



fluidity.
nonstop

IT'S ABOUT KEEPING YOUR PROCESSES RUNNING



**Water Circulation
Pumps**

 **AXFLOW**

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AxFlow

Part of Axel Johnson AB with sales of over 7 billion Euro and 20,000 employees worldwide, the AxFlow Group is one of Europe's largest suppliers of process pumps with offices and service locations in 26 European countries employing nearly 500 people in total.

In the UK AxFlow has over 50 years history operating from 5 locations across the country from which it supplies a large range of process pumps and offers a comprehensive pump servicing package.



Gruppo Aturia

Gruppo Aturia claims to be the oldest pump manufacturer in Italy tracing its routes back to 1889. The company has four manufacturing facilities in Italy and France. Aturia is a global pump supplier to the utilities, process, defence and oil/gas markets.



Aturia pump ranges:

- Din.
- ISO.
- Double suction.
- Turbine.
- Magnetically driven.
- Bore hole.
- Boiler feed.
- Canned.
- Firefighting.
- API 610

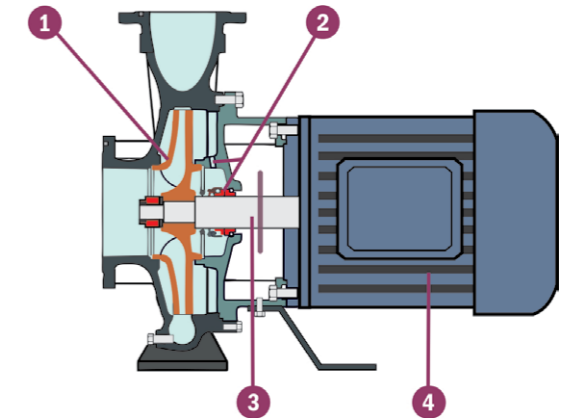
AquaRange

The AquaRange of mono block pumps is made up of :

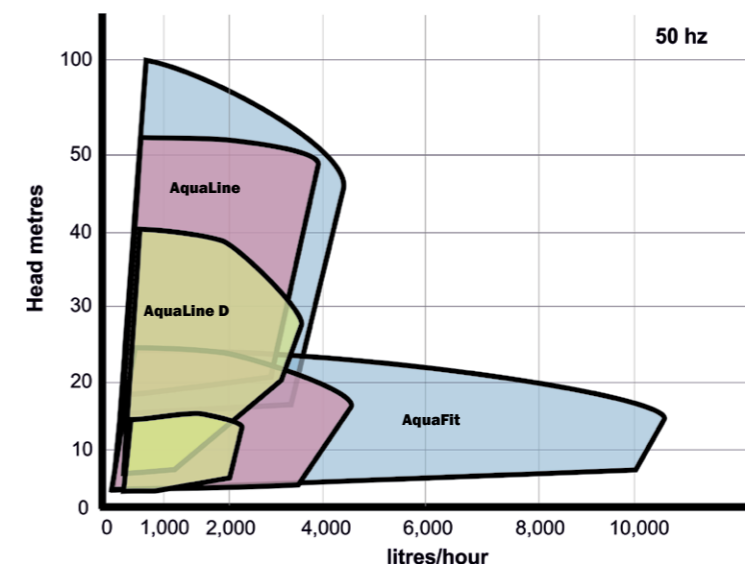
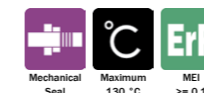
AquaFit close coupled horizontal single stage end-suction pumps with performances and key dimensions in accordance with DIN 24255.

AquaLine in-line vertical close coupled pumps available as either a single or double construction.

All pumps are fitted with IEC 3 motors and meet the required minimum efficiency index (MEI) of 0.4 of the **ErP** Directive,



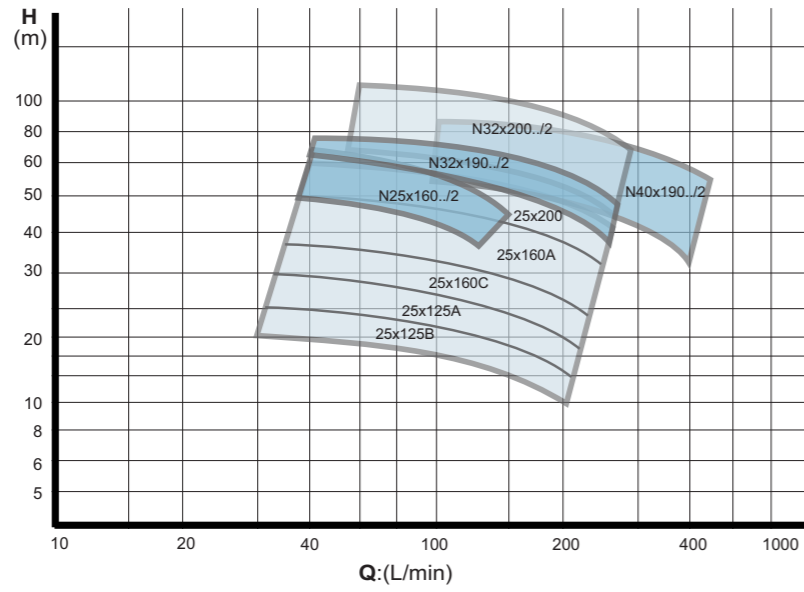
- 1 Dynamically balanced impellers with high efficiencies designed to ISO 9906 Class II and available in cast iron, bronze and stainless steel.
- 2 High quality mechanical seals with SiC faces situated in vented stuffing boxes to reduce the likelihood of flashing at the seal face.
- 3 Single-piece stainless steel shaft with no coupling to reduce vibration and the number of rotating components.
- 4 IEC 3 motors 230/400v, 400/690v for use with either 50hz or 60hz.





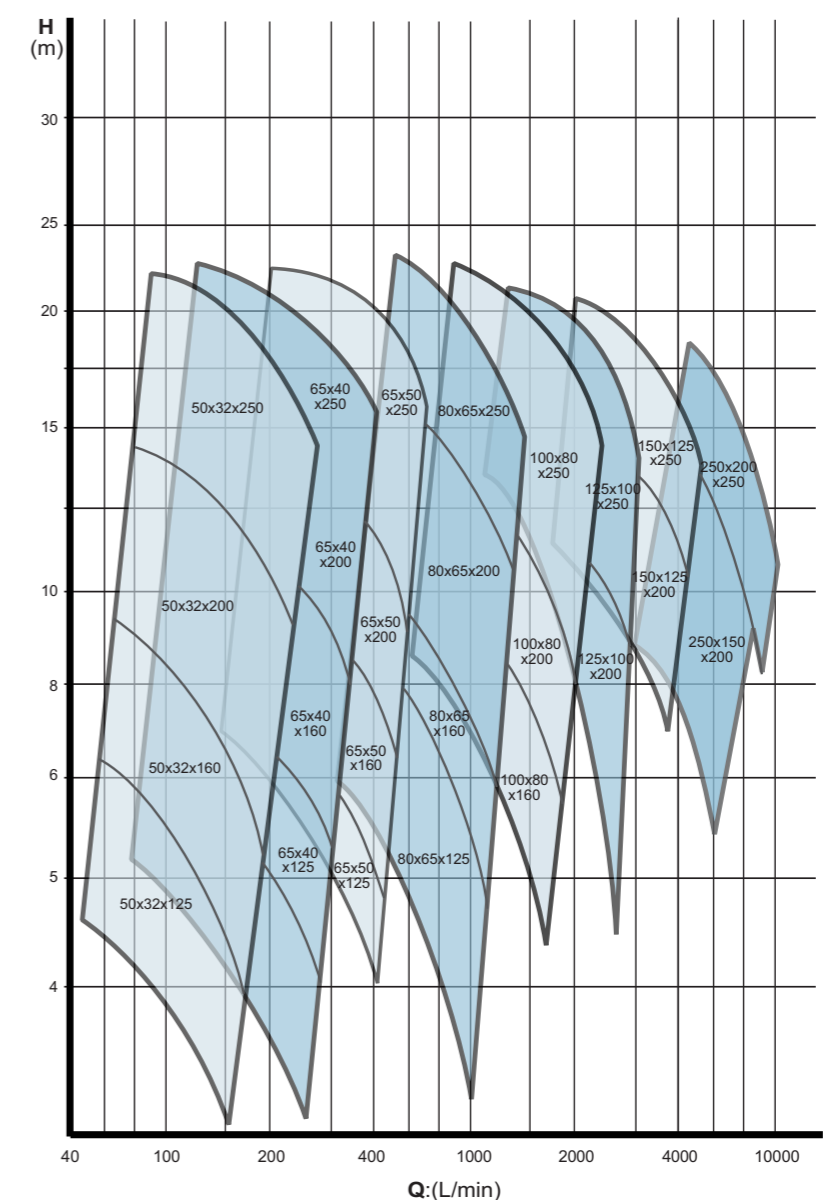
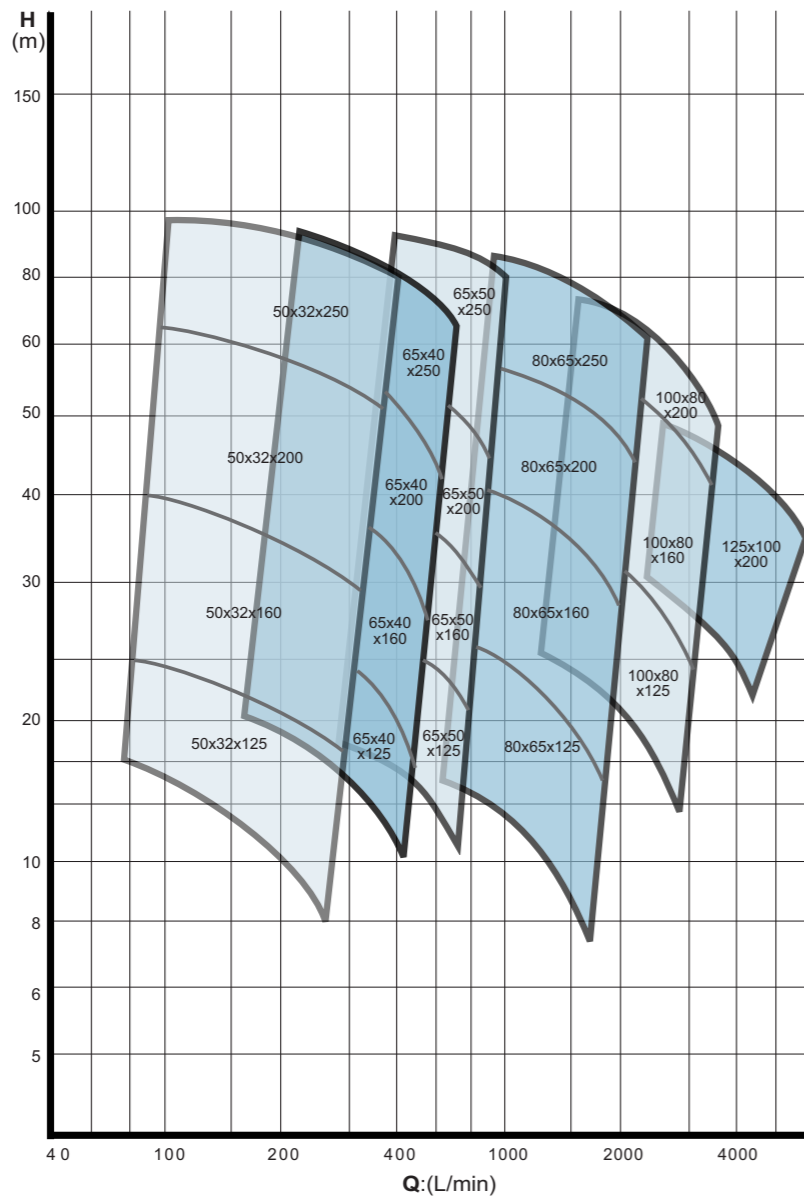
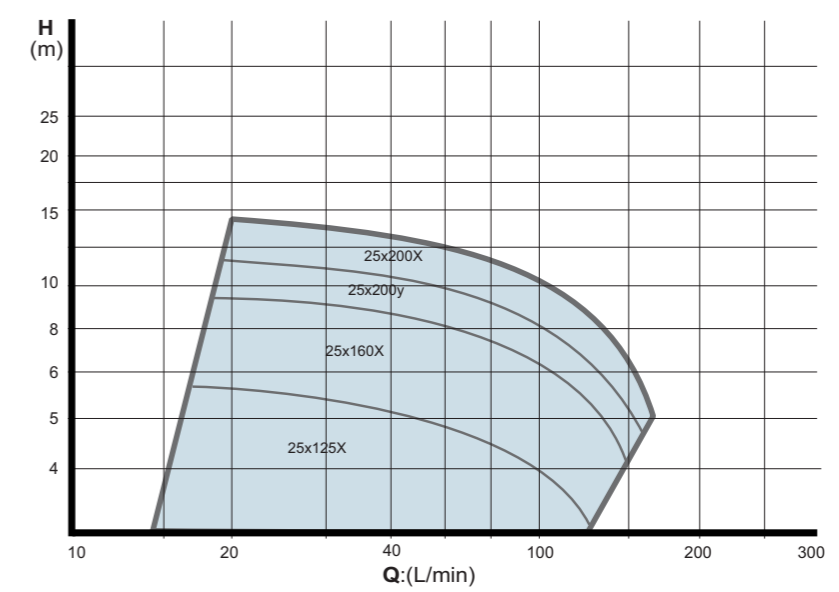
AquaFit Performance Curves

2900 rpm, water at 20 °C



AquaFit Performance Curves

1450 rpm, water at 20 °C



These figures are indicative. Please consult AxFlow Ltd for exact performances.

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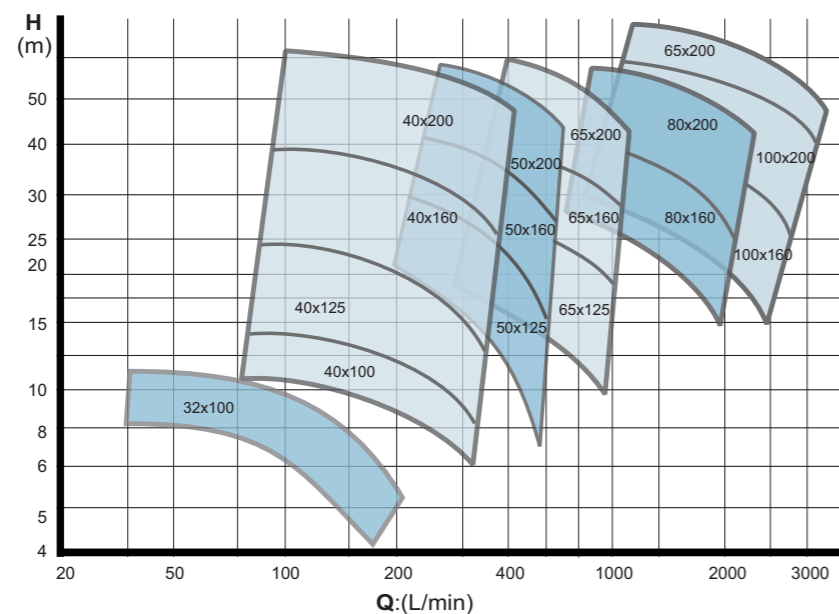


Centrifugal

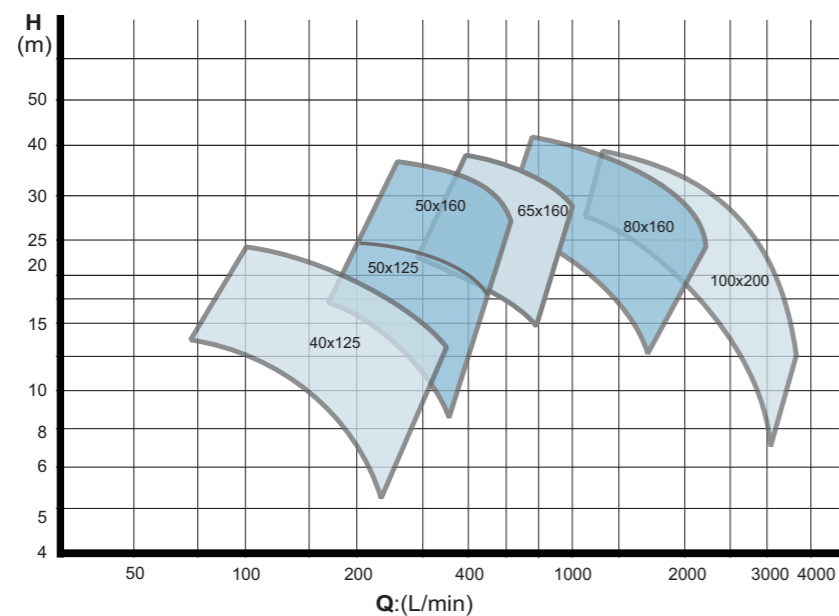
AquaLine Performance Curves

2900 rpm, water at 20 °C

Single Construction



Twin Construction



These figures are indicative. Please consult AxFlow Ltd for exact performances.

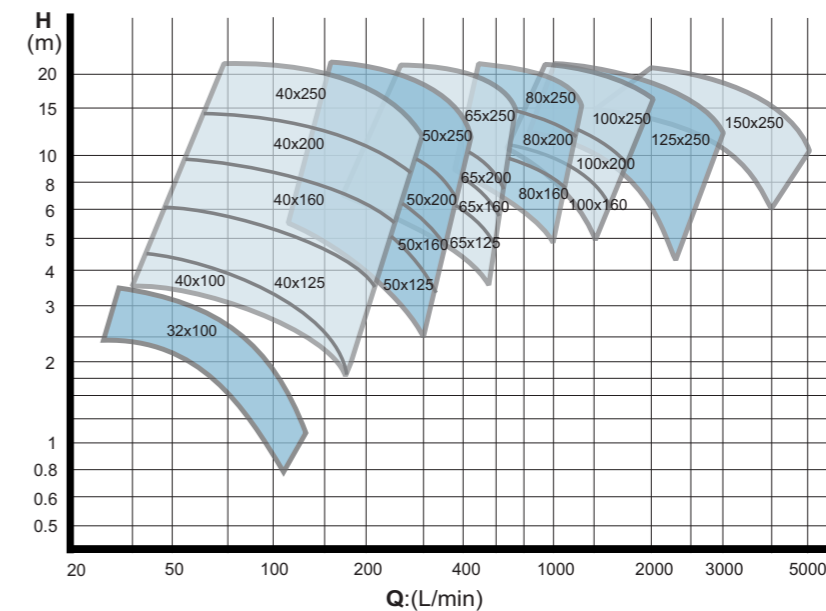


Centrifugal

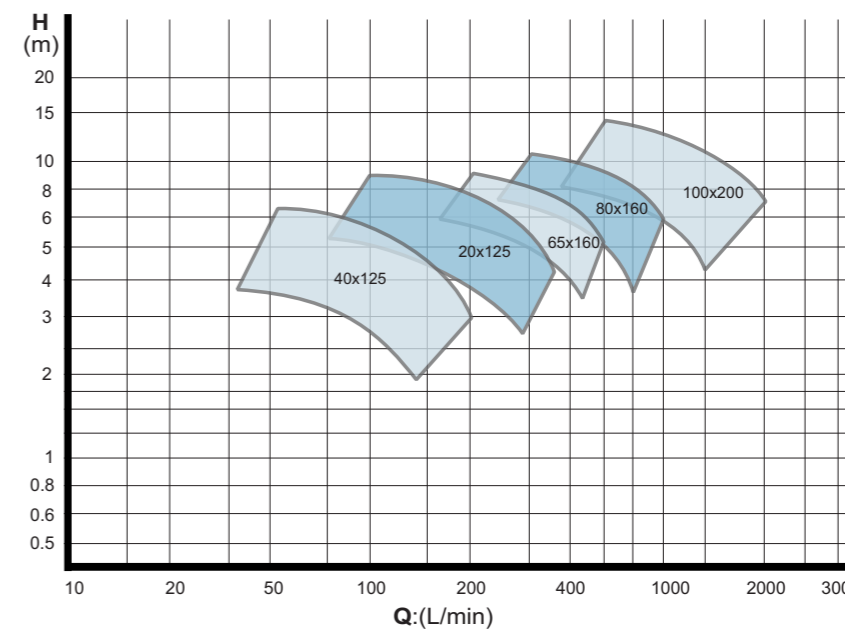
AquaLine Performance Curves

1450 rpm, water at 20 °C

Single Construction



Twin Construction



These figures are indicative. Please consult AxFlow Ltd for exact performances.

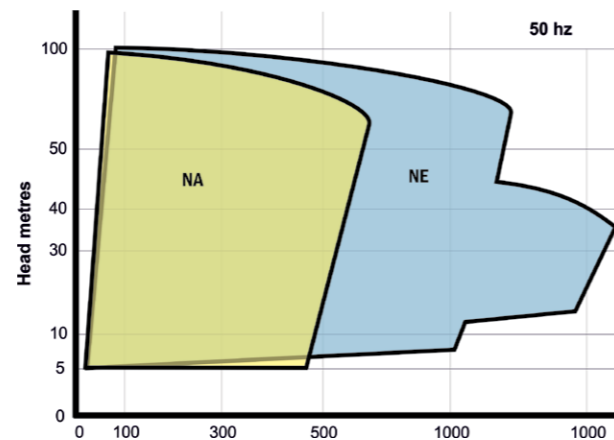
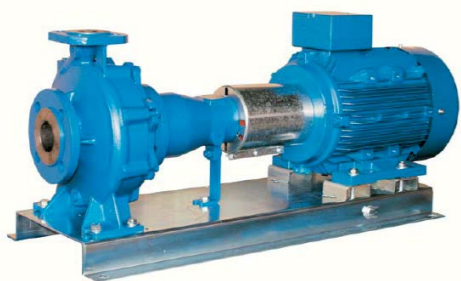


Centrifugal

NA - NE Ranges

DIN24255-EN733-UNI 7467 long pumps. The NA range being the standard construction which is complimented by the more robust and ATEX certified NE range. Many of the NA range models are stocked.

- Cast Iron
- Bronze
- St Steel



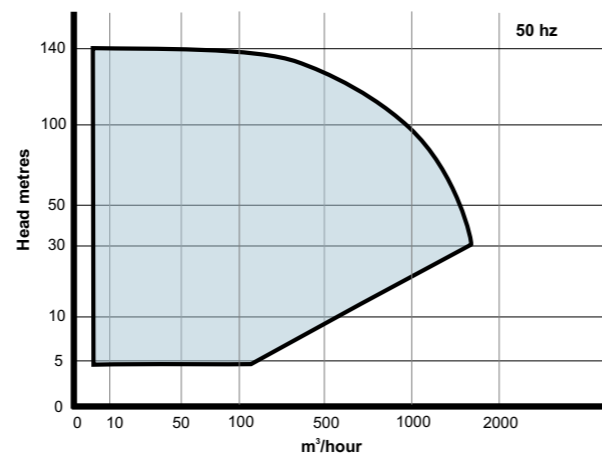
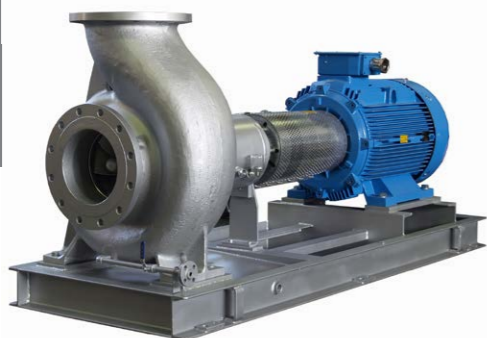
- Oversized shaft with oil lubricated ball bearings.
- Dynamically balanced impellers.
- Many sizes ex-stock.
- High efficiency & low NPSHr.
- CI with optional SS and Bronze impellers.
- Available with a range of seals.



ND Range

High quality ISO 2858 - ISO 5199 process pumps refined over many years service life to offer an efficient and balanced pump design. Most components are stocked resulting in short lead times. ND pumps can be fitted with seals to API 682.

- St Steel
- Duplex
- Hastelloy
- Titanium
- Cast Steel
- Monel



- Dynamically balanced impellers.
- Oil lubricated ball bearings.
- Back pull out design.
- Labyrinth seals on bearing supports to negate external contamination.
- Single, double and flushed seals.
- Optional Refrigerated seal chamber.
- SS with DX or Hastelloy options.

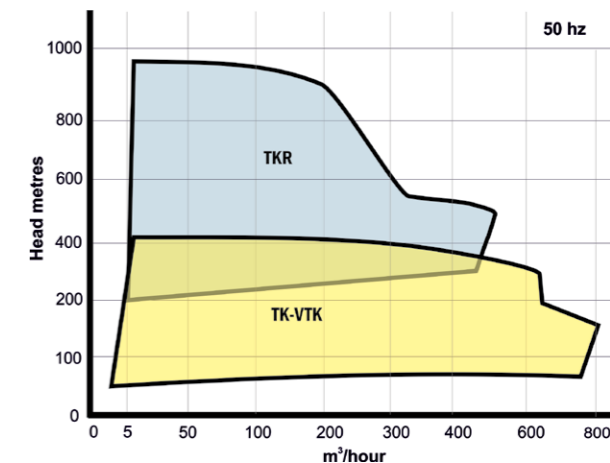


Centrifugal

TK - TKR - VTK Ranges

A comprehensive range of horizontal and vertical multistage boiler feed pumps designed to ISO 9908 and ISO 9906 deg 2. All models can conform to the latest ErP directive requirements.

- Cast Iron
- St Steel
- Carb Steel



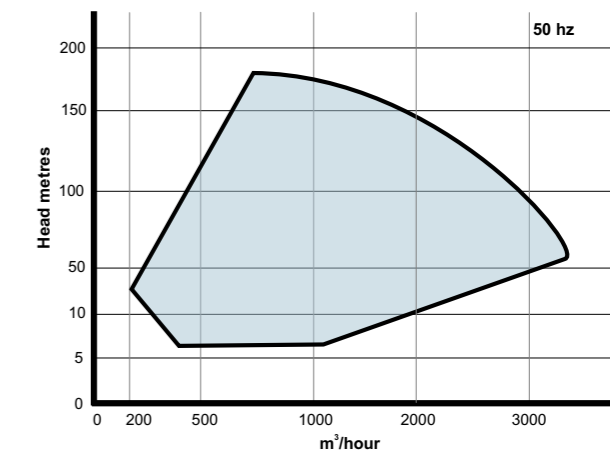
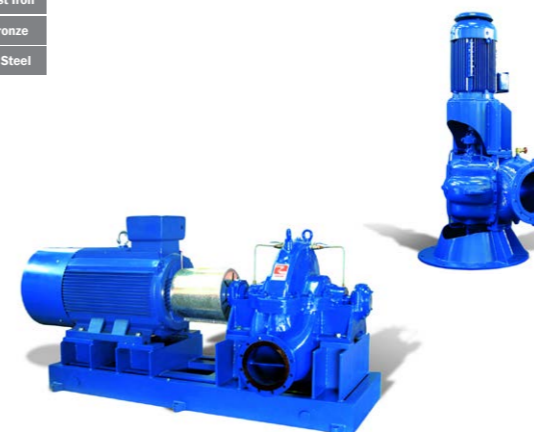
- Oversized shaft.
- Double, oil lubricated ball bearings.
- Dynamically balanced impellers.
- High efficiency & low NPSHr.
- CI with optional SS and Bronze impellers.
- Available with a range of seals.



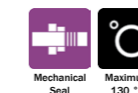
PD Range

Robust split case, double suction pumps available in either horizontal or vertical configurations. The position of inlet and outlet nozzles (in the lower half case of PD horizontal pumps or in the rear half case of PDV vertical pumps) allows inspection and repair without removing the pump from it's position.

- Cast Iron
- Bronze
- St Steel



- Replaceable shaft sleeves.
- Pump body in CI optional steel or ductile iron.
- Impellers CI optional DI and SS.
- Grease or oil lubricated roller bearings.
- Gland packing or a range of mechanical seals.



Semi-Submersible Pumps

A comprehensive portfolio of centrifugal, mixed and axial-flow pumps.

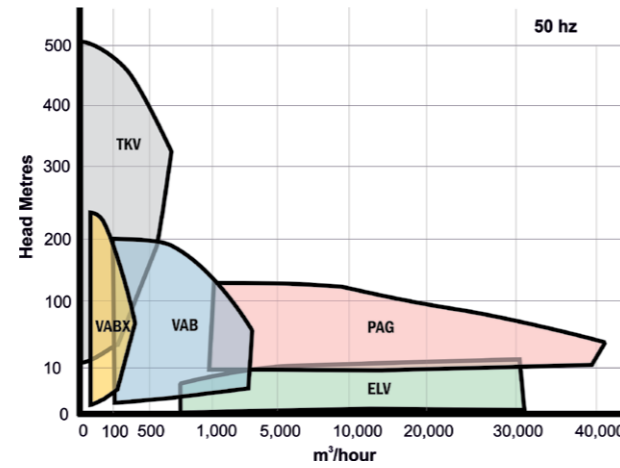
VABX 2 pole mixed-flow: max 600 m³/hr, 500 m head.

VAB 4 pole mixed-flow: max 220 m³/hr, 170 m.

PAG mixed and semi-axial flow: max 42,000 m³/hr and 120 m.

TKV Centrifugal: max 33,000 m³/hr and 10 m.

- Cast Iron
- St Steel
- Bronze
- Cast Steel
- Hastelloy
- Duplex
- S. Duplex



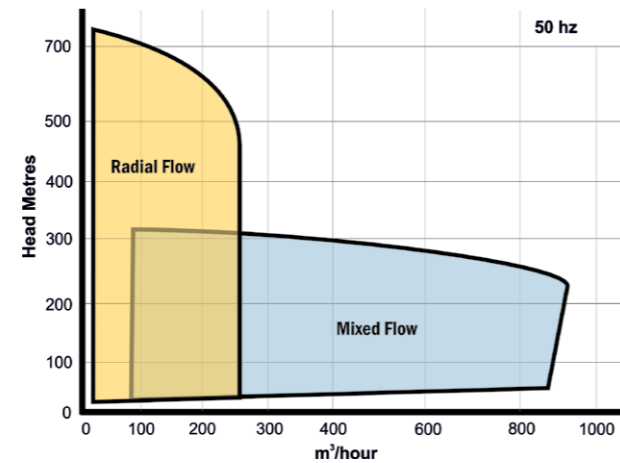
- Dynamically balanced impellers.
- A very wide range of materials.
- Shaft supported with multiple bearings.
- A range of different bearing lubrication methods.
- Soft packed or mechanical seals.



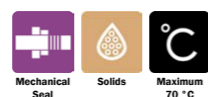
Submersible Pumps

An extremely comprehensive range of fully submersible pumps including both mixed and radial flow models. They are available in sizes from 6" to 14" and many meet the requirements of the ErP directive.

- Cast Iron
- Bronze
- St Steel
- Dup St St



- Designed with the minimum number of wearing components.
- Impellers are dynamically balanced and splined to the shaft.
- The shafts are driven by coaxial bearing bushes and protected by sleeves.
- All the pumps are provided with NRVs.



AxFlow cares for pumps from cradle to grave.

Our Service Centres are equipped with an impressive array of engineering equipment and machinery that allow us to offer a complete engineering solution and the ability to refurbish or re-engineer existing components.



Installation

We can install and commission your pumps to ensure they work correctly from the word "go" and identify any issues with your system that may adversely affect them.

- Accurate alignment of pump sets.
- Correct pump start-up.
- On site performance and duty verification.
- On site training of maintenance operatives.



Repair

We can undertake numerous types of work on-site or at one of our Service Centres. This work can range from simple maintenance, to completely rebuilding your pump by recreating key components.

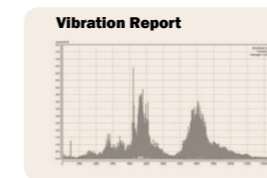
- Machining in-house.
- Belzona coating.
- Dynamic balancing.
- Mechanical seal overhaul.
- Metal spraying and fusion welded coatings.
- Component re-engineering.



Monitoring

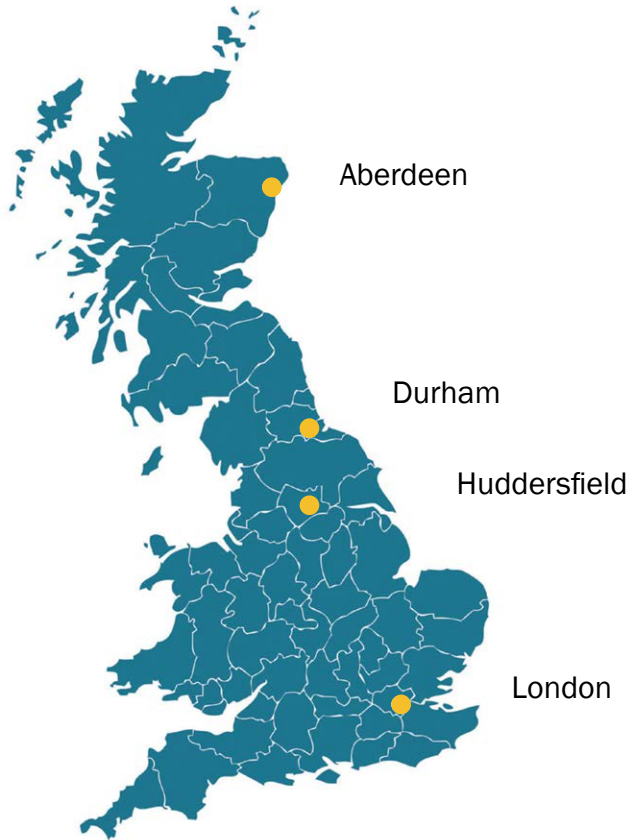
We can monitor your pumps to check they're working OK. By performing regular checks we can foresee problems and carry out planned maintenance work, therefore preventing pump failures and process stoppages.

- Scheduled site visits.
- Vibration tests using the latest equipment.
- Bearing condition measurement.
- Thermal imaging.
- A planned maintenance schedule.
- On site training of maintenance operatives.



With the ability to handle up to 40 tonnes we have we are able to work with the very largest of pumps. As a result of this we've worked extensively within power stations, water treatment, sewage treatment, off-shore and docks.





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fluidity.nonstop® is our promise and our commitment to offer service, product quality, performance and expertise the like of which has not been seen before. We are Europe's leading source of pumps and pump expertise for the process industry and we intend to maintain that position by working fluidly, and ceaselessly, to bring you the best.