

Hydronic balancing and Control | AB-QM 4.0 Flexo

Flexible PICV connection set for fast **installation, flushing** and **servicing**

AB-QM 4.0 Flexo is a compact and time saving connection set for Fan Coil Units in hydronic HVAC systems. It is the best answer for increased installation flexibility and prefab projects.



8-in-1

PICV solution for control, hydronic balancing, measuring, installation, flushing, filling, draining and servicing

8 good reasons to choose AB-QM 4.0 Flexo in your projects

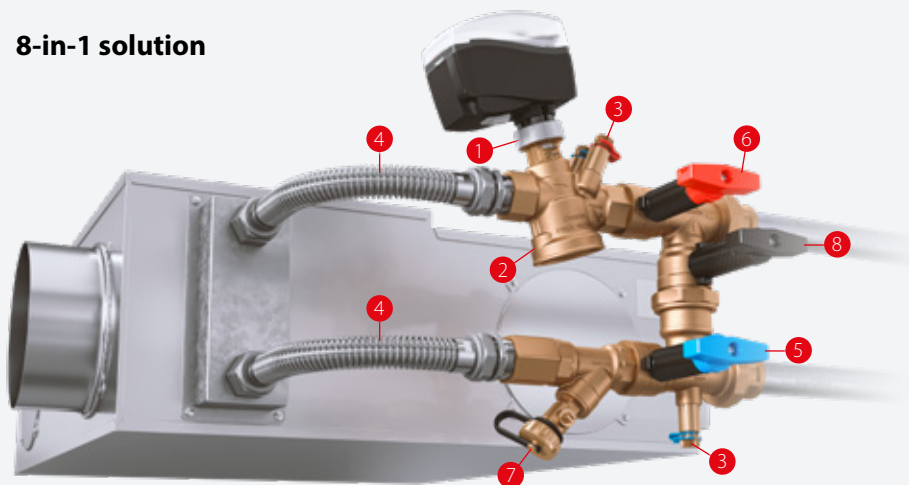
Danfoss AB-QM 4.0 Flexo is designed to make Fan Coil Unit (FCU) installation easier and faster. All the components are pre-assembled into a compact connection set. Each individual set is pressure tested after it is assembled. This will avoid any on-site leakage issues. Using the AB-QM 4.0 Flexo set allows best possible use of the mostly limited available space around the Fan Coil Units and saves installation time. In case the FCU requires service, the unit can be easily accessed and closed at the supply and return connections.

AB-QM 4.0 high-accuracy PICV

Danfoss AB-QM 4.0 is the main component in the connection set. It ensures a perfectly balanced heating or cooling system under both full- and partial load conditions. Its unique design with a built-in differential

pressure controller forms a valve authority of 100% regardless of the presetting of the design flow. For more information about the AB-QM 4.0 simply go to ABQM40.danfoss.com.

8-in-1 solution



1. AB-QM 4.0 **1** is a pressure independent **control valve**
2. AB-QM 4.0 **2** functions as a **dynamic hydronic balancing** valve
3. A total of 3 test plugs **3** allow for various pressure- or flow **measuring** options
4. The stainless steel flexible pipes **4** simplify the **installation** of the FCU
5. Open the 2-way ball valves in the inlet **5** - or outlet **6** for **flushing** the system
6. Open the 2-way ball valves in the inlet **5** - and outlet **6** for bi-directional **filling** of the system
7. Open the 2-way ball valves **5** **6** and strainer **7** with the drain valve to **drain** the system
8. Close the 2-way ball valves **5** **6** and open the 2-way by-pass valve **8** to **service** the FCU

AB-QM 4.0 Flexo technical data

Nominal diameter

DN 15 – DN 20

Connections

Rp ½" – Rp ¾"

Design flow range

DN 15: Low Flow (LF) 20-200 l/h

Normal Flow 65-650 l/h

High Flow (HF) 120-1200 l/h

DN 20: Normal Flow 110-1100 l/h

High Flow (HF) 190-1900 l/h

Max. Nominal Pressure

PN 25

Available accessories

- Flexible stainless steel pipe (set of 2)
- Insulation EPP

Datasheet

click [here](#) to open the datasheet

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