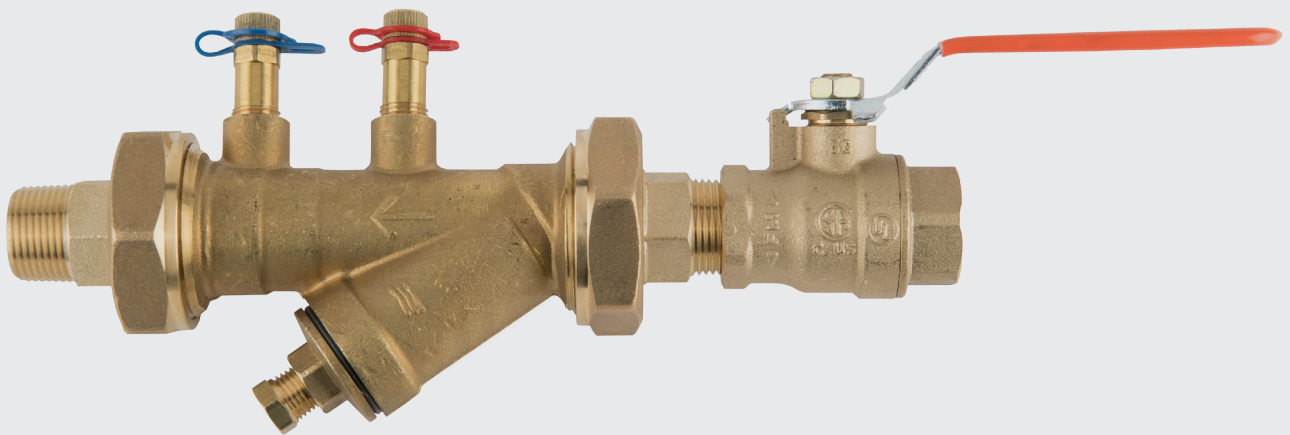


KY



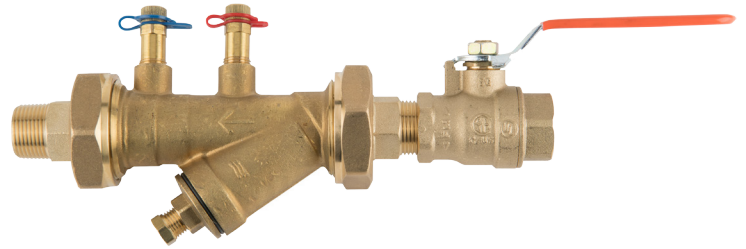
Automatic Balancing Valves

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:

1/2" - 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

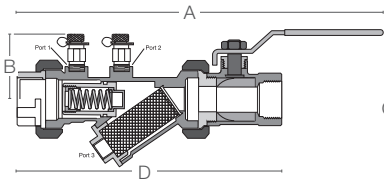
Strainer: 20 mesh stainless steel

Ball valve: Chromium-plated ball, adjustable packing gland & nut, reinforced PTFE seat & stuffing box

Flow Rate

psid Range	Flow Rate (gpm)
2 - 32	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
5 - 60	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

Articles



Dimensions

Model	Size	A	B	C	D	Weight	Cv	Kv	Cartridge Pressure Drop	
									2-32	5-60
KY050	1/2"	10.25	2.25	4.00	8.50	2.97	6.8	5.9	2 psi	5 psi
KY075	3/4"	11.38	2.25	4.00	8.88	3.31	10.7	9.3	2 psi	5 psi
KY100	1"	12.50	2.25	4.25	9.25	4.07	12.2	10.6	2 psi	5 psi

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.

Options Available

Model Size
1" Low Flow KY Shown

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

GPM
7 GPM Shown

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

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

L = low flow (2-32) H = high flow (5-60)
FS = female sweat MS = male sweat MT = male thread

Options Available

- AV** Manual Air Vent
- DX** Ext. P/T Ports
- EH** Extended Handle
- HN** Hose End Drain
- PI** Plastic ID Tag
- PL** Plug
- SE** Stem Extender
- T4** 1/4" F Tap
- PP** ProPress®

