

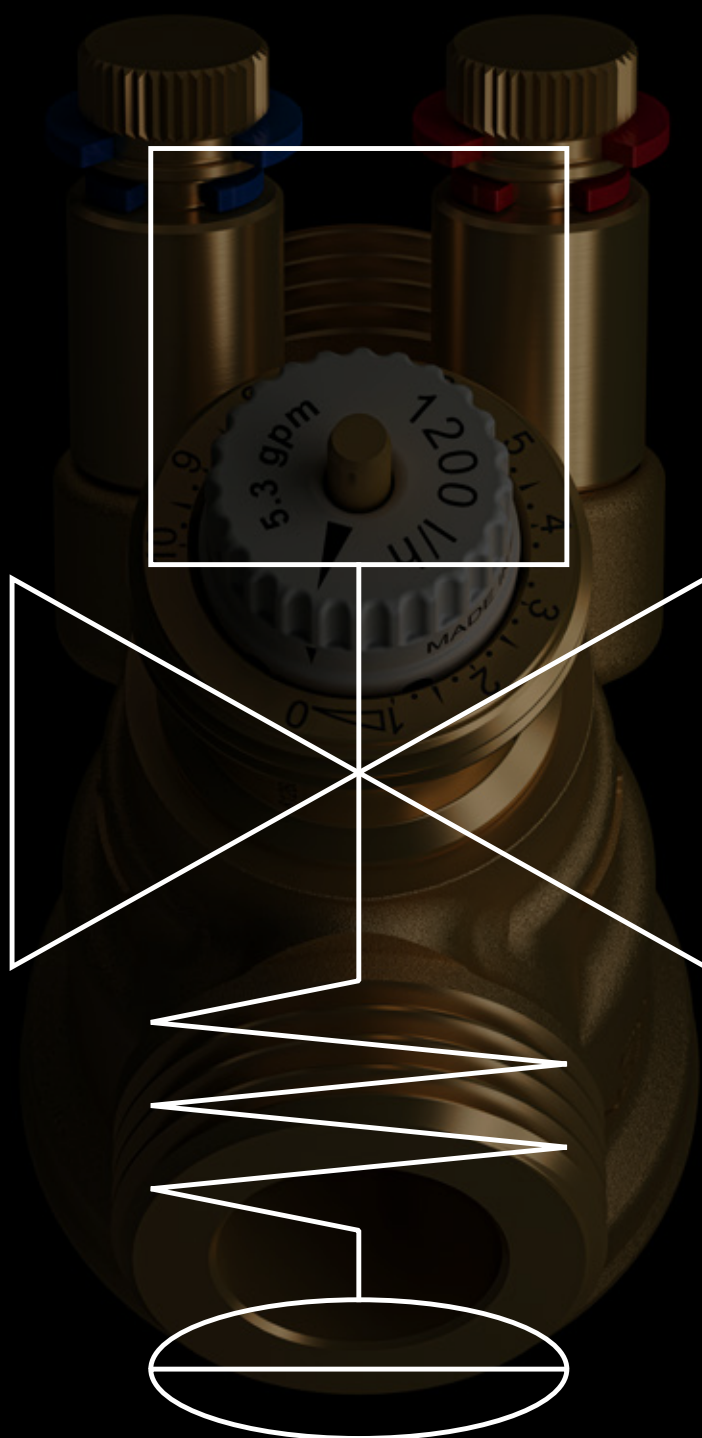
ENGINEERING
TOMORROW



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.



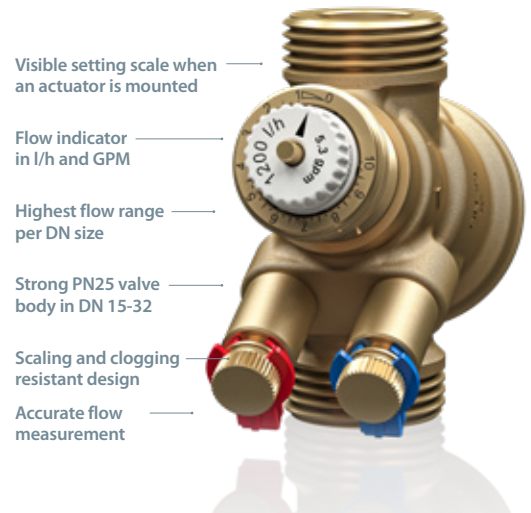
**Available
summer
2019**

(DN 15-20)

Engineering HVAC 4.0 for smart buildings

Digitalization changes the way we live, work, and behave. 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:



Visible setting scale when an actuator is mounted

Flow indicator in l/h and GPM

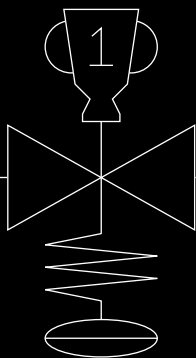
Highest flow range per DN size

Strong PN25 valve body in DN 15-32

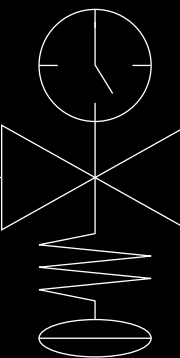
Scaling and clogging resistant design

Accurate flow measurement

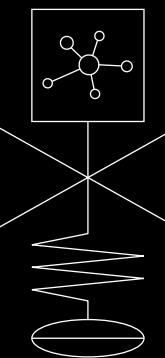
Specification and installation



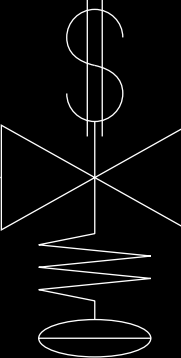
Reliability and robustness



Connectivity and data



TCO and ROI



The best choice when you want a tender winner

- Best-in-class control performance between 10 - 100% flow setting
- 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

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

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

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.

Danfoss A/S

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