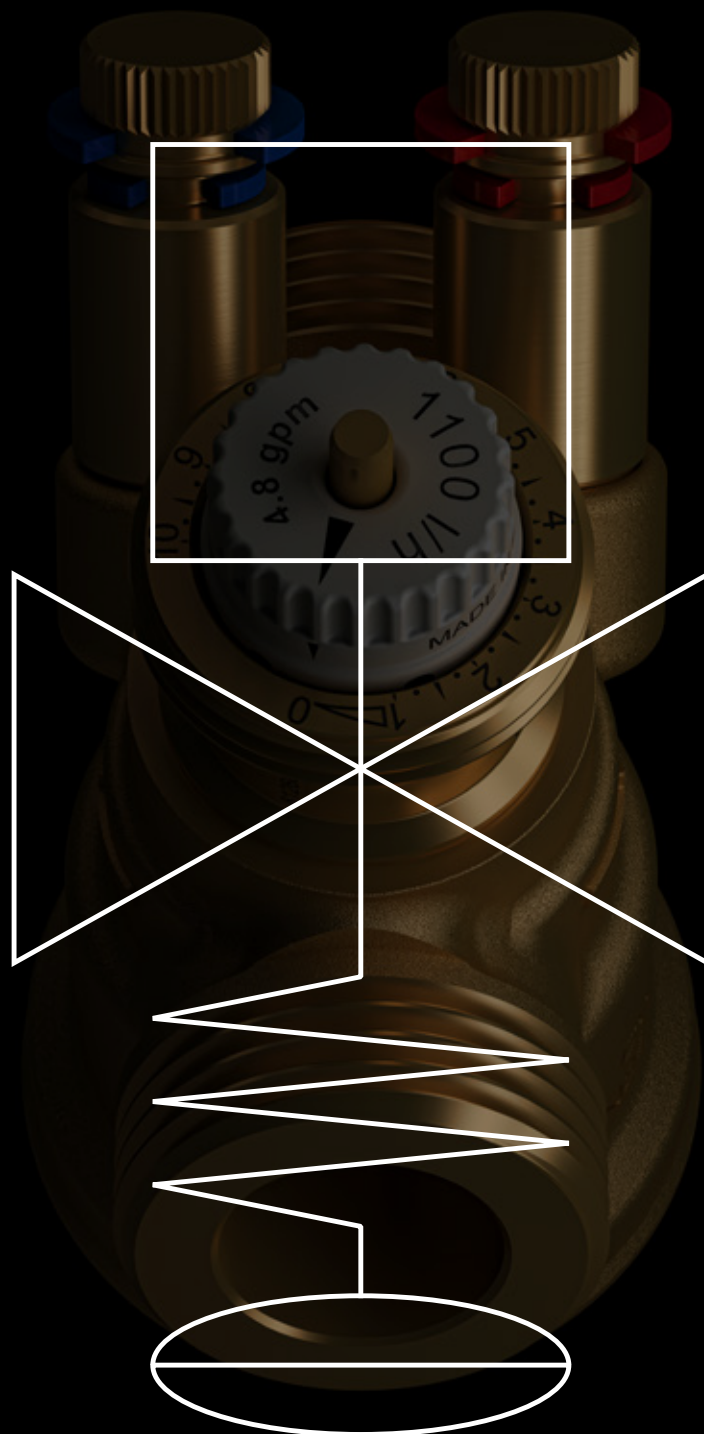


Hydronic Balancing and Control | AB-QM 4.0

# We created PICVs now we redefine the value

Danfoss AB-QM Pressure Independent Control Valves (PICVs) changed the way Terminal Units in HVAC systems are controlled. Now we are proud to announce AB-QM 4.0 as its successor. It is better in every possible way.

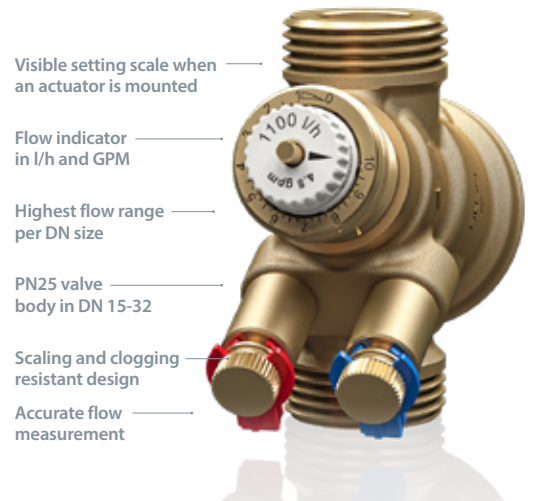


**4**  
areas of PICV  
excellence

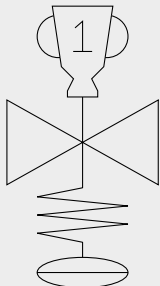
# Engineering HVAC 4.0 for smart buildings

Digitalization changes the way we live, work, and interact. As result it also changes the way HVAC systems are controlled. The trend to develop smart buildings changes the requirements to a buildings heating and/or cooling system as well. To take full advantage of new technologies, it is more important than ever to fix the basics first; a building's hydronic system must be well balanced and controlled.

Danfoss AB-QM 4.0 is the enabler for HVAC 4.0 in smart buildings. It is a completely new designed Pressure Independent Control Valve (PICV) for terminal units such as fan coil units, chilled beams, and climate panels. It still features the unique AB-QM 100% valve authority for best-in-class control performance. But we have redefined the value in four different areas:



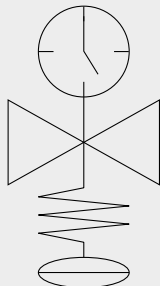
## Specification and installation



### The best choice when you want a tender winner

- Best-in-class control performance under full- and partial load conditions
- Accurate flow measuring
- Models with or without test plugs
- Models with internal or external thread
- Bi-directional filling and flushing
- BIM models and Design Support Centre services

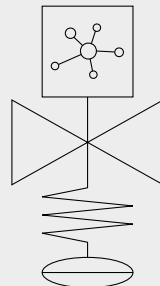
## Reliability and robustness



### The best choice when you want a superior quality for a long time

- Best-in-class reliability and robustness
- Scaling and clogging resistant design
- Most successful in lifetime performance tests
- Extended warranty period for projects
- Accurate pressure and flow measuring via PFM 1000 measuring instrument on Android or iOS mobile devices

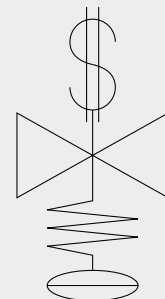
## Connectivity and data



### The best choice when you want connectivity and data

- Fits Danfoss NovoCon® S high accuracy digital actuator
- BACnet or Modbus bus communication
- Plug & play BMS integration
- Remote commissioning, flow setting and flushing
- HVAC data collection
- Predictive maintenance
- Multiple alarms for fast error detection
- Also for analog control via AME, AMV and TWA-Q actuators

## TCO and ROI



### The best choice when you want the lowest cost of ownership

- Lower installation costs
- Shorter handover phase
- Best user comfort at lowest energy consumption
- Best HVAC system efficiency



Click the image to watch our inspiration video

For more information visit [abqm40.danfoss.com](http://abqm40.danfoss.com)

## Danfoss A/S

Heating Segment • [heating.danfoss.com](http://heating.danfoss.com) • +45 7488 2222 • E-Mail: [heating@danfoss.com](mailto:heating@danfoss.com)

Danfoss can accept no responsibility for possible errors in catalogues, brochures and other printed material. Danfoss reserves the right to alter its products without notice. This also applies to products already on order provided that such alterations can be made without subsequential changes being necessary in specifications already agreed. All trademarks in this material are property of the respective companies. Danfoss and all Danfoss logotypes are trademarks of Danfoss A/S. All rights reserved.