



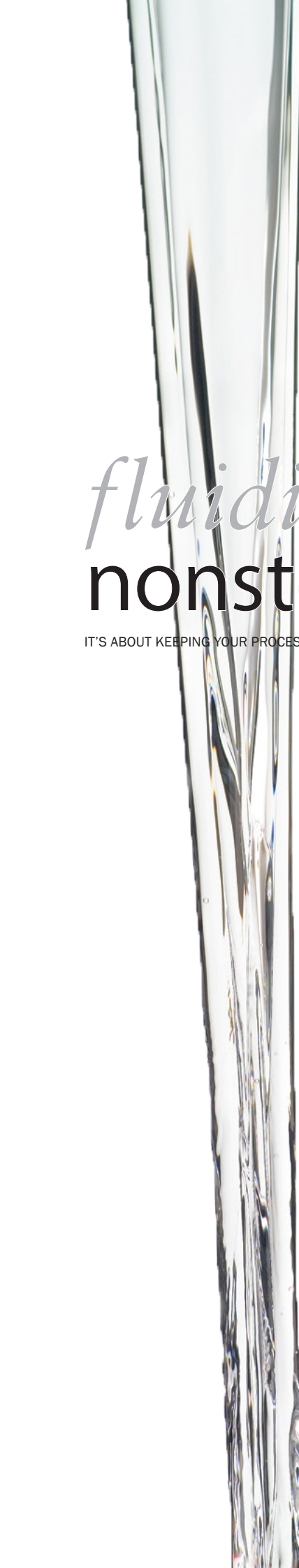
fluidity.
nonstop

IT'S ABOUT KEEPING YOUR PROCESSES RUNNING

AquaRange

Close Coupled Water Pumps

 **AXFLOW**



fluidity. nonstop

IT'S ABOUT KEEPING YOUR PROCESSES RUNNING

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 technical 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 technical 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:

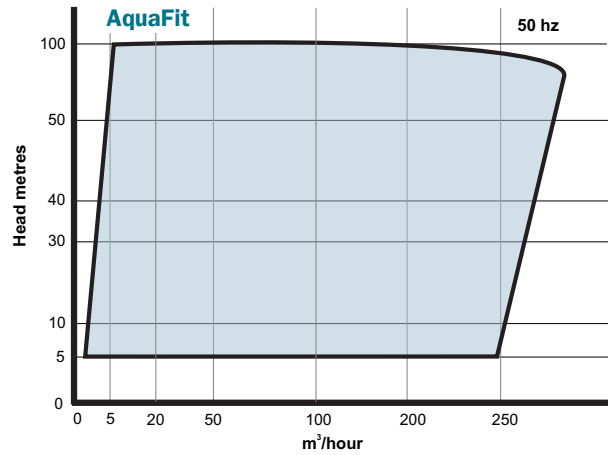
- Din.
- ISO.
- Double suction.
- Turbine.
- Magnetically driven.
- Bore hole.
- Boiler feed.
- Canned.
- Firefighting.
- API 610

AquaRange

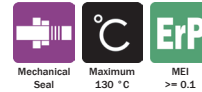
The AquaRange of mono block pumps is made up of :

- **AquaFit** close coupled horizontal single stage end-suction pumps with performances and key dimensions in accordance with DIN 24255.
- **AquaLine** inline vertical close coupled pumps available as either a single or double construction.

All pumps are fitted with IEC 2 motors and meet the required minimum efficiency index (MEI) of 0.1 of the **ErP** Directive, many exceed the requirement.

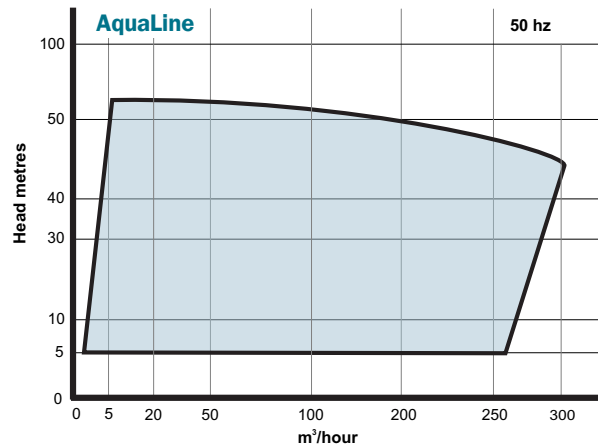


- Dynamically balanced impellers.
- High efficiencies.
- Low NPSH requirements.
- High quality castings.
- Compact construction.
- Designed and manufactured to ISO 9001.
- Short delivery times.
- A choice of connection types.



Construction Materials

Component	Standard	Options
Rear Casing:	Cast Iron	
Front Casing:	Cast Iron	
Impeller:	Cast Iron	Bronze, 304 SS
Shaft:	Cast Iron	
Mechanical Seal:	Sic/Sic/NBR/SS	



ErP

The purpose of the ErP directive is to decrease the environmental effects of energy related products and to promote environmental sustainability.

As of January 1, 2013, the directive also applies to clean water pumps added since their energy efficiency was recognised as one of the most important factors in the domestic and commercial sectors.

The **MEI** is the measure of a pump in regards to its efficiency using an algorithm that considers head, capacity, speed and a constant that is linked to the type of pump being evaluated. Three measurements are taken BEP (Best Efficiency Point) where the pump works with maximum hydraulic efficiency, 75% of the BEP and 110% of the flow at BEP.

The requirements are:

As of January 1, 2013, MEI \geq 0.1

As of January 1, 2015, MEI \geq 0.4

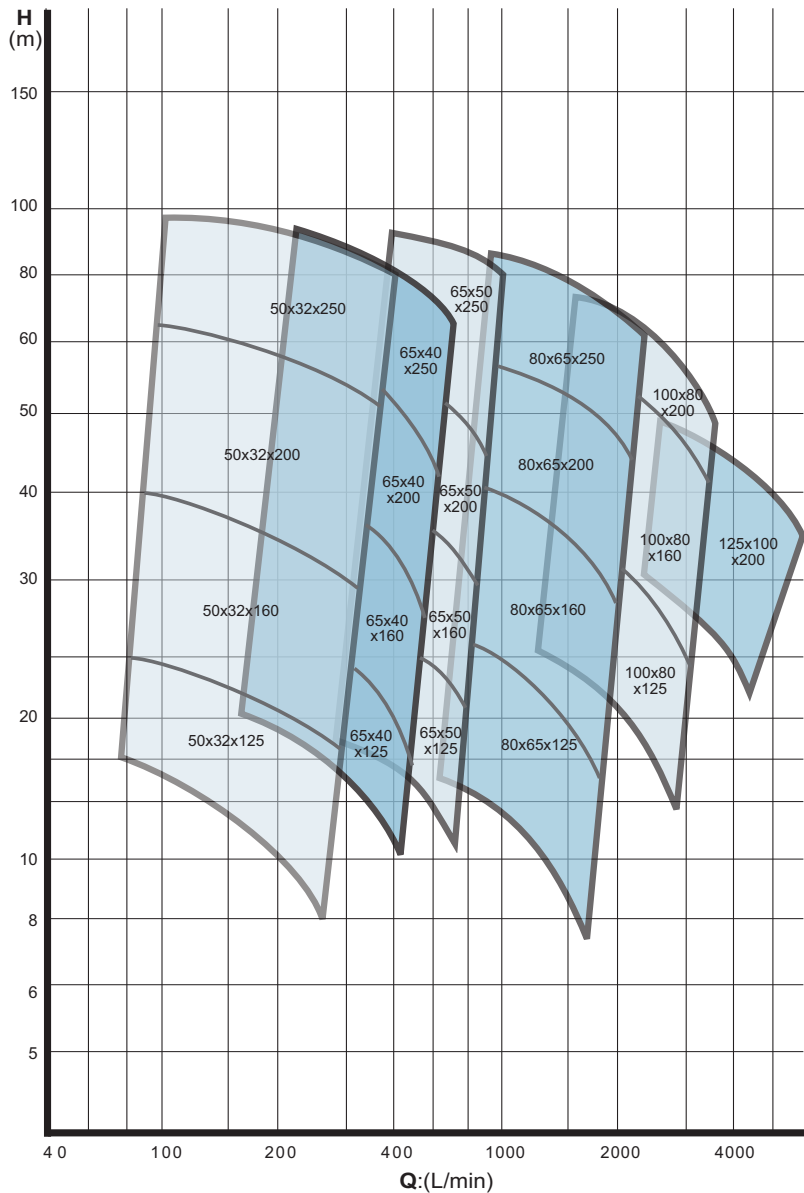
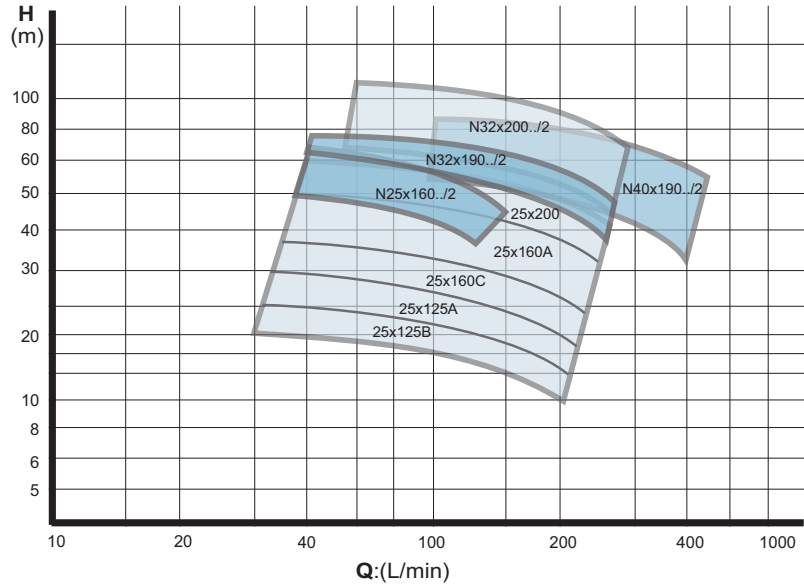
Many AquaRange pumps already meet the MEI \geq 0.4 requirement.



Centrifugal

AquaFit Performance Curves

2900 rpm, water at 20 °C



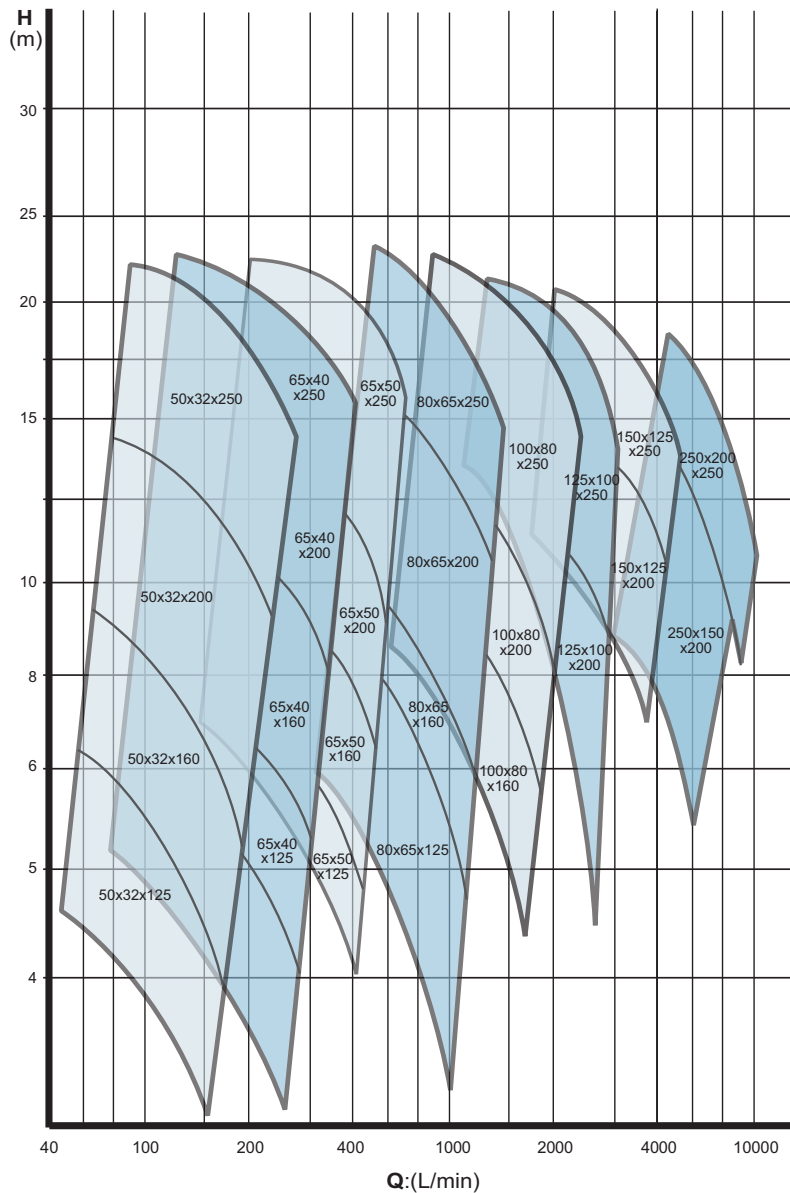
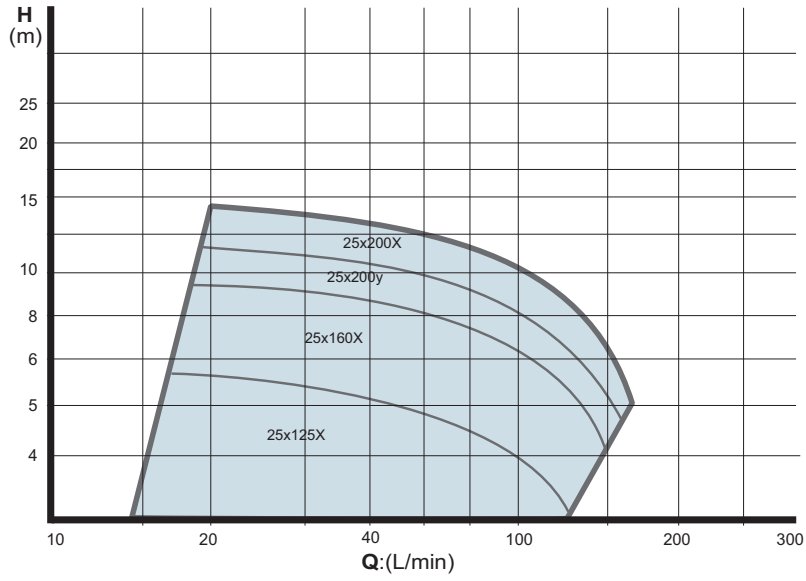
These figures are indicative. Please consult AxFlow Ltd for exact performances.



Centrifugal

AquaFit Performance Curves

1450 rpm, water at 20 °C



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

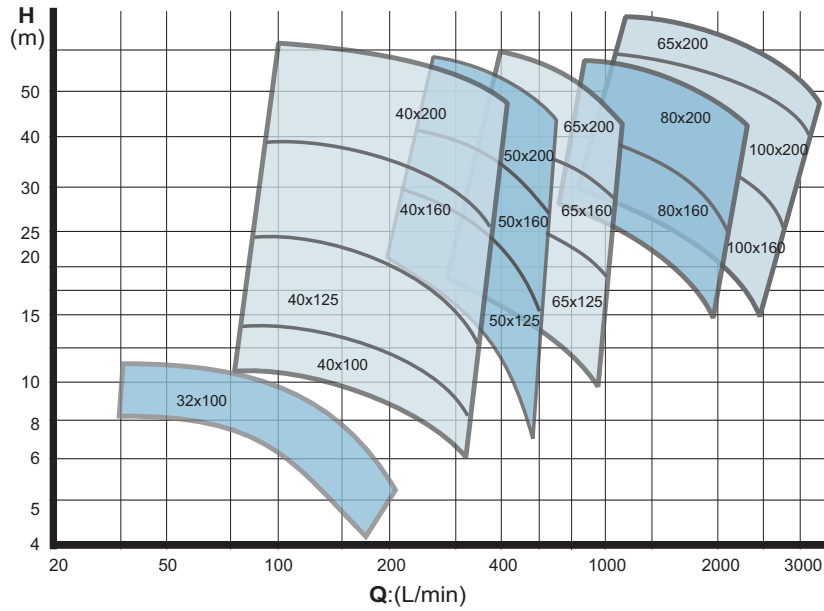


Centrifugal

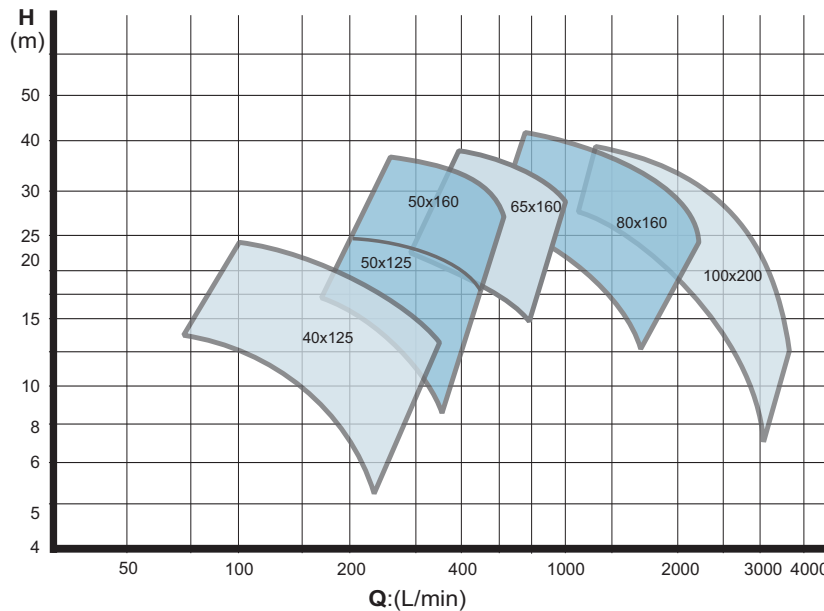
AquaLine Performance Curves

2900 rpm, water at 20 °C

Single Construction



Twin Construction



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

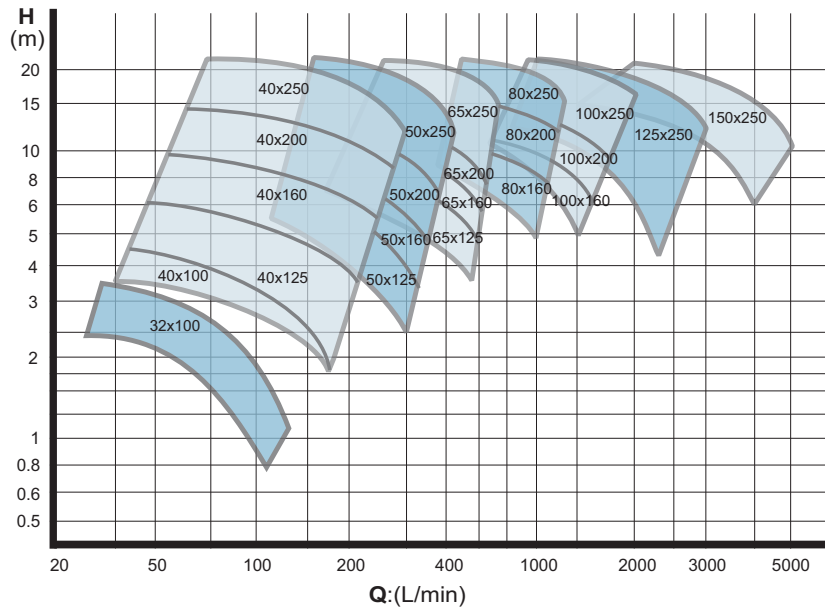


Centrifugal

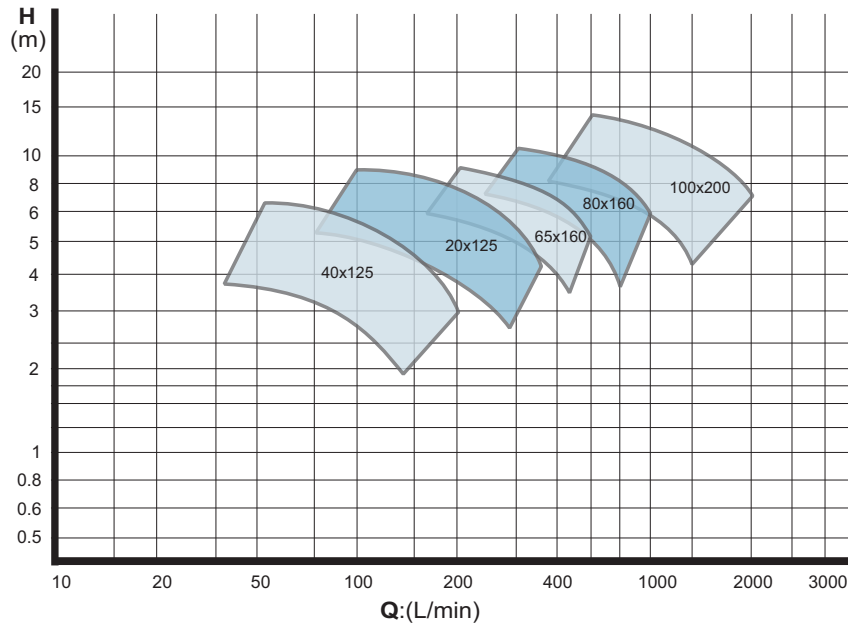
AquaLine Performance Curves

1450 rpm, water at 20 °C

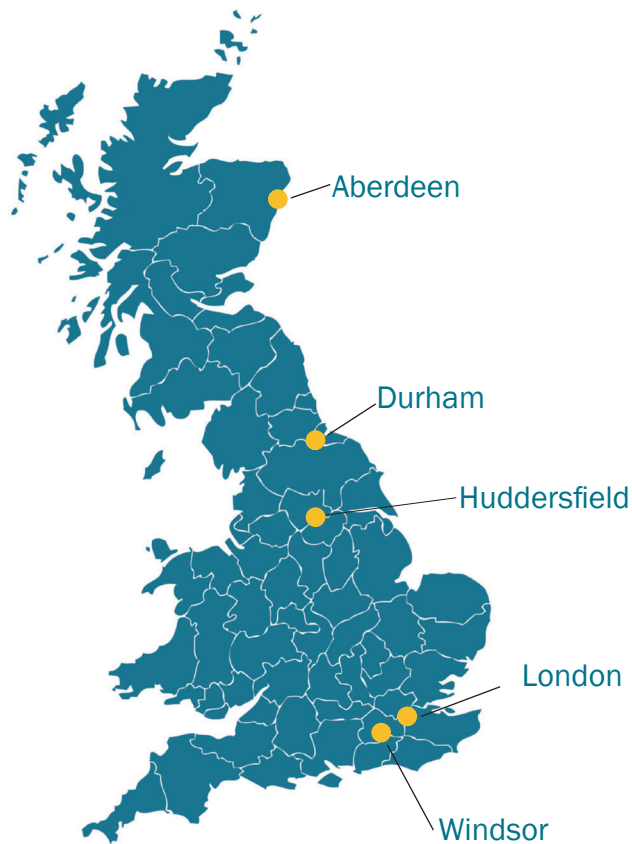
Single Construction



Twin Construction



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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.