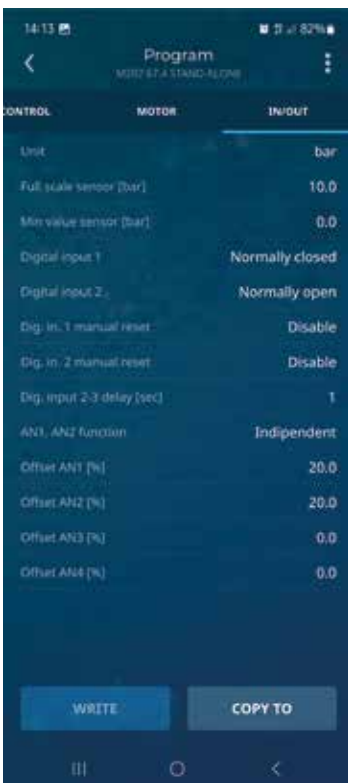


## Program Menu

Changing the inverter control parameters is a breeze allowing you to optimise for efficiency and suit your requirements.

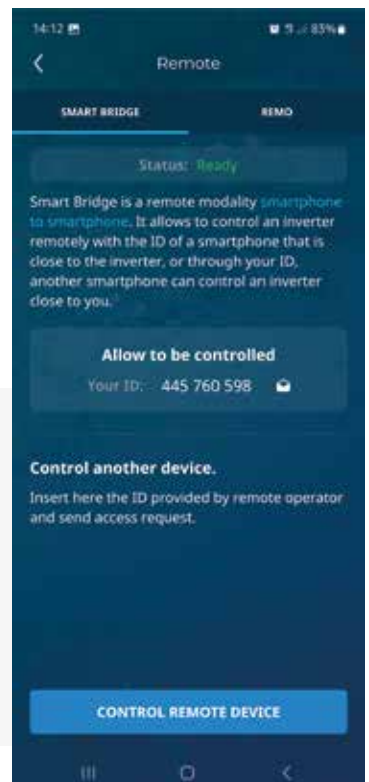
Settings such as motor frequency, max current, addresses, external inputs and warning alarm settings can be fine tuned to ensure the pump operation window exactly suits your application.

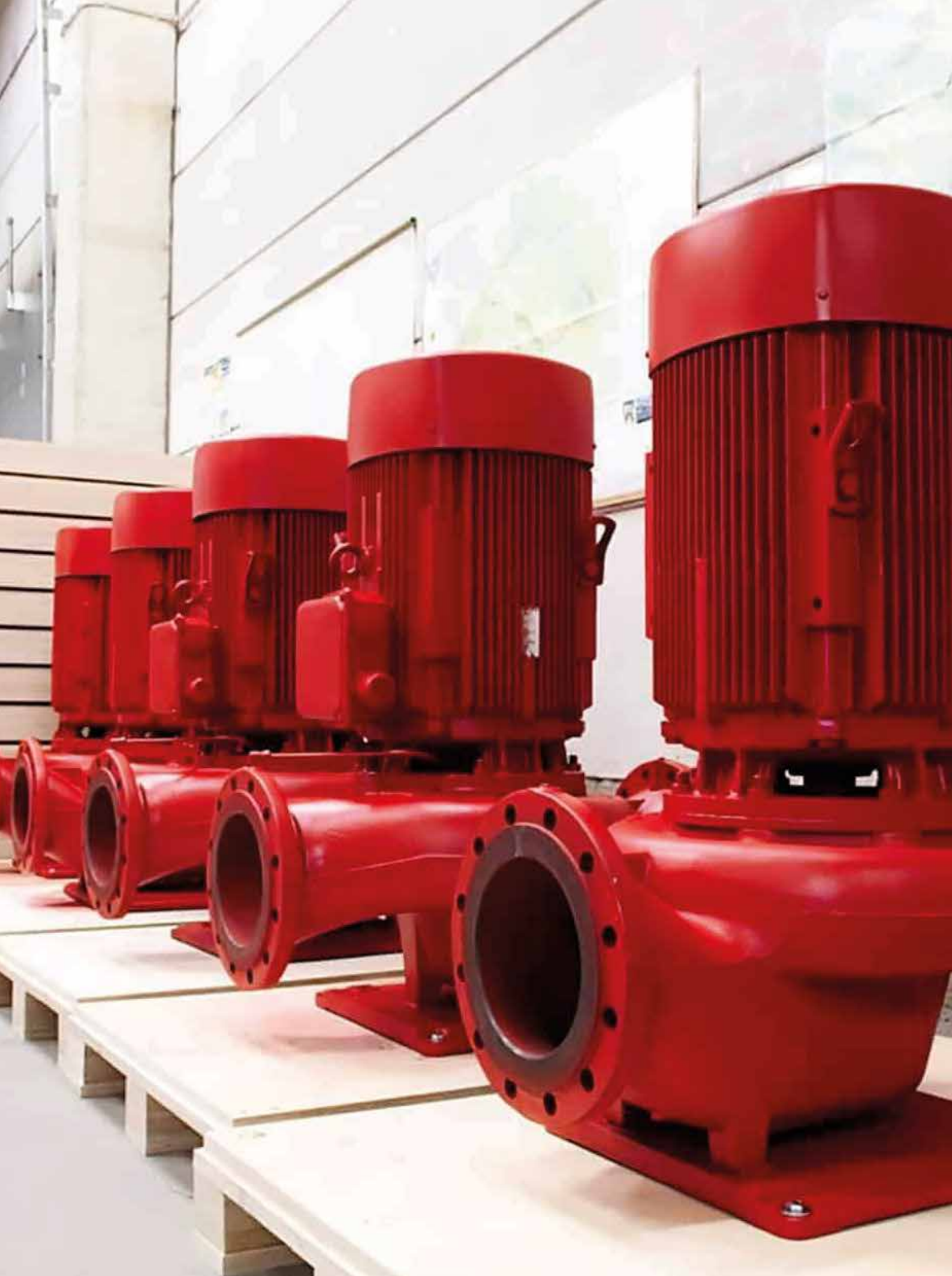
There is even a built-in help guide to ensure you understand how to get the best from the software.



## Remote Connection Menu

The remote connection tool allows control settings to be adjusted remotely. Using this application, remote users can connect through an on-site smartphone allowing access to diagnostics and tools so remote users can identify problems, change parameters and solve them without even being on site.







# Fixed Speed Pumps

Kolmeks produce a large range of fixed-speed pumps for a variety of applications. Many applications don't require precise control and a fixed-speed pump can be a cheaper alternative to modern variable-speed options.

- Single or Twin Head
- Large range of Models
- Highly Efficient
- Long Lifespan
- Multiple Impeller/Motor Sizes
- Cast Iron, Bronze or Acid-Resistant Steel

Kolmeks Fixed Speed pumps are available in a variety of formats including 3 different materials (Cast Iron, Stainless Steel and Bronze), 2 motor types (Standard/IEC) and single/twin head variants.

With all these options selecting the right pump can be a daunting task for those not familiar with the Kolmeks ranges but in the list below we have separated all the major choices and on page 16 we have information on Kolmek's brilliant online pump selection software. Armed with this data selecting the right pump range is straightforward and the Pumps UK team are always available to help on 01322 292415 or email [sales@pumpsukltd.co.uk](mailto:sales@pumpsukltd.co.uk)



## In-Line Centrifugal Pumps

Kolmeks grey cast iron centrifugal pumps are suitable for heating systems, air conditioning systems, closed cooling circuits and industrial systems, among others. Used on the primary side of district heating systems, common applications include Hospitals, health centres and nursing homes, marine industry and flue gas scrubbers, process industry, schools, shops, shopping centres and commercial properties.

- AE, AKN, AL, L Models
- Made from grey cast iron
- Flow rates of 0 – 270 l/s
- Max pump head up to 100m
- -25 ... +180°C temp range
- 0.05 – 160 kW power range
- PN10/16 nominal pressures



## In-Line Centrifugal Pumps with IEC Motor

Kolmeks mono block centrifugal pumps equipped with IEC-standard motor have a very energy-efficient and reliable design. The electric motors are standard IEC motors. The material options for our fixed speed pumps are cast iron, bronze and stainless steel. These pumps are most commonly used in service water, industry, spa, swimming pools, open systems and the locations above applicable with the non-IEC motor models.

- AL- SD, ALH- SD, ALP- SD, ALS- SD, L- SD, LH- SD, LP- SD, LS- SD Models
- Grey/Nodular iron or Bronze
- Max pump head up to 100m
- -25 ... +180°C temp range
- 0.05 – 160 kW power range
- PN10/16 nominal pressures





## In-Line Centrifugal Pumps Stainless Steel

Stainless steel fixed-speed pumps are suitable for closed and open systems, refrigeration circuits and industrial systems, as well as water distribution. Stainless steel centrifugal pumps can be used as circulation, pressure boosting and transfer pumps for acid and alkaline liquids. Stainless steel in-line centrifugal pumps equipped with flange connections. Acid-resistant dry motor pump with a highly energy-efficient and reliable structure.

- AKNH, ALH, ALM, ALS, ALX, LH, LS, LX Models
- Made from AISI 316 Stainless
- Max pump head up to 100m
- -25 ... +180°C temp range
- 0.05 – 160 kW power range
- PN16 nominal pressures



## Bronze Hot Domestic Water Pumps

Bronze Pumps for hot water supply (HWS) secondary and industrial applications. Standard material is bronze CuSn10Zn2. These bronze hot domestic water pumps are highly energy-efficient and reliable structures. The bearings of the electric motors are permanently lubricated and maintenance-free. Commonly used in Hospitals, health centres and nursing homes, process industry, residential construction, schools, shops and commercial properties.

- AEP, ALP, AP, LP Models
- Bronze CuSn10Zn2
- Flow rates of 0 – 270 l/s
- Max pump head up to 100m
- -15 ... +120°C temp range
- 0.05 – 160 kW power range
- PN10 nominal pressures



## Twin Head Pumps

Twin head pumps are available for applications requiring reliability and pumping regulation. Made of the same basic components and hydraulic design as the single In-line pumps but with two heads sharing a common casing. An integral non-return valve prevents internal circulation in case only one pump is running.

The changeover of the pumping side can be easily automated because no other valves are needed for that procedure. The two motor units (motor and impeller) of a twin pump can be of different sizes (different duty points) if required.

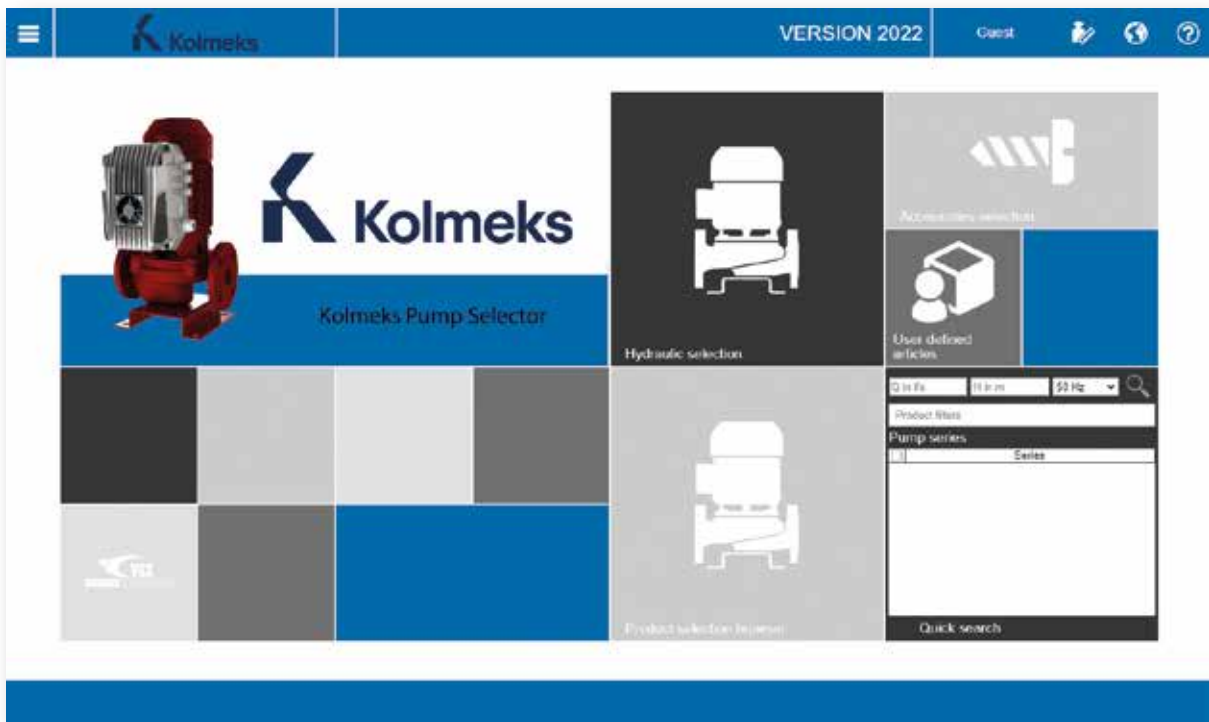
Commonly used in hospitals, nursing homes, residential construction, schools, shops and commercial properties.

- AT, T Models
- Made from grey cast iron
- 2 x 0,05 – 2 x 15 kW Motors
- Flow rates of 0 – 120 l/s
- Max pump head up to 45m
- -15 ... +180°C temp range
- PN10 nominal pressures



# Pump Selection Software

To aid in pump selection, Kolmeks have developed the Kolmeks Pump Selector tool. The hydraulic selection feature allows selection of a desired head pressure and flow rate, along with various other parameters, to find the perfect pump for the application. It is easy to use and contains all the information needed for professional pump selection.



If you already know the series of pump you are looking for then the Product Selection Browser is the best place to start. Simply select the right series and all the pumps within that range will be listed allowing you to scroll through and find a model with the performance you require.

## Pumps UK are here to help, use us!

The team at Pumps UK Ltd are on hand to help you every step of the way with your Kolmeks pump selection whether you are an experienced consultant or a contractor who wants an equivalent to an existing pump you have we are happy to help.

Call on 01322 292415 or  
email [kolmeks@pumpsukltd.co.uk](mailto:kolmeks@pumpsukltd.co.uk)





# Spare Parts & Accessories

Kolmeks pumps are built to last and a big part of this is servicability and the supply of components for regular maintenance. Working with the team at Pumps UK, spare part availability for the most common components is a breeze. Spares can be purchased online at [pumpsukltd.com](http://pumpsukltd.com) or by calling the office for a quote.

## Replacement Seal Kit Sets

Kolmeks pumps utilise high quality mechanical seals and offer special options on request. Should a seal fail, Kolmeks offer mechanical seal kits to overhaul the pump and here at Pumps UK we carry stock of most commonly specified kits for fast delivery or collection at our facility in Rochester, Kent.



## Blanking Plates for Twin Pumps

The innate reliability of twin-headed pumps is commendable, but during maintenance blanking plates are extremely useful. After the head is removed, a cast blanking-plate can be bolted in place and the pump re-started, allowing minimal downtime and maintenance at a more convenient time.

## Non-Return Valves for Twin Pumps

Where twin-headed pumps run on a single pump head, these small devices prevent water flowing back through the idle head. If the pump is set to frequently swap primary head duty, the valve will receive a great deal of use, making this an important part to maintain.





Supplied in the UK by Pumps UK Ltd.



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