

# VALVE & ACTUATOR PRODUCTS

**Ball Valves**

- 15 mm to 150 mm
- Industrial Strength
- Equal Percentage Trim
- High Turndown

**Damper Actuators**

- Easy Installation
- Mounting Accessories Available
- Jumper Selectable Features

**Butterfly Valves**

- 50 mm to 300 mm - In Stock
- Full Lugged Bodies
- Bubble Tight Shutoff
- Aluminium Bronze Discs/ EPDM Seats

**Retrofit Linkages**

- Globe Valves
- Butterfly Valves
- Select Ball Valves
- Economical Solution

**Globe Valves**

- 15 mm to 150 mm
- Industry Standard
- Screwed/Flanged Operation

[www.eps Ltd.co.uk](http://www.eps Ltd.co.uk)

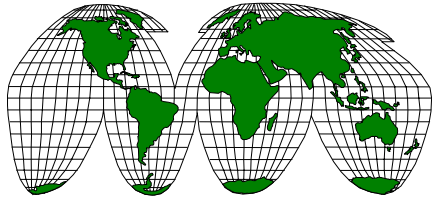
**ONE STOP  
VALVE & ACTUATOR CENTRE**



**ENVIRONMENTAL PROCESS SYSTEMS LIMITED**



# CONTROL VALVE GENERAL APPLICATIONS



EPS operational and field experiences gained throughout the world resulted in the development of a wide range of line components and control valves to satisfy all type of HVAC and Refrigeration applications.

A wide range of line components are developed from our operational field experiences as well as a wide range of in-house technologies from SlurryICE systems to Tyfo range low temperature secondary refrigerants to satisfy almost any HVAC & Refrigeration applications.

## BALL VALVES

Delta range has taken this industrial strength valve and has complimented it with a quarter turn, direct coupled actuators creating the most versatile, easily maintainable, and reliable valve assembly for the HVAC & R industry.

**2-way** and **3-way** ball valves offer **equal percentage** and **linear** flow characteristics respectively. Both valve ranges offer self cleaning, spring return, visual position indication, low power consumption and manual override features from **15 mm** to **50mm** range.



## GLOBE VALVES

Globe valve's stem up, stem down plug control has been proven to be dependable in systems throughout decades of design.

**2-way** and **3-way** globe valve offer industry standard **equal percentage** and **linear** flow characteristics respectively.

Both valve ranges offer characterised throttle plug, spring loaded TFE packing, spring return, visual position indication, low power consumption and manual override features from **15 mm** to **150mm** range with both screwed and flanged options.

Standard globe valve can be used for steam applications up to 1 Barg.

## GATE VALVES

Butterfly valves are considered to be a common type of rotary valve used in industry. This valve offers a simple design complemented with good flow characteristics and a competitive cost.

Our Standard range of **2-way** and **3-way** butterfly valves can be used in numerous applications with proper selection of disc and seat.

A combination of Aluminium Bronze and Stainless Steel discs and EPDM, Buna-N or special elastomer seat materials offer application ranges up to 121 °C and 3.45 Barg positive shut off of flow in either direction.

Both types are economically priced and they offer high capacity with characterised throttle plug, spring loaded TFE packing, spring return, visual position indication, low power consumption and manual override features from **50 mm** to **300mm** range for mixing/diverting and on/off applications.







# COMMISSIONING & SERVICE LINE COMPONENTS



Alongside our control valves, our standard range of line components for chilled water, heating and steam circuits enable us to offer **One Stop Shop** for any HVAC & Refrigeration fluid applications.

- Isolating Valves : 15 mm ~ 300 mm**
- Check Valves : 15 mm ~ 300 mm**
- Flexible Connections up to 65 Barg**
- High Pressure Valves up to 500 Barg**
- Strainers : 15 mm ~ 300 mm**
- Drain / Vent Valves**
- Commissioning Valves**



We offer a wide range of products from steam traps and pressure reducing valves to expansion joints and vessels. We pride ourself on the right material selection for the right application to achieve a cost effective installation.

Our flexible product range together with our well trained in-house sales team allow us to mix and match various types of material to provide a safe, reliable and cost effective solution to any of your process fluid applications.

Our standard valve actuators can also be used as damper actuators. A number of fitting kits are available to suit almost every make of damper design. We are also specialised in retrofit actuator kits and for existing damper replacement and upgrading applications.



# CUSTOM MADE RETROFIT VALVE LINKAGES

Pneumatic valves and systems have been used for control for the past several decades. With the dawn of electronic actuation coupled with newly advanced building automation systems, it only follows that many of these systems are now partially or completely upgraded to satisfy the new close control demands.

**Retrofit made as easy as 1-2-3**

The most practical and cost effective retrofit option is to retain the existing globe or ball valve bodies. EPS simple adapter kit together with a custom-made actuator conversion kit offers cost effective, quick and easy conversion solution to achieve this aim.

## FEATURES

- \* Low cost
- \* Simple installation
- \* Manual override.
- \* Spring return.
- \* Globe valve conversions up to 150mm.
- \* Butterfly valve conversions up to 500 mm.
- \* Full cross reference chart for easy selection.
- Custom-made adapters for every make of valve.
  - \* On/off or 0~10 VDC / 2~20 mAmp modulation control options.
- \* Compatible with every make of BMS system.
  - \* Visual valve position indication.
  - \* Positive position feed back.
  - \* Low power consumption.



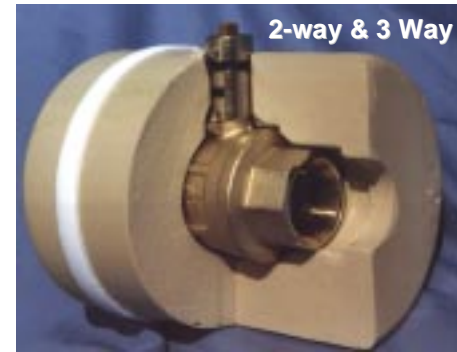
**No matter which make or model, we have one retrofit link for you.**





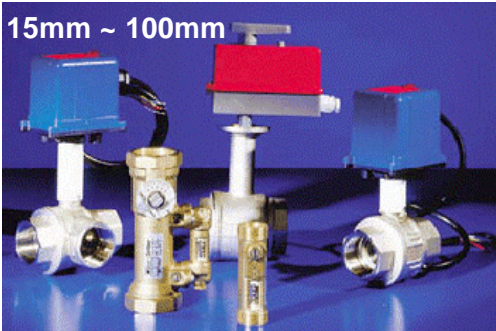
# REFRIGERATION VALVES DOWN TO - 40 °C

- \* Special body and seat material together with extended non-metallic spindle offers unmatched reliable low temperature operation.
- \* Soft closing action overcomes water hammer problems.
- \* Full bore ball construction offers almost twice the kV value for identical size in comparison with conventional ball valves and as a result the pressure drop across the valve can be reduced significantly.
- \* Actuators for 110 / 230 / 24 VAC supplies complete with position indication and internal anti-condensation heaters.



\* **2-Way** and **3-Way** ball valve ranges between **15 mm and 100 mm**

- \* Designed for screwed connection for leak free operation.
- \* On/off positive shut-off or divert / mixing operation.
- \* Low power consumption.
- \* Optional 55mm pre-moulded insulation boxes.
- \* Suitable for most commonly used Secondary Refrigerants like **Tyfoxit, Hycool, Pekasol, Temper, Glycols** and others.



15mm ~ 100mm



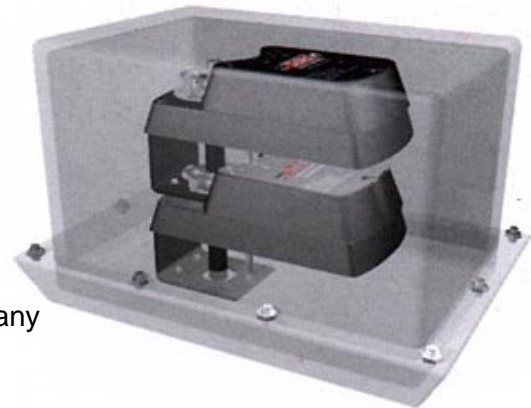
# VALVES & ACTUATORS OPTIONAL PRODUCTS

EPS offers a number of controller options suitable for all our valve range to suit any on/off or modulating controller for the HVAC & R applications. They can be factory fitted and tested to suit the site needs for any application.



Optional unique custom-moulded **weather-shield** offers trouble free outside operation for many years to come for all our valve range.

Pre-moulded insulation boxes for all our valves save time and costly site insulation for heating and cooling circuits to suit almost any temperature range.



## TECHNICAL SUPPORT

Full design and selection support is available to assist in proper selection for both new design and retrofit applications.

A computer selection programme and a full product CD is available as part of our customer support. Our sales team would only to be happy to provide you with right selection and cost advice.

Full technical product data and material sheets are available for individual products, please consult our technical sales team for your specific application or visit our web site [www.epsltd.co.uk](http://www.epsltd.co.uk).

For additional information contact:

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