

AB-QM™ Pressure Independent Balancing Control Valves (or PIBCVs)

# Achieve Simple, Affordable, Comfort with easy, energy saving AB-QM™.



## What is AB-QM™?

AB-QM™ is a PIBCV that controls hydronic system flow, to match the load, continuously balancing the system, under pressure changes.

**PIBCV**  
**3 IN 1**  
**Design** **CONTROL**  
**BALANCE**  
**FLOW LIMITATION**

## Unique Design

The exclusive AB-QM™ globe valve design incorporates a pressure independent **control** & a differential pressure regulator, that absorbs changing building pressures, constantly **balancing**, & establishing a high **flow limitation** through the valve. See it in action here: [bit.ly/ABQMflow](http://bit.ly/ABQMflow).

## Typical Applications

- Variable air volume boxes or VAVs
- Fan coil units or FCUs
- Hot / cold water coils
- Chilled beams / Terminal units



Response to pressure & temperature:  
**NO DELAYS**

## Easy Selection

Simple to set & size:  
**NO COMPLEXITY.**



## System Stability



Control valve authority:  
**NO HUNTING**

Unlike traditional valves in variable flow systems that waste energy by constantly opening & closing, AB-QM™ valves were specifically designed for pressure fluctuations, providing **stable & accurate** flow control, eliminating overflow, increasing Delta-T ( $\Delta T$ ), & reducing inefficiency.

## Benefits

**Pumping** - reduced overflows allowing the pump to run on lower speeds.  
 **$\Delta T$  to Chiller** - improved  $\Delta T$  of installation, increased chiller efficiency.  
**Temperature Setting** - precise and accurate control, allowing ideal comfort.



The end result:  
**ENERGY SAVINGS & COMFORT.**



Pressure independent control excellence from the global market leader for over 30 years.

Learn more at:  
[ABQMvalves.com](http://ABQMvalves.com)