

811 calflow[®] plus

flow regulating ball valve



altecnic

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Design

Combined into one valve body are a ball isolating valve, a strainer and automatic flow regulating valve, saving assembly time and space.

Flow regulation is achieved by pre-selecting the appropriate automatic flow cartridge to maintain a constant flow of water to a tap, mixer, shower or thermostatic mixing valve.

By pre-selecting the flow cartridge to match the desired flow from the outlet, savings in water consumption are easily achieved.

Features

The main benefits of the Calflow[®] Plus when used in hot, cold and mixed water supply pipes are;

- Isolation of outlet fittings should maintenance be required at some time in the future and when the strainer element requires cleaning.
- The generously proportioned strainer element collects debris without continually becoming clogged and restricting the water supply.
- The automatic flow cartridge allows a continuous and constant flow of water at the desired flow rate and prevents overflow from occurring.
- The flow cartridge is easily replaced.

Construction Details

- The body is constructed from brass with compression ends complying with BS EN 1254-2*.
- The cartridge is made of high resistance polymer to withstand a wide range of temperatures.
- 316 austenitic stainless steel strainer screen.
- Ball valve with PTFE seals for reliable isolation.
- Hard chrome plated ball for increased wear resistance.
- Nitrile rubber 'O' ring seals.

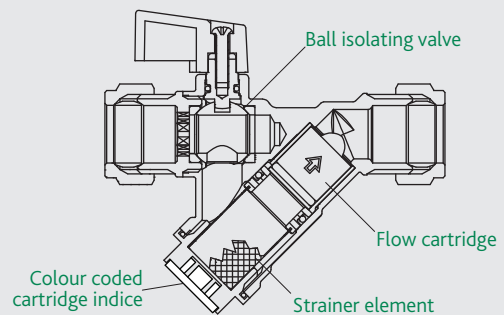
Calflow[®] Plus

By selecting the appropriate cartridge significant savings in water consumption can be achieved.

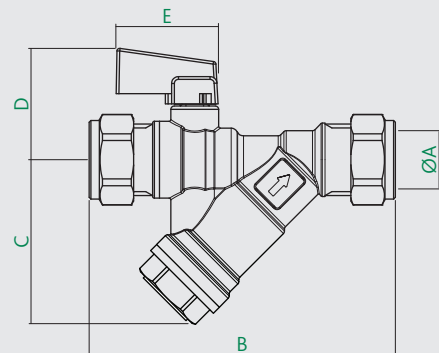
Used in conjunction with timed or electronic taps, controllers and showers additional savings can be achieved.

Product Code	Flowrate	Colour	Typical Application
AI-811215**			15mm valve body only
04	4 l/m	grey	Basin tap, pillar or mixer
06	6 l/m	black	Basin tap timed, electronic
08	8 l/m	white	Timed shower
10	10 l/m	blue	Thermostatic shower
12	12 l/m	red	Shower, bidet, kitchen tap
15	15 l/m	green	Shower, kitchen tap
18	18 l/m	grey	Bath G ³ / ₄ , kitchen tap

Features



Dimensions



Prod Code	A	B	C	D	E	kg
AI-811215**	15	90	47	33	30	0.21

Technical Data

Max. static pressure:	15 bar
Max. body inlet pressure:	10 bar
Max. inlet pressure inc flow regulator:	2 bar#
Maximum working temperature:	85°C
Start up differential pressure:	15 kPa
Differential pressure range:	15 to 200 kPa
Strainer mesh size:	400 µ - 0.4 mm

Installation

The Calflow[®] Plus is very simple to install with just two compression joints to make.

The flow through the valve must follow the direction of the arrow on the valve body.

The valve should be installed with the ball valve lever upper most for maximum efficiency of the strainer.

Sufficient clearance must be allowed for removal of the strainer cap (20mm A/F) and removal of the strainer element for cleaning.

Maintenance

The only recommended maintenance is that periodically the strainer element is removed and cleaned.

* Use with R250 (half hard) copper tube

For pressures above 2 bar a pressure reducing valve may need to be installed

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