

# FlowCon E-JUST



## The Externally Adjustable Dynamic Balancing Vavles

The FlowCon E-JUST is a range of automatic flow inserts which ensures that design flow will not be exceeded regardless of pressure fluctuations in the system.

Each E-JUST includes a rolling diaphragm which sets the inner pressure (P2) in reaction with inlet pressure (P1) which is let to the top of the diaphragm via a built-in capillary tube. Interacting with the insert spring, P1-P2 remains constant, keeping a constant  $\Delta P$  across the orifice areas. This results in a constant flow rate through the valve, independent of system pressure changes.

The E-JUST is factory pre-set to setting 4.2, but can be adjusted from 1.0 to 5.0 providing 41 unique settings, but as setting is stepless any flow between lowest and highest setting is possible. Adjustment is easily done with a special key and setting can

be done before delivery to site, along with on-site installation, after installation in the valve housing or even during live operation offering a extremely flexible flow limiter.

- Dynamic balancing - 100% pressure independent - securing design flow automatically.
- Field adjustable allows max.flow setting to be changed on demand.
- Simple maintenance due to insert design - allows service or replacement of the insert without removing the valve housing from the installation.
- "Sealed" setting - top cap and special key protect against tampering.
- Easy solution to designers, installers and end-users - due to its flexibility and user-friendly setting.

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### Automatic Balancing Valves (ABV)

The FlowCon E-JUST is an external adjustable dynamic balancing insert which is used to limit the flow rate in either heating or cooling installations to required design flow.

Size: DN15-50 / 1/2"-2".

Max. operational  $\Delta P$ : 400 kPaD / 58 psid.

Flow range: 0.0278-4.48 l/sec / 0.440-70.9 GPM.

Media temperature: -20°C to +120°C / -4°F to +248°F.

Static Pressure: 2500 kPa / 360 psi.

### Housings

The FlowCon E-JUST insert can be used with the following FlowCon housings:

- FlowCon A - DN15-25 (1/2"-1"), F/F threaded
- FlowCon AB - DN15-50 (1/2"-2"), F/F threaded
- FlowCon ABV - DN15-40 (1/2"-1 1/2"), double union end.

### E-JUST Inserts

The range covers six 20 mm / 3/4" inserts in high or low  $\Delta P$  as well as one 40 mm / 1 1/2" and one 50 mm / 2" insert.

Color coding of the E-JUST makes it simple to identify type and thereby convert setting to flow simply by looking at the insert (=size), the top cover, spindle O-ring, and bottom color (=E-JUST color) as well as the pointer color (=  $\Delta P$  range).

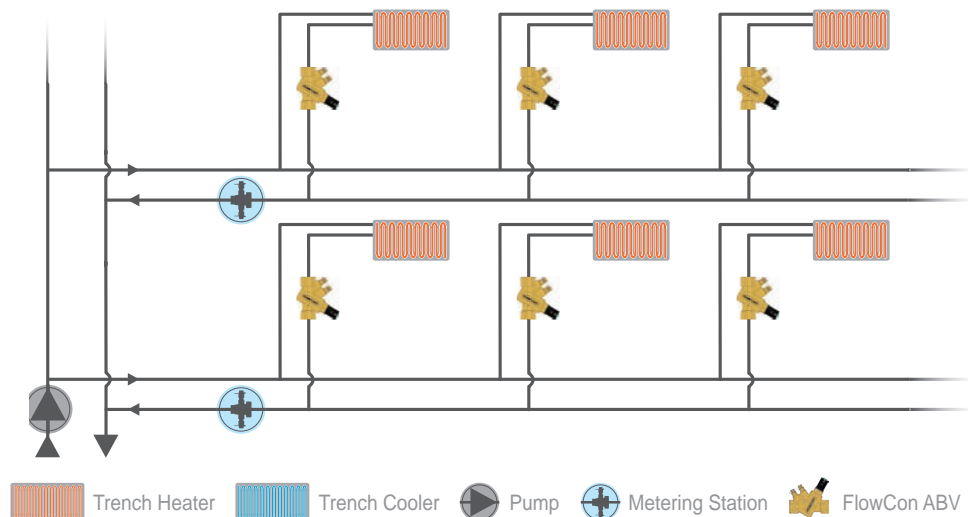
### Applications

Heating or cooling, up to 100% Glycol mixture.

For further information visit [www.flowcon.com](http://www.flowcon.com)

### Application Example

Trench Heaters with Automatic Balancing Valves (ABV).



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