



SUPPLIERS OF ACTUATORS, VALVES AND ACTUATED VALVE ASSEMBLIES

### **Actuation**

The vane type actuator and clock spring provide a cycle lifetime up to 4 million cycles. Very fast operating speeds can be achieved. Air usage per cycle is significantly less than many actuators of equivalent torque.

### **Double Acting**

With only one moving part the Kinetrol actuator offers the simplest and most reliable mechanism for quarter turn rotary actuation.

- Torque range 0.7Nm to 31,995Nm (at 5.5 bar)
- Single moving part
- No cranks or gearing
- Easily adjustable standard end stop (80° to 100°)
- Available with blue FDA approved coating
- Long maintenance free life
- Low air consumption





**Positioners** 



**Switchboxes** 



**FDA Coating** 



Electric

### **Spring Return**

The totally enclosed clock spring design is unaffected by corrosive atmospheres and does not suffer from torsion stresses.

- Torque range 1.8Nm to 14,558Nm (end stroke)
- Low torque loss throughout travel
- Sealed non-breathing grease packed unit
- Guaranteed for life of the actuator
- Available ISO/DIN female drive and mounting
- Reliable low stress range clock type spring

### Certification





















# **Butterfly Valves**

The series 900 ABO valve is suitable for many applications.

- Water & Waste
  Dry Bulk
  Light Slurry
  Paper
  Food & Beverage
  HVAC

The robust lockable lever with notch plate provides regulating and a means of securely locking.

### **Centric Rubber Lined Valves**

- European Manufacture
- Robust lockable lever with notch plate
- Sizes up to 1600mm
- 16 bar rated up to 600mm
- Body/disc/seat option to suit application
- Wafer or lugged
- Temperature range -25°C to 150°C
- Test to EN12266-1, ISO5208, API598, ANSI/FCI 70-2







**Triple Offset** 



**Damper Valve** 



**Double Flanged** 



### **High Performance Butterly Valves**

- Double and Triple offset design
- Wafer, Lugged, Double Flanged
- Seat options, PTFE, RPTFE, Metal, Firesafe
- Sizes up to 600mm
- Temperatures up to 500°c
- Pressures up to 50 bar
- Leak test to EN12266-1, ISO5208, API598
- Fire safe option to ISO10497, API607
- Optional TA luft available



# Ball Valves / Plug Valves

1 piece, 2 pieces and 3 piece ball valves, manually operated or suitable for actuation, available from stock. Also available to suit applications.

- Seat options including PTFE, TFM, RPTFE, PEEK
- Cavity filled valves
- Flanged/BSP/NPT/SW/BW/Ext.BW
- Metal seat/hard chrome plated ball valves
- V ball control valves
- Ball segment valves
- Floating ball/trunnion design
- 3-Way / multiway also available







**Ball Segment** 



V Ball



Sleeved Plug



## **Atex Assemblies**

In compliance with ATEX directive 2014/34/EU, actuated valves are supplied as a single unit with a single declaration of conformity for each assembly.

In accordance with the latest standards BS EN ISO 80079-36/37, each assembly undergoes a full conformity assessment and is supplied with:

- Actuated valve declaration of conformity
- Ancillary equipment declaration of conformities
- Actuated valve instructions for safe use
- Individual equipment IOMs
- GA Drawing with parts list (upon request)
- Functional test certificate (upon request of customer)

Each assembly has a stainless steel tag which states:

- The actuated valve part number
- Unique serial number
- The full ATEX rating of the actuated valve
- The maximum allowable ambient temperature
- The maximum allowable media temperature
- The minimum allowable travel time

Each assembly undergoes an individual assessment dependent upon media conditions and the operating restrictions may vary from one assembly to another. The restrictions are designed to suit the specific application at the time of enquiry.

# **Dashpots**

## **Continuous Rotation and Vane Dashpots**

- Vibration damping
- Speed control
- Shock absorption
- Slipping drives
- Mechanical delays





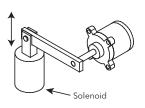
### **Vane Dashpots**

The vane dashpot is a displacement damper. As the vane on the shaft rotates between fixed vanes on the body, silicon fluid is displaced through controlled clearances from one side of the vane to the other.

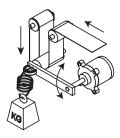
## **Continuous Rotation Dashpots**

Continuous rotation dashpots give viscous damping by shearing thin layers of silicon fluid between the concentric surfaces of a rotor and a fixed stator.

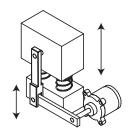
Solenoid Damping



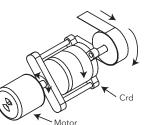
Tension Roller Damping



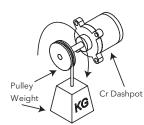
Damping Anti-vibration Mounting



Driving Take Up Reel



Control of Descent



Available online at kinetrol.com/store.html

# **Solenoids**

A selection of 5/2, 3/2 NAMUR & Inline Solenoid Valves are available in various sizes and materials to suit customer specifications.

Safe area & ATEX options available:

- EExia Intrinsically Safe for Zones 0, 1, 2, 20, 21 and 22
- $\bullet~$  EExd Explosion Proof for Zones 1, 2, 21 and 22
- EExme Encapsulated for Zones 1, 2, 21 and 22
- EExnA Non Sparking for Zones 2 and 22



**Inline Stainless** 

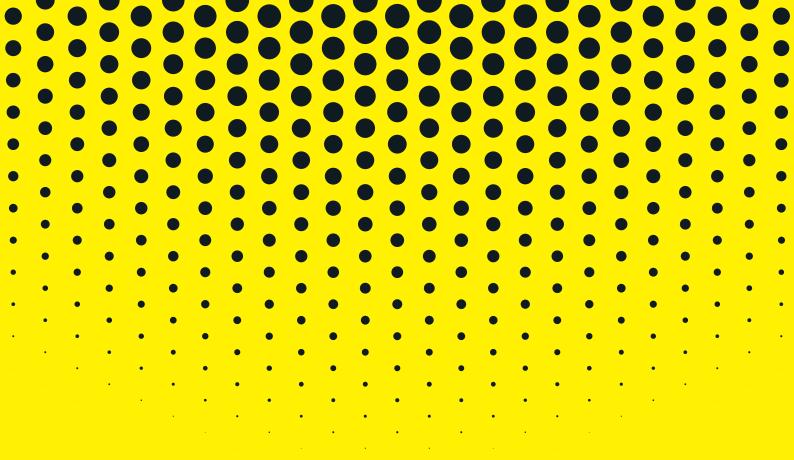


Namur Mount









Based in Wolverhampton, we hold large stocks of Kinetrol products. We also have in stock a range of ball valves and butterfly valves to meet the everyday demands of the process industry.

Using the Kinetrol actuator, we can provide actuated valve assemblies for most applications, sourcing the most appropriate valve for the application.



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