fluidity.

nonstop

IT'S ABOUT KEEPING YOUR PROCESSES RUNNING

Pumps in Buildings

AxFlow

AxFlow

Part of the Axel Johnson Group, AxFlow is one of Europe's largest suppliers of centrifugal, rotary positive displacement and reciprocating pumps.

Operating with offices and service locations in 26 European countries, AxFlow with nearly 500 employees represents many world leading pump manufacturers.

Over the years AxFlow has developed *fluidity.*nonstop a concept through which AxFlow provides products and services that encompasses all aspects connected with the smooth running of pumps.

AxFlow in Great Britain

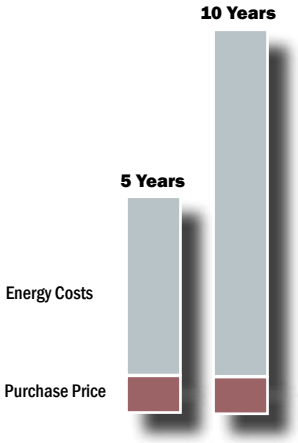
AxFlow GB has over 50 years history and employs approximately 90 people across the UK and specialises in the provision of high specification pumps and pumping systems to the food, beverage, chemical process, off shore and petrochemical industries.

In 2012 AxFlow bought Thames Valley Pumps based near Windsor in order to extend it's reach into facilities management and water services. We are now spreading this expertise throughout the country.

AxFlow's Water Services operations concentrate on more complex sites such as universities, data centres, hospitals, airports and commercial complexes. We are approved by the Home Office, Crown Courts, Magistrate Courts, Metropolitan Police, Heathrow Airport, Gatwick Airport, Institute of Animal Health and our Windsor facility holds a Royal Warrant for work in the Royal Household.

The prime purpose of all our building services systems is to save you money.

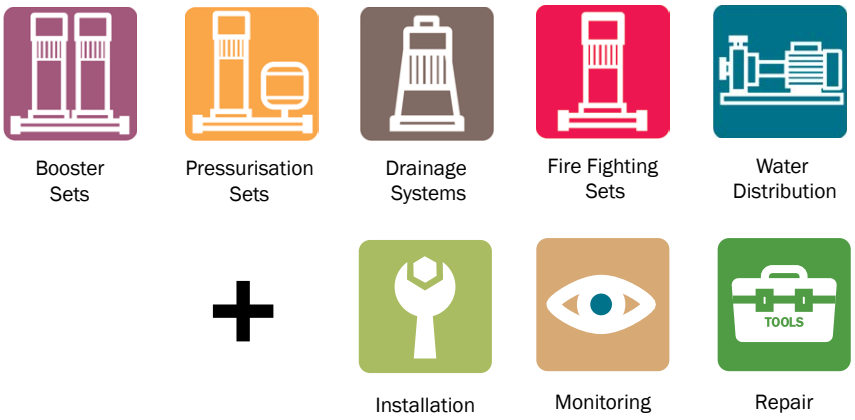
A typical Total Pump Life Cycle Cost analysis (based on 12 hours per day 220 days per year) indicates that energy consumption over a 5 year period represents 4.5 times that of the initial purchase price. Not surprisingly, over 10 years the ratio jumps to 9 times the pump's purchase price.



Optimum performance is one of the simplest ways of reducing a pumping systems power consumption.

We achieve this optimum performance in three ways:

1. By designing the most cost effective system for your needs and not just replacing like for like.
2. By using the most efficient components including IE3 motors, VSD's and placing particular importance on the new EU **ErP** energy efficiency directive.
3. By installing the system correctly and then monitoring it to ensure it's efficient operation over time.



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*fluidity.*nonstop in your building services structure.

Pressurisation Sets

AxFlow specializes in the design and construction of complex solutions for more demanding applications where our system design and pump expertise can be best utilised.

On all refurbishments we check the actual duty requirement to ensure the system is correctly specified.

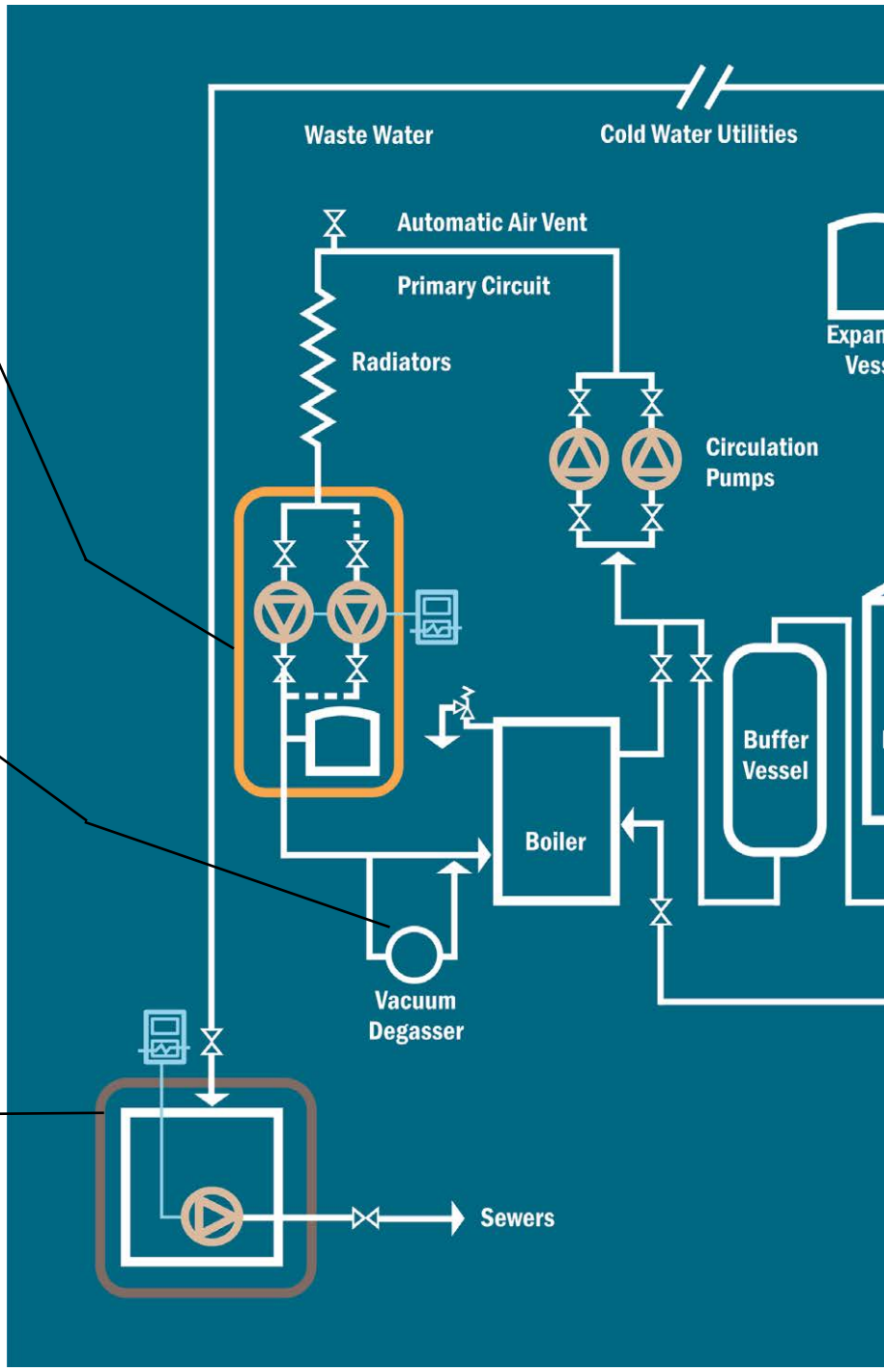
System De-gassing

Removing the dissolved gas from a system has many benefits:

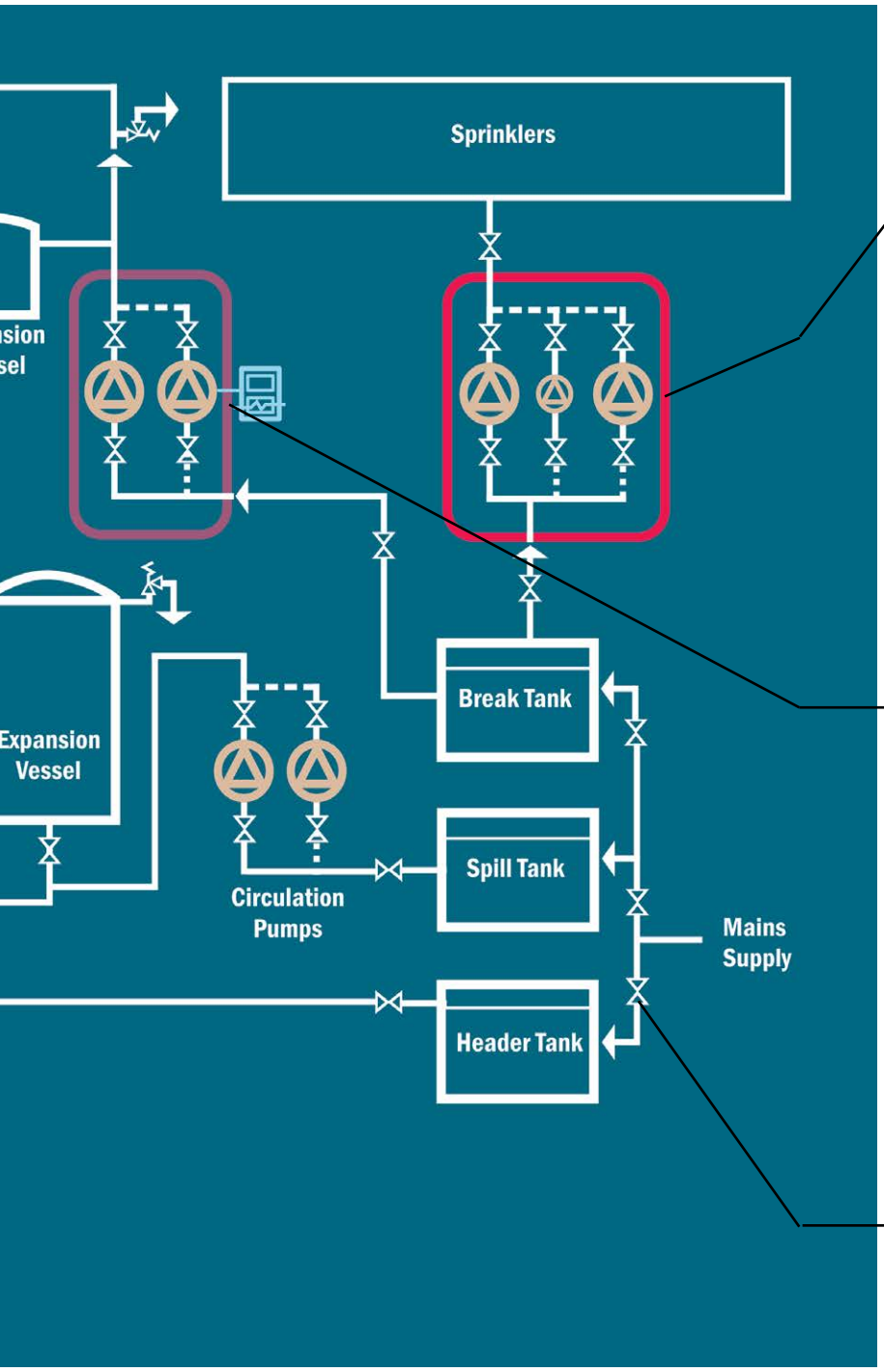
- Prolongs the life of the components.
- Reduces airlocks.
- Minimizes oxidation damage.

Drainage Systems

We supply complete drainage and sewerage packages including pumps, tanks and control systems. Our access to so many specialist pump manufacturers allows us to offer systems for unusual applications including ATEX zones and aggressive chemicals.



All of our pumps have been designed and configured to meet the new EU **ErP** directive - many exceed it's requirements.



Fire Fighting Sets

We have a very wide range of pumps that can be configured for fire fighting systems including many with Factory Mutal, NFPA and EN 12845/12259-12

Booster Sets

As with pressurisation sets, we specialize in the design and construction of complex solutions for more demanding applications where our system design and pump expertise can be best used.

On all refurbishments we check the actual duty requirement to ensure the system is correctly specified.

Valves and Pipework

Our expertise encompases the pipework and ancillary fittings including:

- Valves.
- Pipe lagging.
- New joints.
- Joint welding and pipe fabrication.

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 performance of the pump is measured with regard to it's efficiency using an algorithm that considers head, capacity, speed and a constant that is linked to the type of pump being evaluated. Three measurments are taken BEP (Best Efficiency Point), 75% of the BEP and 110% of the flow at BEP.

Water Distribution

Close coupled cast iron water circulation pumps with key dimensions in accordance with DIN 24255.

- Dynamically balance impellers.
- Low NPSH requirements.
- High quality castings.
- Compact construction.
- Maximum flow 600 m^3/hr.
- Maxiumu differential head 120 metres.

Mechanical Seal | MEI >= 0.1 | Maximum 130 °C

DIN24255-EN733 pumps with oversized shaft s, oil lubricated ball bearings and dynamically balanced impellers.

- High efficiency & low NPSHr.
- CI with optional SS and Bronze impellers.
- Can be fitted with a range of seals.
- ATEX certified versions available.
- Maximum flow 1,000 m^3/hr.
- Maxiumu differential head 110 metres.

Mechanical Seal | ATEX | MEI >= 0.1 | Maximum 130 °C

Multi stage pumps to ISO 9908 and ISO 9906 deg 2 with oversized shaft , oil lubricated ball bearings and dynamically balanced impellers.

- High efficiency & low NPSHr.
- CI with optional SS and Bronze impellers.
- Can be fitted with a range of seals.
- ATEX certified versions available.
- Maximum flow 600 m^3/hr.
- Maxiumu differential head 620 metres.

Mechanical Seal | ATEX | MEI >= 0.1 | Maximum 180 °C

Split case, double suction pumps with dynamically balanced closed impellers and 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.
- Maximum flow 3,500 m^3/hr.
- Maxiumu differential head 170 metres.

Mechanical Seal | Maximum 130 °C

Installation

We can install and commission your pumps to ensure they work properly from the word “go” and identify any issues with your system that may adversely affect the pump.

- Comprehensive pre-delivery inspection.
- Insallation by trained and qualified personnel.
- Accurate laser alignment of pump sets.
- Correct pump start-up.
- On site performance verification.



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 system stoppages.

- A comprehensive site survey that can that can include recommendations to optimise your pump running costs.
- Scheduled site visits and planned maintenance.
- Vibration tests using the latest equipment.
- Thermal imaging.

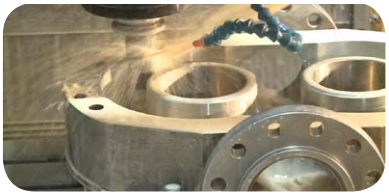



Repair

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.
- Mechanical seal overhaul.
- Laser alignment.
- Hydrostatic pressure testing.
- Motor rewinding.
- Re-engineering a wide range of pump components.



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