

Over 30 years  
experience in  
the design and  
manufacture of  
engineered valves  
and ancillary  
products.

Proudly designing and engineering valves since 1989.







# Complete Valve Solutions

With over 30 years enviable experience in the UK and overseas markets, GA Valves Sales Ltd provides a comprehensive package in design, manufacture and distribution of a range of engineered waterworks valves and associated ancillary equipment to the water process and allied industries.



# Products & Services

## Our Company

Conveniently situated near the M62, our office and warehouse are supported by fully computerised management and stock control systems. Our management team includes individuals respected throughout the industry for their technical ability and breadth of experience.

## Sales and Service

We are able to respond rapidly to every customer request due to our extensive stock of valves and competitive lead times for specially manufactured products. The nature of the industries with which we work demands the utmost precision, reliability and quality in the products we supply. We regard quality of service to be the forefront of our values in order to meet customer expectations. We are fully accredited ISO9001 & ISO14001.

## Quality and Variety

GA Valves are a leading supplier of high quality valves and components, we are internationally recognised to industry standards. We offer a comprehensive range of automatic control valves for water and waste water applications. We also manufacture and distribute air release and vacuum valves and a wide selection of spare parts following the purchase of intellectual property rights from Blakeborough, another highly respected name.

With our comprehensive range of products, we have built our company's success by meeting water/waste water engineering problems with engineered solutions using high quality valves often customised and tailored to meet individual requirements and specifications.

In addition, and building upon the lengthily experience of staff, we are able to put this knowledge to effect by sourcing valves outside the range of our own products for the water industry, power generation and general industrial markets.

## Product Range

- Air Valves
- Gate Valves
- Check Valves
- Control Valves
- Butterfly Valves
- Flap Valves
- Float Valves
- Plug Valves
- Penstocks
- Ball Valves
- Fire Hydrants
- Marker Post & Plate Systems
- Blakeborough & Wolstenholmes - Valves & Spares

## Divisions

GA Valves are proud to service a range of prominent utility sectors.

### GA Wastewater/Sewage

Pumping Systems & Pipelines, we offer a full range of valves for wastewater.

### GA Water

Pumping Systems & Pipelines, we offer a full range of WRAS / Regulation 4 approvals for valves on Potable Water projects.

### GA Petrochemical

Air valves & Isolation valves in Exotic materials for the fire Systems for On/Off-shore & desalination Industry.

### GA Blakeborough & Wolstenholme

Ballast Cleaning Systems flow control.

### GA Building & Construction

General construction and factory service.

### GA Fire Protection

Fire mains and flow Control.

# Aquestia Control Valves



## The aim of GA Valves Aquestia is to save money on all aspects of leakage and pressure management.

We at GA Aquestia want to assist you with taking control of your network or installation by offering advanced hydraulic solutions and services ensuring savings are made on every single drop of water produced.

Our network control model, through advanced hydraulic engineering solutions will help to reduce your carbon foot print, utilise greener products, solutions and long term solutions, a long term service and maintenance warranty for complete piece of mind.

The responsibility will be on GA Aquestia valves to make the considerable savings and to take pressure of the increasing overheads of the Utilities or projects. A full rehab service will be available on all make of control valves that meet the right European certification.



\*Aquestia is the new name for Dorot.



### Suppliers of Air Valves on Water/ Sewage Application

The presence of trapped air in a pressurized pipeline can have serious effects on system operation and efficiency. As air pockets accumulate at high points, they reduce the effective cross-section of the pipeline in their location, decreasing the water flow and increasing the energy consumption required to pump the water through, thus reducing the overall system efficiency. A pipeline with many air pockets may impose enough restriction to stop all flow ("airlocks").

The dislodge and movement of the air pockets may change the fluid velocity suddenly and cause pressure surges and pipeline ruptures.

Trapped air pockets may also accelerate corrosion in the pipe material, damage water metering devices and cause erratic operation of control valves.

On the other hand, when a system is being drained there is a necessity to admit atmospheric air into the pipeline in order to occupy the volume of drained water, to prevent dangerous sub-atmospheric pressure that may bring complete collapse of pipe-sections.

After each stoppage of deep-well (borehole) pump, the riser drains from water and should be filled with air. At startup, the water column in the pipe rises rapidly and in the absence of an air-valve the pressurized air may be forced through the surface check-valve into the main header. Additionally, once the riser is full with water, the sudden increase resistance may cause pressure surges.



GA/FIG: 8316 WRAS Approved 1" Large Air Valve  
c/w Vented Non Return Valve fixed to outlet.



GA/FIG: 8340 WRAS Approved 2" Double Orifice Air Valve  
c/w Flanged outlet to pipe away.



GA/FIG: 3803 WRAS Approved 1" Single Small Air Valve  
c/w Isolation Ball Valve & 80mm flanged.



GA/FIG: 8340 WRAS Approved 80mm Double Orifice Air Valve  
Flanged PN16 c/w GA/FIG:BF02 Lugged Tapped Butterfly Valve with fixings.

### The Types and Functions of Air-Valves

#### Kinetic Air/ Vacuum Valve (Single Large Orifice)

Exhaust large quantities of air from the pipeline when it is filled with water, at low pipeline pressure ('Kinetic' air-release function).

Admit large quantities of air into the pipe when it is drained or when the internal pressure drops below atmospheric pressure due to transient conditions ('Kinetic' anti-vacuum function).

#### Automatic Air Release Valves (Single Small Orifice)

Release small pockets of accumulated air while the pipeline operates under pressure ('Automatic' air-release function).

#### Combination Air Valves (Double Orifice)

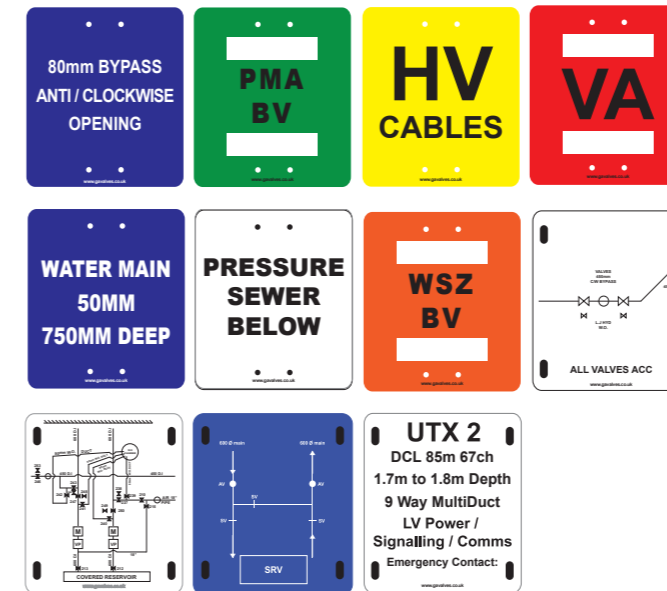
A valve that perform the functions of both the 'Kinetic' and 'Automatic'.

### Marker Plates

Made from 3mm thick high strength 'Lexan' which is reverse printed to protect the image from damage. Clear text windows are provided, when required, to allow for individual information to be reverse applied on site prior to fixing of the plate to the post.

Plates can be supplied drilled for fixing to DDS system posts and street furniture or slotted for mounting on existing concrete marker posts.

As we are a manufacturer and not only a distributor, we are able to custom make to meet our customer's requirements. These custom-made sign plates can be of any design or colour and can include intricate schematics.



### Recyclable Marker Posts

This new post is made from grey recycled plastic to simulate the look of the traditional concrete post, but it is without the inherent problems associated with products made from this conventional material.

This new plastic post will weigh approximately 7 kg against a similar sized concrete post which weighs 20-25kg. Up to 30% of concrete posts will be broken either in transit or before installation.

This plastic post will not break. The light weight of this product complies with the health and safety guideline of 20kg for manual handling by a single person.

### Marker Posts

#### Features:

- High density compressed fibre composite by Carsonite®
- Colours: Red, Yellow, White, Blue and Green
- Sizes: 42"/1050mm or 60"/1500mm long
- Pre-drilled for DDS technology sign plates
- Un-drilled to apply self adhesive custom marker stickers e.g. Water, Gas, Electric, with option of your company logo

#### Advantages:

- Rapid installation by 1 person
- Very strong and impact resistant, yet light for easy transport and storage
- Does not rust, rot or corrode – unaffected by temperature
- Colour permeated with UV shielding to prevent fading
- Long life expectancy (15 – 20 years)
- Industry tested and approved
- Substantial savings against other methods of marking
- Marker posts with custom identification stickers

#### Custom and stock stickers:

- Easy to apply
- Weather proof
- Durable UV stable Company branding or logos





# Guaranteed Assurance.

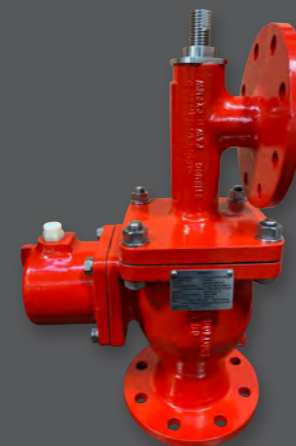


## Premium Air Valves

Our own HiVent Exotic Material Air Valves for the Petrochemical Market

For over 30 years GA Valves has been a leader in providing specialist Air Valves for the Petrochemical Market.

Our range of WRAS approved HiVent Air Valves are available in a variety of materials including: Titanium, Stainless Steel, Duplex Stainless Steel, Bronze, 6Mo, accredited to Internationally recognised material standards.



**GA/FIG: 8340**  
**3" Double Orifice**  
Flanged ANSI 300#  
Hastelloy Air Valve c/w adjustable throttling device, coated in Shell approved marine epoxy coating.



**GA/FIG: 8340**  
**4" Double Orifice**  
Flanged ANSI 150#  
Ali-Bronze Air Valve c/w flanged piped outlet, coated with black epoxy.

















**GA/FIG: 8320**  
**2" Single Large**  
Flanged ANSI 300#  
Ali-Bronze Air Valve, coated with black epoxy.



**GA/FIG: 8320**  
**6" 8320 Single**  
Large flanged ANSI 150# Super Duplex Air Valve c/w Surge Check Device.



# Product Overview

<p><b>Gate Valves</b></p> <p><b>B01,B02 Metal Seated Gate Valve</b>  <ul style="list-style-type: none"> <li>• 50mm - 1600mm</li> <li>• Ductile Iron • PN16-PN25</li> </ul> </p> <p><b>B03, B04 Resilient Seated Gate Valve <i>New</i></b>  <ul style="list-style-type: none"> <li>• 50mm - 1200mm • Ductile Iron</li> <li>• Soft Seat • PN16-PN25</li> </ul> </p>	
<p><b>Air Valves - Potable Water</b></p> <p><b>HiVent Small, Large &amp; Double Orifice Air Release Valve</b>  <ul style="list-style-type: none"> <li>• Usage for potable &amp; filtered water</li> <li>• PN10/16/25 - ANSI 150/250/300</li> <li>• 25mm (1") - 200mm (8") sizes</li> </ul> </p>	
<p><b>Exotic Material Air Valves</b></p> <p><b>HiVent Small, Large &amp; Double Orifice Air Release Valve</b>  <ul style="list-style-type: none"> <li>• Usage for offshore &amp; petrochemical markets</li> <li>• PN10/16/25 - ANSI 150/250/300</li> <li>• 25mm (1") - 200mm (8") Sizes</li> </ul> </p>	
<p><b>Dorot Air Valves</b></p> <p><b>Plastic Automatic, Kinetic &amp; Combination Air Release Valves</b>  <ul style="list-style-type: none"> <li>• 1/2", 3/4", 1", 2" BSP or NPT, • 0.2 - 16 Bar Pressure</li> <li>• 28m³/H - 700m³/H Discharge</li> </ul> </p>	
<p><b>Dorot Control Valves</b></p> <p><b>Pressure Reducing, Sustaining/Relief, Flow Control &amp; Electric Control Valves</b>  <ul style="list-style-type: none"> <li>• Ductile Iron • 40mm - 800mm • PN16</li> </ul> </p>	
<p><b>Smart Technology</b></p> <p><b>Dorot Condor Technology <i>New</i></b>  <ul style="list-style-type: none"> <li>• Remote &amp; local control</li> <li>• Cellular &amp; Bluetooth communication</li> <li>• MODBUS &amp; OPC Support</li> <li>• All functions one controller</li> </ul> </p>	
<p><b>Butterfly Valves</b></p> <p><b>Wafer, Lugged &amp; Double Flanged Butterfly Valves <i>New</i></b>  <ul style="list-style-type: none"> <li>• 50mm - 1200mm • Ductile Iron • PN16</li> </ul> </p>	
<p><b>Flap Valves</b></p> <p><b>Euro TF Flap Valve</b>  <ul style="list-style-type: none"> <li>• 80mm - 600mm • Ductile Iron • HDPE • PN16</li> </ul> </p>	
<p><b>Knife Gate Valves</b></p> <p><b>Knife Gate Valve</b>  <ul style="list-style-type: none"> <li>• 50mm - 300mm ex stock 350mm+ available on request • Ductile Iron • PN16 • 10Bar</li> </ul> </p>	
<p><b>900 Series Air Valves - Sewage/Dirty Water Valves</b></p> <p><b>Small, Large &amp; Double Orifice Sewage Air Release Valves</b>  <ul style="list-style-type: none"> <li>• 50mm - 150mm • PN16</li> <li>• Ductile Iron • 0.2 - 16Bar • 0°C - 70°C</li> </ul> </p>	
<p><b>Penstocks</b></p> <ul style="list-style-type: none"> <li>• 150mm - 3000mm</li> <li>• Stainless Steel, Titanium, Cast Iron, HDPE</li> <li>• EPDM or NBR Seals</li> <li>• Wall, Channel, Weir, Stop Logs &amp; Handstops</li> </ul>	
<p><b>GA Marker Systems</b></p> <p><b>Concrete Marker Post</b>  <ul style="list-style-type: none"> <li>• 24.5 Kg • 980mm x 245mm</li> <li>• Class A BS 3251 Plate Slot</li> </ul> </p> <p><b>Recyclable Marker Post <i>New</i></b>  <ul style="list-style-type: none"> <li>• 7 Kg • 1230mm x 205mm</li> <li>• Class A BS 3251 Plate Slot</li> </ul> </p> <p><b>Marker Plates</b>  <ul style="list-style-type: none"> <li>• 3mm Thick Lexan • 205mm x 180mm</li> <li>• Weather Proof • Slotted or Drilled</li> <li>• Custom Designs</li> </ul> </p> <p><b>Drive In Marker Posts</b>  <ul style="list-style-type: none"> <li>• Available in a range of colours</li> <li>• 1050mm or 1500mm • Custom Designs</li> <li>• Weather Proof</li> </ul> </p>	
<p><b>Plug Valves</b></p> <p><b>GA Plug Valves</b>  <ul style="list-style-type: none"> <li>• 50-900mm • Ductile Iron</li> <li>• EPDM, Viton, Nitrile • PN16/PN25/PN40</li> </ul> </p>	
<p><b>Plastic Valves &amp; Fittings</b></p> <p>Ball, diaphragm, check, pressure, solenoid and butterfly valves</p>	

# Product Overview

<p><b>Non Return / Check Valves</b></p> <p><b>C01,C02,C04 Metal Seated Non Return Valves</b>  <ul style="list-style-type: none"> <li>• Usage potable water, waste water &amp; Sewage</li> <li>• Ductile Iron</li> <li>• 50mm - 900mm</li> <li>• PN16 - PN25</li> <li>• Available in sizes 50mm - 400mm</li> <li>• Lever &amp; Weight (C02)</li> </ul> </p> <p><b>C07 Dual Plate Check Valves <i>New</i></b>  <ul style="list-style-type: none"> <li>• Usage potable water • 50mm - 600mm</li> <li>• Ductile Iron • Spring loaded • PN16</li> </ul> </p> <p><b>402B Non Return Valve - Single or Double</b>  <ul style="list-style-type: none"> <li>• 40mm - 500mm • Ductile Iron • PN10/16</li> </ul> </p> <p><b>Nozzle, Ball, Spring Loaded Check Valves</b></p> <p><b>Blakeborough (HiCheck) Recoil High Performance Check Valves</b></p>	
<p><b>Diaphragm Valves</b></p> <ul style="list-style-type: none"> <li>• DN15 - 50</li> <li>• DN15 - 350 - Flanged</li> <li>• Cast iron, Ductile iron, Stainless steel</li> <li>• Wide range of diaphragm materials available</li> <li>• Bubble tight cut off (Class V1)</li> <li>• Cavity free design</li> <li>• Easy/low maintenance</li> <li>• In-line serviceable (top entry)</li> <li>• No stem seal leakage</li> <li>• Standard position indicator</li> </ul>	
<p><b>Solenoid valves</b></p> <p><b>Burkert, Sirai and Baccara</b>  <ul style="list-style-type: none"> <li>• Usage potable water, gas, air, steam, oil &amp; fuels</li> <li>• Size 1/8" to 2"</li> <li>• ATEX Certified if required</li> </ul> </p>	
<p><b>Valve Accessories</b></p> <p>Joint Sets          Extension Spindle, Tee Key, Support Bracket          Floor Pedestals          Valve Mounting Kits          Spool Kits          Fabricated Brackets          Chain Wheels          Gear Box's          Valve Interlocks</p>	
<p><b>Industrial / Process Valves</b></p> <p>Brass Valves          Ball Valves          Strainers          Stainless Steel Valves          Forged Steel, Cast Steel, Gate, and Checks</p>	
<p><b>Fire Protection Products</b></p> <p>Pressure Reducing, Pressure Relief, Deluge Diaphragm</p> <p>Direct Acting Pressure Reducing Valve <i>New</i></p> <p>OS&amp;Y Gate Valves, NRS Gate Valves, Check Valves Y-Type Strainer, Butterfly Valve, Electrical Switches</p>	
<p><b>Fire Hydrant</b></p> <ul style="list-style-type: none"> <li>• Underground Type 1 &amp; Type 2</li> <li>• Straight Through</li> <li>• Hydrant Standpipes with double check valves <i>New</i></li> <li>• Dorot 100 series pressure relief standpipe valve</li> </ul>	
<p><b>The Cracker <i>New</i></b></p> <p>The Cracker is a hydraulic – and patented – solution with the power to crack manhole covers open quickly.</p>	
<p><b>Actuation Service</b></p> <p>We have extensive experience in the expert selection, mounting, configuration and functional verification of a wide range of actuators. All actuated valves are fully electrically and mechanically tested by our trained engineers prior to dispatch to ensure correct operation.</p>	

# GA Valves

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