

Booster sets, pressurisation units, water storage tanks and waste water solutions





With more than seventy years experience, Aquatech Pressmain are market leaders in the supply of water pressure booster sets and pressurisation units to the building services, process and water industries.

As part of AGM plc, Aquatech Pressmain offers a broad range of expertise and experience to meet the diverse requirements of our customers. We're proud to say that we're the only UK company to design and produce our own in-house microprocessor control systems, enabling us to offer unrivalled versatility in meeting the specific needs of a project. We also work with clients and consultants to design and build bespoke products for specialised applications.

Providing regional support from our offices in Manchester, Colchester and Southampton, our sales and service network covers the whole of the United Kingdom as well as international markets. Aquatech Pressmain is ISO 9001 accredited for both the design and manufacture of bespoke packaged pump systems and is also PED (Pressure Equipment Directive) Compliant. We offer a complete, quality-assured solution to your requirements, quickly, efficiently and at a competitive price.

Our product portfolio includes:

- Booster sets for CAT5 systems, hot and cold water supplies**
- Pressurisation units for sealed heating and chilled water systems**
- Water storage and controls**
- Waste water pump systems**

Our other services include:

- Maintenance and installation**
- Emergency cover**
- Water quality monitoring**
- Water hygiene**
- Waste water services**
- Replacement parts**
- Commissioning**

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CAT 5 UNITS

CAT5 units are used to protect the wholesome water main from contamination due to back flow. Commonly used in bin stores, irrigation, or wash down applications.

AQUABREAK AB5



Applications

Single point outlet, CAT5 boosted water supply for domestic and industrial usage.

Duty range

Flows to 0.2 l/s

Heads to 2 bar

Temperature

0°C to 35°C

Max pressure

4.5 bar

Features

Single pump, complete with 5 litre breaktank and Type AB Air Gap

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MONOMATIC MC5

HEALTHCARE OPTION AVAILABLE



Applications

Domestic or light commercial CAT5 boosted water supply. Special version to supply safe water in healthcare premises.

Duty range

Flows to 1.2 l/s

Heads to 4.5 bar

Temperature

0°C to 35°C

Max pressure

7 bar

Features

Single pump, adaptive variable speed, complete with 65 litre breaktank and Type AB Air Gap

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BOOSTER SETS

Cold water pressure booster sets for increasing the pressure in wholesome drinking water.

MICROMATIC HM2AV



Applications

The two variable speed driven pumps are energy efficient and for potable water distribution or pressure boosting in residential, commercial and industrial premises.

Duty range

Flows to 7 l/s

Heads to 6.5 bar

Features

Supplied with standard controls and RePress (slow fill)

304 stainless steel pipework

Flow through vessel

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AQUAMATIC AMV E-SPEED SERIES



Applications

All variable speed driven pumps are energy efficient and for potable water distribution or pressure boosting in residential, commercial and industrial premises.

Duty range

Pumps 2 to 4

Flows to 28 l/s

Heads to 14.0 bar

Features

Supplied with standard controls and RePress (slow fill)

304 stainless steel pipework

Flow through vessel

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FIRE CONTROLS BS9251:2021

AQUAMATIC AMV-FE ENHANCED SERIES



with Fire Sprinkler Mode for combined domestic water and sprinkler systems to BS9251:2021



Applications

All variable speed driven pumps are energy efficient for potable water distribution or pressure boosting in residential, commercial and industrial premises and sprinkler systems in line with BS9251:2021.

Duty range

Pumps 2 to 8
Flows to 48 l/s
Heads to 14.0 bar

Features

Supplied with 2020 Plus Controller and Fire Sprinkler Mode as standard
304 stainless steel pipework
Flow through vessel and slow fill (RePress)

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THE AQUATECH PRESSMAIN FIRE PRIORITY VALVE FPV



Applications

Combined domestic sprinkler systems to BS9251:2021.

If the sprinkler system is activated the motorised valve closes enabling all the available water to the sprinklers riser.

Control Features

6 line LCD multi coloured display
Break tank low water level interface
Valve with failsafe actuator (integral battery ensures valve closes on power failure)
Manual reset
REPRESS system preventing hydraulic shock

Temperature 3°C to 40°C

Max pressure 0-16 bar

Supply Voltage 230VAC 1Ph 10A

Data Sheet 512

PACKAGED SUBMERSIBLE PUMPS

AQUASUB with Submersible Pumps



SLIMLINE DESIGN
To fit through a
standard doorway.

Applications

Medium to large dwelling potable water packaged booster.
Variable speed, slim, quiet. Slow fill (RePress)

Duty range

Flows to 2 l/s (single pump)
Heads to 8 bar

Temperature 0°C to 40°C

Max pressure 8.4 bar

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BESPOKE BOOSTER SETS

Bespoke cold water pressure booster sets for increasing the pressure in wholesome drinking water. Available with 1 to 8 pumps.

AQUAMATIC BESPOKE PUMPSETS with 2020 Plus Controller



Applications

Potable water distribution or pressure boosting in residential, commercial and industrial premises. All pumps are energy efficient with variable speed motors that continuously alter their speed to match fluctuating system flow rates.

Duty range

Flows to 204 l/s

Heads to 25 bar

Supplied with 2020 Plus Controller as standard



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E.SYLINE BOOSTER SET SERIES

Cold water pressure booster sets for increasing the pressure in wholesome drinking water. The E.Syline range of booster pumps can be supplied fully packaged with various water storage tank options and supplied with Air Gap packs.

E.SYLINE MINI



E.SYLINE MINI with 65L Storage Tank
Other tank combinations available

Applications

Small dwelling potable water compact booster
Variable speed

Duty range

Flows to 1.3 l/s (single pump)
Heads to 5.5 bar

Temperature 0°C to 40°C

Max pressure 6 bar

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E.SYLINE BOX & E.SYLINE TWIN



E.SYLINE TWIN with 700L Storage Tank
Other tank combinations available

Applications

Medium to large dwelling potable water booster
Variable speed

Duty range

Flows to 1.5 l/s (single pump)
Flows to 3.0 l/s (twin pump)
Heads to 5.5 bar

Temperature 0°C to 40°C

Max pressure 6 bar

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HYDRAULIC SHOCK PROTECTION

AQUAVENT REFILL VALVE FOR BOOSTED WATER SYSTEMS



Applications

Designed to assist with the draining down and refilling of pressure boosted water supply pipework by preventing damaging pressure shocks from occurring. Whether a system pipework is drained down intentionally for maintenance or unintentionally as a result of the pressure booster set stopping, there is the potential of pressure shocks when the pressure booster restarts.

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WATER STORAGE AND CONTROLS

We provide a range of water storage solutions and monitoring equipment for the level and/or temperature of fluid in tanks.

TANKMATIC LEVEL & TEMPERATURE MONITOR/CONTROLLERS



Applications

Ideal for continuous display and control of the level and/or temperature of liquids in tanks, sumps etc. with output signals to interface with your application.

Examples

Constant monitoring of level, temperature or volume of water (or any liquid such as fuel oil) in tank(s), with analogue and digital outputs for BMS, for high and low liquid level and high and low liquid temperature. Outputs also available to switch pumps, valves, alarms etc.

General

Tank lid or wall mounted control panel with either submersible or tank/pipework mounted level and temperature sensors.

Optional remote display available for mounting in suitable location up to 1500m away.

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AQUATANK APT SERIES ONE AND TWO PIECE GRP BREAK TANKS



Aquatanks are moulded in one or two piece using GRP materials as approved by the Water Research Centre. Built to BS13280:2001. All tanks and lids are pre-insulated with 25mm CFC-free foam fully encapsulated within the laminates as standard to provide a U value of 0.84 W/m²K. Two piece, 50mm and 75mm insulation options are also available.

All tanks comply with the Water Regulations (Water Fittings) Regulations 1999 and incorporate a type AB Air Gap and are fitted with a raised float valve chamber with screened mesh slots.

All tanks are in light grey to BS5252.

- 90-5,400 litre sizes available
- Glass Reinforced Plastic (GRP)
- 25mm standard Pre-insulation
- WRAS Approved
- By-Law 30
- Type AB Air Gap (Raised Float Valve Chamber)

Data Sheet 501



AQUATANK APT SECTIONAL GRP TANKS



Sectional tanks find application whenever access to the tank location is restricted or when large capacities are required.

Sectional tanks comprise bolted panels and a metal bracing system depending upon size. They are supplied in a palletised form for installation by our trained erectors in the UK or for self-build for overseas projects.

Available in three versions

IFB – Externally flanged sides with internal flanged base

TIF – Totally internally flanged

EFB – Totally externally flanged

- Heights to 5m
- Any footprint in 500mm increments
- Class leading thermal performance
- Supply and install
- WRAS Approved Product

Data Sheet 501s



A POD – PACKAGED PLANT ROOMS



Tank sizes available from 1,600-10,000 litre nominal storage capacity.

The unit is designed as a single piece item with an internal dividing wall at full height.

One internal section being the wet compartment for the stored water which is accessed via a lid mounted lockable manway.

Beyond the internal dividing wall is the dry side where the booster set is positioned.

The principle is to provide the unit factory assembled, with the booster set, associated pipework interconnections and electrical equipment as a fully packaged product.

The internal dividing wall has the inlet and outlet connection within it, the overflow, warning pipe and screened spill-over weir terminate through the wet side wall to outside and do not require any additional pipework.

The whole unit is mounted and fixed to a fully welded galvanised steel skid which allows offloading and movement on site by forklift truck.

The completed unit, once positioned, requires the simple connection of the mains pipework, outlet pipework to the services, and electrical supply, making it a “plug and play” unit requiring minimal onsite installation.

Data Sheet 130

PRESSURISATION UNITS

Pressurisation Units for maintaining pressure in sealed heating or chilled systems.

MINIPACK BASIC AND ENHANCED



Applications

Heating and chilled water system pressurisation

Temperature

3°C to 90°C

Fill Pressure

Up to 3.5 bar

System content

Up to 5,000 litres

Basic Features

Single pump, wall mounted design

Basic Microprocessor Control with safety interlock

Enhanced Features

Twin pump, wall mounted design

Enhanced Microprocessor Control with full BMS package

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AQUAPACK AP SERIES

EXTENDED OPTIONS AVAILABLE



Applications

Heating and chilled water system pressurisation

Temperature

3°C to 90°C (120°C with buffer)

Fill Pressure

Up to 9.0 bar with standard versions

Bespoke options available up to 14.0 bar

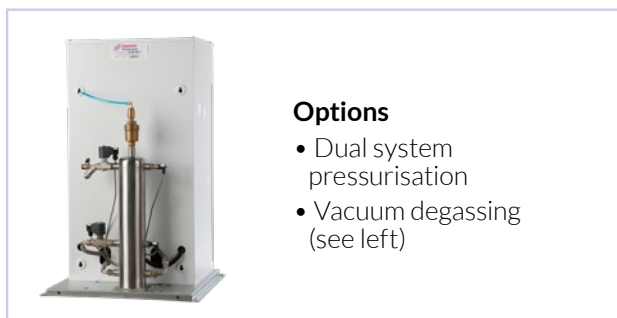
System content

Up to 50,000 litres

Features

Twin pump, floor or wall mounted

BMS enhanced package included



Options

- Dual system pressurisation
- Vacuum degassing (see left)

Data Sheet 207

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AQUATANK EXPANSION VESSELS



Applications

Heating and chilled water

Temperature

0°C to 90°C

Pressure

10.0 bar maximum working

Sizes

8 to 500 litres in stock

Up to 5000 litres on request

Options

16 bar and 25 bar rating

Drinking water flow through

Data Sheet 403



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SPILLBACK SB SERIES



Applications

Heating and chilled water system pressurisation

Temperature

3°C to 90°C (120°C with buffer)

Fill Pressure

Up to 8.0 bar

System content

Up to 50,000 litres

Features

Twin pump, floor mounted

BMS enhanced package included

Data Sheet 225



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SPILLPRESS SP2ET SERIES



Applications

Heating and chilled water system pressurisation
for low pressure increase

Temperature

3°C to 90°C (120°C with buffer)

Fill Pressure

Up to 8.0 bar

System content

Up to 70,000 litres

Features

Twin pump, floor mounted

Sealed spill vessel

BMS enhanced package included

Data Sheet 214



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AQUASPILL AS SERIES



Applications

Large heat networks and chilled water systems

Temperature

3°C to 150°C as standard and above, if required

Fill Pressure

Up to 25.0 bar as standard and above, if required

System content

Up to 1,000,000 litres as standard, above on request

Features

Open spill tank

BMS enhanced package included

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WASTE WATER PUMPS

A range of waste water pumps for a wide range of uses, including domestic, commercial and industrial.



Waste water and sewage pumping, drainage and pressure drainage. Including submersible pumps, pumping stations, macerators, for domestic and commercial use.

Various types of waste water and sewage pumps available, for many different applications, with a wide duty range, and various temperature and performance features available.

OTHER AGM SERVICES

Aquatech Pressmain products are supported by their network of AGM service engineers distributed throughout England, Scotland and Wales, with three main regional service offices located in Manchester, Colchester and Southampton.



SERVICE NETWORK AND SUPPORT

We place great emphasis on providing technical backup to support our service engineers and in resolving the most demanding operational and technical issues. And we pride ourselves on getting the job done and never leaving a problem unresolved or a customer waiting. This quality of service has made us the number one choice for so many of our customers.

All of our service engineers have...

- Contractor Client National Safety Group Safety Passport
- Confined space training (where appropriate)
- Training in all aspects of pressurisation and water booster systems
- Training for the examination of pressure systems

We are registered with...

- BSI ISO9001 Quality Assurance
- BSI ISO14001 Environmental Management
- B&ES Membership
- Construction Line
- CHAS
- British Safety Council
- Safe Contractor



SCHEDULED MAINTENANCE AGREEMENTS

To maximise the efficiency and safe operation of equipment it is essential that regular service be carried out. We can offer a wide variety of pre-planned maintenance services, tailored to meet the needs and budget of any client. One of our dedicated team will advise on the most appropriate agreement to suit your requirements.



Benefits of an AGM Maintenance Agreement

- Access to our 24/7/365 emergency helpline
- Priority emergency response
- Reduced call-out rate
- Access to fully trained technical support team
- Free on-site asset surveys
- Statutory Compliance with PSSR
- SLAs and KPI monitoring
- Peace of mind

WATER HYGIENE SERVICES

Under existing government legislation an employer or person in control of a premises has a legal obligation to ensure the safety of staff, visitors and people in the vicinity of their property. One of these duties is to prevent and control the risk of proliferation and exposure to Legionella.



Risk Assessments

AGM can provide suitably qualified staff to identify the risk of exposure to Legionella within any water system.

Remedial work

Following a risk assessment, remedial work may be required to bring a water system in line with current legislation.

Control Schemes

A normal part of our risk assessment process is to recommend a strategy for the regular monitoring and inspection of your water system, enabling you to manage the risk of Legionella proliferation in the future.



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Aquatech Pressmain is an AGM brand.

