keeping industry flowing
We have earned a reputation amongst our customers for quality, service and reliability

Our extensive range of valves and actuated products enables us to solve most flow control problems. The positive attitude and enthusiasm of our team reflects our willingness to satisfy the many diverse enquiries that we receive.

Zoedale Ltd is a major supplier to many industries including Anaerobic Digestion & Bio Gas, Oil and Gas, Process Control, Brewing & Beer Metering, Food Production, Water and Medical. We also supply in to environmentally sustainable projects and include energy efficient solenoid valves in our product list. With over 20,000 stock items, prompt next day delivery is guaranteed on our standard products.

Customer satisfaction is our priority here at Zoedale and all customers, both large and small, are considered of equal importance. We encourage our customers to visit us here in Bedford and offer product training days to commissioning engineers as and when required.

Actuator & Valve Repair & Service

Ensure your Bernard Controls, Valpes and Guth / Kieselmann valves and actuated solutions are installed correctly to maximise product efficiency and lifespan whilst avoiding any unplanned costly down time...

At Zoedale, we don’t just sell valves and actuated products, we also service, repair and commission them - even if you didn’t buy them from us in the first place. It may not be the right time to buy new, so why not extend the life of your current model of actuator or hygienic valve? Or, if you have purchased a new actuated solution or range of sanitary valves, then we can be commissioned to ensure everything is set up correctly and running like clockwork.

We also offer training and demonstration services across all our brands, which can help save you money in the long-run. We will give your own on-site staff the knowledge of how to set up and trouble-shoot any actuator or valve set up queries, hopefully preventing any potential unnecessary disruptions or delays.

Our fully trained technicians are manufacturer-accredited, giving you peace of mind that you are receiving expert care. Our services can be carried out on site or on our own premises – whichever suits you best.

What’s more, our rates are extremely competitive.

Contact us today on 01234 832 832 or enquiries@zoedale.co.uk and ask for the Servicing Department.
Valves
- Quarter turn electric actuators + manual override
- Torque output 10 Nm - 2400 Nm, multi-voltage
- UL94V0 polyamide or aluminium housings & covers
- Ingress Protection IP65, 66 & IP68
- On/Off, positioning, battery failsafe, 3 position stop
- Bluetooth communication module control
- ATEX & CSA certified
- Marine specification coating on request
- Compact, low torque electric actuators also available
- Servicing, commissioning & repairs offered by Valves accredited Zoedale engineer

Bernard Controls
- Quarter turn, multi turn & linear
- Torque output 48 Nm - 810,000 Nm (with gearbox)
- Positioning/modulation control, failsafe
- Integrated local controls, intelligent non intrusive control, Fieldbus compatible communication
- Ingress Protection IP67 & IP68
- Reliable spring return technology
- Complete solutions for industrial valves & damper automation
- ATEX, SIL2, NEMA, CSA & RCC-E
- Marine specific actuators available on request
- Servicing, commissioning & repairs offered by Bernard Controls accredited Zoedale engineer

Actuated Ball Valves
- Brass, stainless steel, carbon steel & PVC
- 2 way 2 piece & 3 piece design
- 3 way L-Ported & T-Ported options
- ½" - 24" valves
- Wafer, split wafer, split body
- Pressures up to 10,000 Psi
- BSP or flanged
- WRAS, gas approved & ATEX
- Exotic materials & special designs on request

Actuated Butterfly Valves
- Cast iron body
- Liners in EPDM, NBR, FKM & PTFE
- Disc in stainless steel, aluminium bronze, coated disc
- Water & Lugged design for various flange specifications
- DN40 - DN300 (1½" - 12") as standard
- WRAS, ATEX, DVGW, RINA & GOST-R certification
- Special materials and designs on request

Using a variety of Valves or Bernard Controls electric actuators, we offer a range of electrically actuated ball valves and butterfly valves.
Pneumatic Actuators

- Double Acting or Spring Return
- Hard anodised aluminium, stainless steel, carbon steel
- Scotch Yoke design mechanism
- Temperature range -50°C - +150°C
- Standard torques 8Nm to 10,000Nm
- Heavy duty torques to 30,000Nm
- 2 stage actuation facility
- Integrated safety hand wheel option
- ATEX, SIL3, EAC certification
- Full range of control and feedback accessories available

Pneumatic Valves

Available in Double Acting or Spring Return, from 3/8” - 2” and for temperature range -10°C - +180°C.

Coaxial (VIP) valves
- Brass, nickel plated body
- FKM, NBR, EPDM seals
- Pressure to 10Bar max
- Space saving & longer lifespan
- Up to 80% less air consumption

Angle Seat (Piston) Valves
- Bronze or stainless steel
- Threaded, flanged & weld ends
- Pressure to 25Bar
- ATEX option

Actuated Ball Valves

- Brass, stainless steel, carbon steel & PVC
- 2 way 2 piece & 3 piece design
- 3 way L-Ported & T-Ported options
- 1/4” - 2” valves
- Wafer, split wafer, split body
- Pressures up to 10,000Psi
- BSP or flanged
- WRAS, gas approved & ATEX
- Exotic materials & special designs on request

Actuated Butterfly Valves

- Cast iron body
- Liners in EPDM, NBR, FKM & PTFE
- Disc in stainless steel, aluminium bronze, coated disc
- Wafer & Lugged design for various flange specifications
- DN40 - DN300 (1½” - 12”) as standard
- WRAS, ATEX, DVGW, RINA & GOST-R certification
- Special materials and designs on request

Using an Omal pneumatic actuator, we offer a range of pneumatically actuated ball valves and butterfly valves.
Valves

**Ball Valves**
- Stainless steel, carbon steel, cast iron, brass or PVC
- 2 way & 3 way design options
- Threaded and flanged ends
- Flange options in wafer, split wafer, split body
- ¼" - 8"
- Pressures to 250Bar
- Temperature range -40°C - +180°C
- Full bore, reduced bore, floating ball
- Manual handle, anti-static device & anti blowout stem options
- ATEX, AD16, GOST-R, TA-LuFT & firesafe
- Special design valves for the chemical industry & exotic materials on request
- Covering Brewing, Food & Beverage, Oil & Gas, Natural Gas, Chemicals, Water industries

**High Pressure Ball Valves**
- Stainless steel or carbon steel
- PTFE / PEEK / Master-amide seats and seals
- 2 way & 3 way
- To 10,000Psi
- ¼" - 2"
- Manual or actuated
- ATEX on request

**Trunnion Mounted Ball Valves**
- Stainless steel, carbon steel or coated steel
- 2 piece, 3 piece, split body, full or reduced bore
- ANSI 150-1500, DN50 - DN300, ATEX

**Knife Gate Valves**
- Bi Directional and Uni Directional, manual or actuated
- DN50 - DN1200, EPDM, Nitrile with Viton seals
- For general service applications in wastewater, bio gas, food & beverage, sludge handling & agriculture industries

**Manifold / Needle Valves**
- To 6,000Psi, Bar stock, Duplex/Super Duplex
- ¼" - ¾", Non rotating hardened tip
- Ideal for oil & gas, powerplants, liquids, gas, steam, hydrocarbon

**Butterfly Valves**
- Cast iron body
- Liners in EPDM, NBR, FKM & PTFE
- Disc in stainless steel, aluminium bronze, coated disc
- Water & Lugged design for various flange specifications
- DN40 - DN300 (1½" -12") as standard
- WRAS, ATEX, DVGW, RINA & GOST-R certification
- Special materials & designs on request
- Ideal for drinking water, gas, food
- For our hygienic butterfly valve range, please refer to p.11-12
**Product Preview**

**Hygienic Products**

### Hygienic Butterfly Valves
- 304/316 stainless steel 1" - 6"
- RJT, Clamp, Weld/Plain Ends
- Standard & Intermediate hygienic butterfly valves
- Manual pull or notched levers
- Air actuated with control head option

### Hygienic Ball Valves
- ½" - 4" 316 stainless steel
- To 1000Psi pressure
- 2 way, 3 way, T ported options
- Manual or Air actuated

### Leakage / Mixproof Valves
- 316 Stainless steel
- 1" - 6"
- Double seat or double butterfly
- Mixproof for safe media separation
- Manual or Air actuated

### Non Return Valves
- 304/316 stainless steel, ½" - 4"
- Prevent back-flow of fluids in pipes
- Manual or Air actuated

### Diaphragm Valves
- Manual or pneumatically operated
- ¼" - 2", EPDM, FPM, VMQ seals
- Weld & Clamp End options
- For flow control & open/close duties

### Sampling Valves
- Pneum’s II Type, stainless steel
- 0°C - +100°C, 6Bar
- NW6 - NW10, ⅜" - ½"
- For clear / viscous liquids from Group 2
- Food, chemical, pharma & biotechnology

### Pumps
- Centrifugal pumps by CSF & Inoxpa
- Stainless steel
- Flow rates up to 300m³/h
- Operational pressure to 10Bar
- Ideal for breweries, dairies, food & beverage and chemical plants

### Flow Meters
- Liquid turbine flow meter
- LCD display
- 33/l min - 433/l min flow range
- RJT or Clamp, ½" and to 2½Bar

### Bench Scales
- Waterproof, IP68
- Stainless steel
- 40 hour battery life
- Ideal for craft brewers

### Site Glasses
- Inline & Tank, Pressure to 10Bar
- 3/8" - 6"
- Breweries, pharma, cosmetic & beverage

### Accessories
- Spray balls
- Clamp fittings
- RJT & Weld fittings
- Replacement seal kits for all valves
- Pipe clips
- Pipe elbows
Solenoid Valves

Sirai

General Purpose Valves - Suitable for the control of water, air, steam and all non-aggressive fluids and inert gases. Direct Acting, Assisted Lift, and Pilot Operated designs are all options available. The valves are manufactured in brass and stainless steel, in 2/2 (two way) normally open or closed and 3/2 (three way) configurations in sizes from 1/8" to 2" BSP or NPT. Available with EPDM, Buna and Viton seals.

Total Isolation (Dry) Valves - Suitable for the control of aggressive media and/or non-contaminated fluids. The media is only in contact with the valve body and isolation lever or diaphragm, so is protected from chemical and metallic contamination. The valves are produced in 2/2 (two way) normally open or closed and 3/2 (three way) configurations.

Pinch Valves - The valve's pinching device is moved by the solenoid operator and controls the fluid by pinching or releasing a soft silicone tube, allowing flow in either direction without turbulence or dead spaces. The pinch valves can control all fluids compatible with the tubing material, protecting from contamination & changes in temperature. Produced in 2/2 (two way) normally open or closed and 3/2 (three way) with replaceable tubing, ideal for various applications in the medical and food industries.

Micro Valves - Small low power valves that can control a variety of non-aggressive liquids and gases. They are produced in 2/2 (two way) normally open or closed and 3/2 (three way) configurations and can be customised to specific materials for manufacture and specific performance capabilities, to suit many complex requirements.

Solenoid Coils - Spade terminal replacement coils available for all Sirai solenoid valves. Available in voltages 24v - 240v/50Hz and 12vDC or 24vDC in Class F (155°C) and Class H (180°C).

Peter Paul

- Stainless Steel, Brass, Aluminium 1/8" - 3" 2/2 Normally Closed, Normally Open & 3/2 valves
- Buna, FKM, EPDM, Kalrez, PTFE, Neoprene
- Pressures up to 3000Psi
- Low watt, high pressure explosion proof
- UL & CSA approved
- 45 years of engineering excellence
- Technical experts in customised projects

Banico Controls

- Gas solenoid valves Class “A” EN161 approved
- Additional sample ports as standard
- BSP 2/8" - 3" or flanged 65mm - 200mm
- Automatic & manual reset
- Slow opening & manual reset with lights
- Closed Position Indication Switches, Interlock System Packs & Gas Detection Sensors available on request