

# Ideal Solution for Process Control Applications

eVALV™



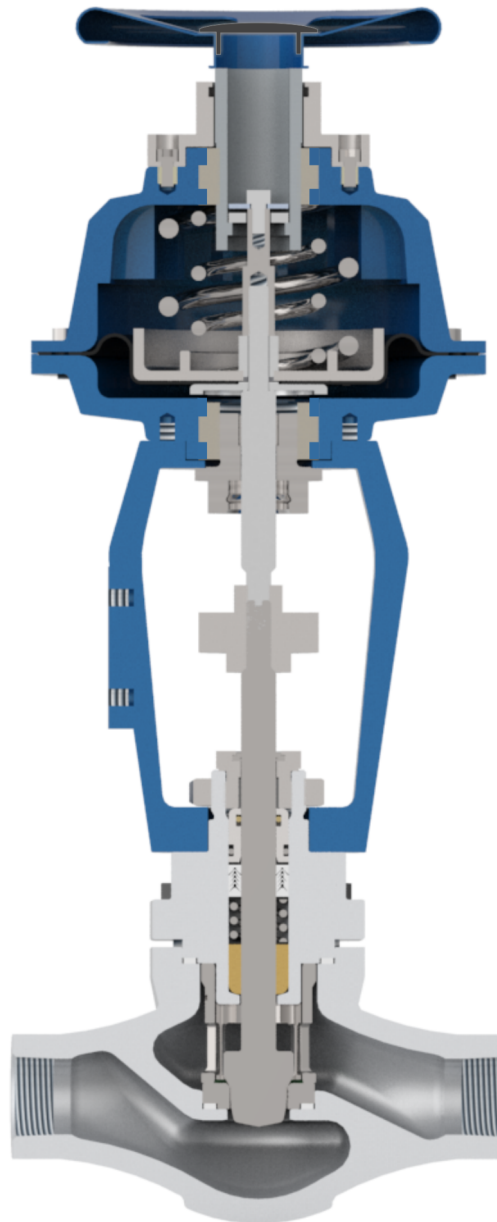
# eVALV™

The Forbes Marshall control valve, the eVALV™ (**patent pending**), is a versatile solution that meets varied process control applications.

Our control valves are custom engineered to provide precise process control with a quick response.

Forbes Marshall control valves have a robust and compact construction. They are built to the highest quality standards with low cost of ownership.

## Cut Section of eVALV™



## Features, Benefits and Media Applications

### Features

#### Self aligning guided bonnet

- Ensures perfect alignment of plug to the seat
- Ensures high levels of accuracy and repeatability

#### Self adjusting floating seat with plug

- Avoids seizure of internals and joints and ensures reliability of performance




#### Chevron stem packing

- No offline leakage

#### Friction welding of plug and valve stem

- No damage due to vibrations

### Benefits

-  Precise temperature control
-  Optimised and sustained productivity
-  Controlled utility consumption

### Media



Steam



Water / Liquid

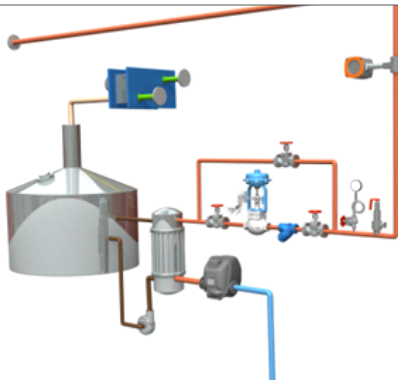
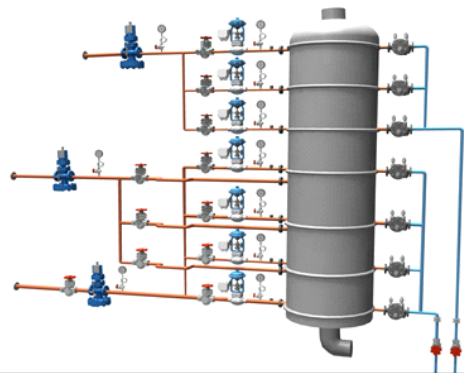


Gases

## Typical Industry Applications

### De-solventing Toaster(DT)

Optimum temperature control for DT leads to reduction in hexane loss and improvement in quality of deoiled cakes with better specific fuel consumption.

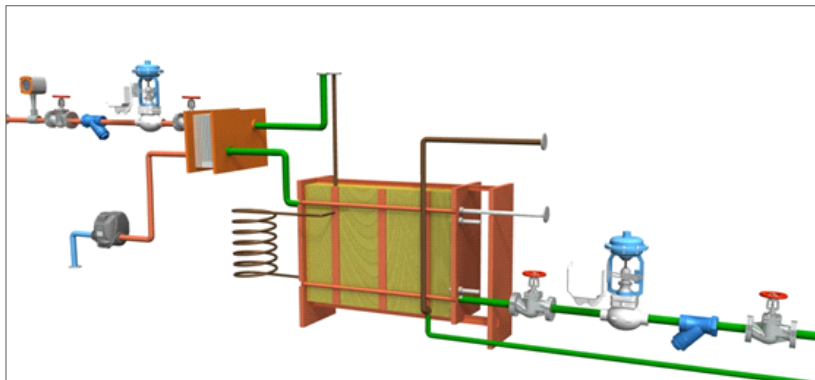
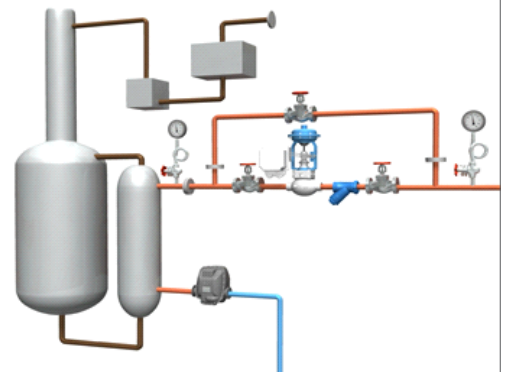


### Brew Kettle

Correct temperature control leads to optimised process ramp up modulation. This results in optimum colour and taste of beer through proper evaporation control.

### Solvent Recovery Process

Accurate temperature control optimises the reflux ratio and solvent evaporation leading to reduced steam consumption.

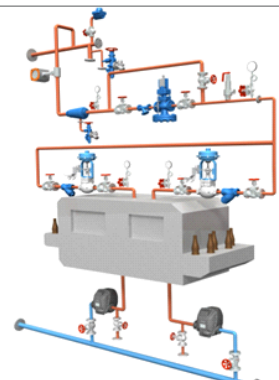


### Pasteuriser

Rework and rejection eliminated through accurate control of critical pasteurisation temperatures.

### Bottle Washer

Precise temperature control of soaks in bottle washer ensures proper cleaning of bottle and helps to maintain the desired thermal gradient avoiding bottle breakage.



## Industries



Beverage & Brewery



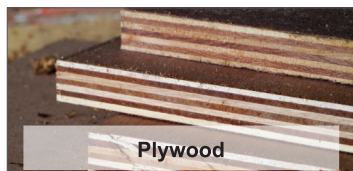
Chemicals



Paper



Pharmaceuticals



Plywood



Rice



Solvent Extraction



Textiles

## Customer Speak

"Forbes Marshall's temperature control solutions for de-solventiser toaster and cooker have helped us to achieve superior quality DOC."

**Edible Oil Industry Major**

"PID based temperature control system from Forbes Marshall has helped us to improve upon the product quality and efficiency (wort recovery) by precise temperature control and monitoring."

**Global Brewery Plant**

"After conversion from our manual system to Forbes Marshall's automatic temperature control system, we are able to maintain precise zone wise temperature in pasteuriser ensuring product quality."

**Beverage Industry Giant**

"Forbes Marshall's PID control valves on our fluidised bed dryers (FBD) ensure optimum temperature regulation of air, thus ensuring perfect product quality."

**Leading Pharmaceutical Plant**

"Forbes Marshall's PID control valves on dryers have ensured precise adherence to the ramp and dwell profile and reduced steam consumption by 1.5%, also eliminating manual intervention."

**Leading Rice Mill**

Contact a Forbes Marshall depot for direct and rapid supply of products and genuine spares.  
Write in to [fmdepotenquiry@forbesmarshall.com](mailto:fmdepotenquiry@forbesmarshall.com)



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