Automatic Balancing Valves
Flow Regulator, strainer, two unions

Engineering GREAT Solutions
Automatic flow regulator, two unions and a ball valve assembly with three accessory port locations. A 20 mesh stainless steel strainer is removable from the valve body for inspection and cleaning without breaking the main piping. Unit is factory set to automatically limit the GPM to within 5% of the specified amount and the flow cartridge is removable from the valve body to provide access for GPM changes and inspection. Ball valve can be placed in either inlet or outlet side of valve body. The unions have an EPDM “O”-ring and are available with MPT, FPT or SWT (female) ends.

**Key features**

> **Flow Limiting**  
No wasted pumping

> **Combination Valve**  
Two unions, regulator and shut-off in one

> **Ball Valve**  
Can be placed in either inlet or outlet side of body

> **+/− 5%**

**Technical description**

**Application:**  
Hydronic Balancing

**Functions:**  
Flow regulator, unions and shut-off

**Dimensions:**  
½” - 1

**Rating:**  
400 psig at 250° F

**Pressure range:**  
2-32 psi or 5-60 psi

**Accuracy:**  
±5%

**Material:**  
Body: Forged Brass  
Flow cartridge: Series 300 stainless steel wear surfaces with stainless steel spring  
Strainer: 20 mesh stainless steel  
Ball valve: Chromium-plated ball, adjustable packing gland & nut, reinforced PTFE seat & stuffing box
Flow Rate

<table>
<thead>
<tr>
<th>psid Range</th>
<th>Flow Rate (gpm)</th>
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<tbody>
<tr>
<td>2 - 32</td>
<td>0.5, 0.75, 1.0, 1.25, 1.5, 1.75, 2.0, 2.25, 2.5, 3.0, 3.5, 4.0, 4.5, 5.0, 6.0, 7.0, 8.0</td>
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<tr>
<td>5 - 60</td>
<td>1.0, 1.5, 2.0, 2.5, 3.0, 4.0, 5.0, 6.0, 7.0, 8.0, 9.0, 10, 11, 12</td>
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Articles

Options Available

Option w/ Locations
Use for options that require specified locations.
Dual P/T’s in Ports 1 & 2 and Hose End drain in Port 3

Connections
Ball valve end first. See specifications for available connections. Female Sweat X 3/4" Reduced Female Sweat Shown.

Options
Use for options that have specific locations.
Metal I.D. Tag Shown

KYL100 - FS / 3/4FS - DP1&2, HN3 - MI - 7

GPM 7 GPM Shown

Model Size
1" Low Flow KY Shown

FS = female sweat
MS = male sweat
MT = male thread

Notes
Dimensions based on FPT X FPT connections and will vary with mixed options/connections. All weights and dimensions given are in pounds and inches and are subject to minor changes. Cvs based on component body without flow regulator. For pump head calculations, add the cartridge pressure drop to the calculated drops for other components.
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