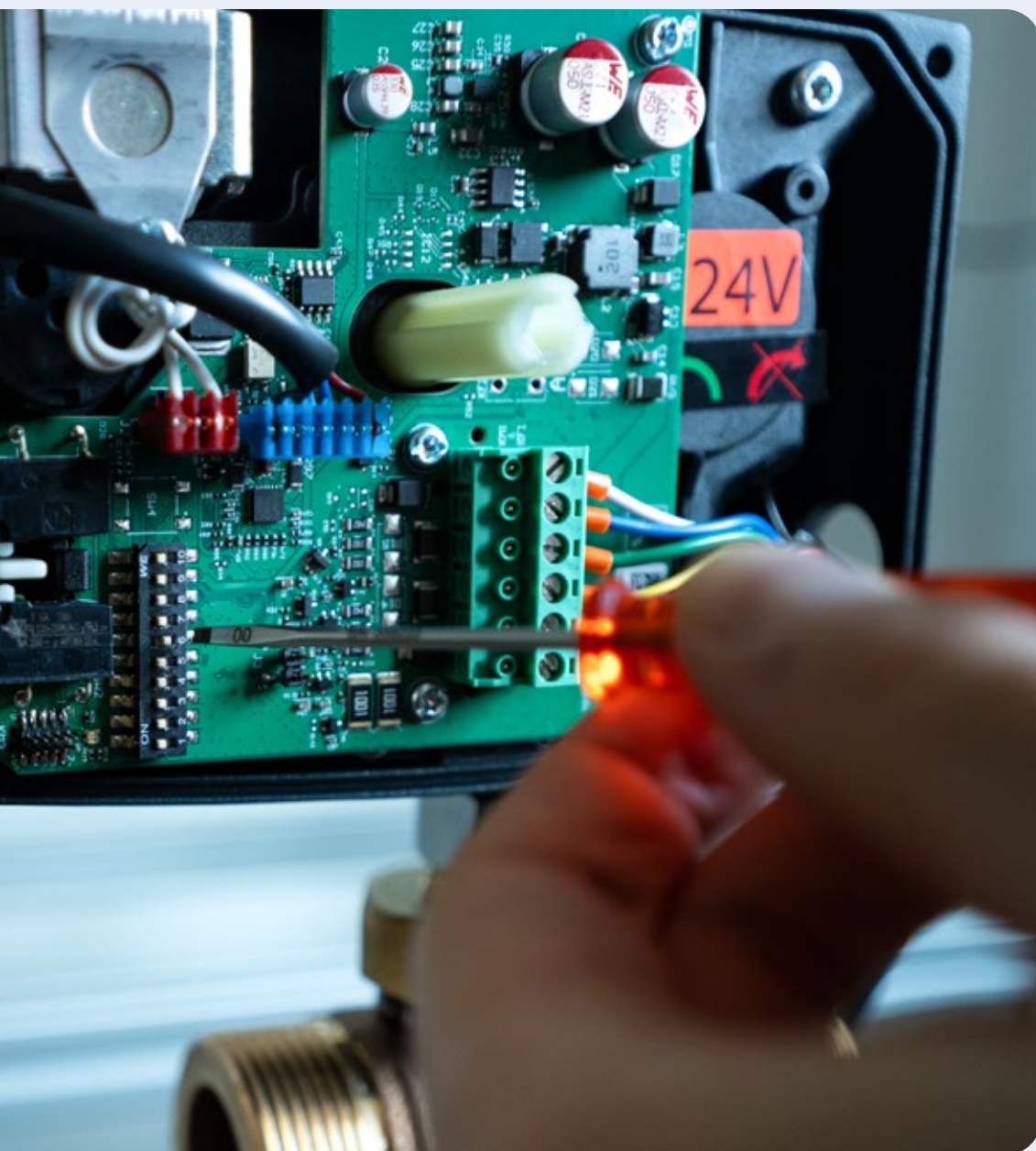


Light & medium duty modulating actuators
for district heating- and cooling



Same Look. Smarter Inside.

Renewed AME Actuators – more flexibility, more precision, same reliability



AME 10



AME 13



AME 20 and 30

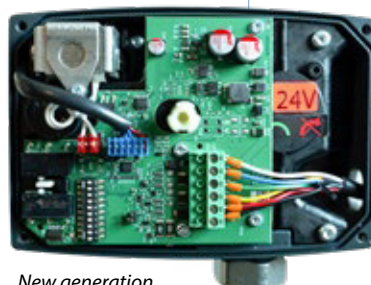


AME 23 and 33

Invisible changes, significant impact

The AME 10/13, 20/23 and 30/33 series light and medium-duty modulating actuators you know and trust are being upgraded from within. While the outside remains unchanged, the inside now features smarter electronics enabling 24 volt DC power supply, enhanced signal options, and increased control accuracy. These invisible yet significant improvements make integration into your stations easier than ever, and ensure seamless connection with all modern DHC monitoring and control systems.

Current generation
circuit board



New generation
circuit board

Key upgrades at a glance

- **Power flexibility** – Now works with both 24V AC and 24V DC, giving you more freedom to connect with a wide variety of free programmable and configurable (parametric) controllers as well with DH or DC monitoring and optimization systems.
- **More signal options** – In addition to the familiar 0–10 V (2–10V) feedback signal, you now get 0–20 mA (4–20 mA) for broader compatibility.
- **Dual inputs for smarter control** – A second analog input (Y2) can override the main input when needed, adding versatility in operation.
- **Improved setup** – The number of DIP switches increased from 9 to 10 for more configuration possibilities.
- **Clearer diagnostics** – A multicolor LED replaces the single red LED, making warnings and alarms easier to read at a glance.
- **Greater precision** – The number of control steps increased from 256 to 1024, delivering smoother and more accurate positioning.

Feature	Current generation	New generation
Power supply	24V AC (-15% – +10%)	24V AC/DC (-20% – +20%)
Operational power consumption	1.3 – 4.6 VA (AC) -- Depending actuator type and operation	1.2 – 4.2 VA (AC) (-/- 5%) 1.1 – 3.7 W (DC) Depending actuator type and operation
Selectable control signal	0–10 (2–10) V 0–20 (4–20 mA)	0–10 (2–10) V 0–20 (4–20 mA)
Feedback signal	0–10 (2–10) V --	0–10 (2–10) V 0–20 (4–20 mA)
Analog control inputs	1	2 (Y2 override)
DIP switches	9	10
Warnings / alarms	Red color LED	Multicolor LED
Resolution (nr. of steps)	256	1024

Trusted fit, now even better

The renewed AME actuators are designed to fit seamlessly with a wide range of Danfoss valve types for district heating and district cooling applications. There are no changes to mounting or dimensions, just better performance in the same reliable package.

The improvements apply to the following modulating AME actuators:

- **AME 10, AME 13 and AME 13 SU** – 14 sec./mm speed, 5 mm stroke and 300N force
- **AME 20, AME 23 and AME 23 SU** – 15 sec./mm speed, 10 mm stroke and 450N force
- **AME 30 and AME 33** – 3 sec./mm speed, 10 mm stroke and 450N force

The AME actuators type 10, 20 and 30 without safety function and the types 13, 23 and 33 with safety function, remain a perfect match with the robust Danfoss VS 2 valves, the VM 2 and VB 2 valves with pressure-relieved design, and the AHQM and AVQM valves offering pressure-independent control.



Why it matters to you

For OEMs:

- Gain greater flexibility in station design
- Integrate more easily with modern controllers
- Reduce the need for multiple actuator variants

For Installers:

- Set up and configure faster
- Read status indications more clearly for quick troubleshooting
- Achieve improved control accuracy for better system performance



Introduction timeline

• Q3 2026:

The renewed **AME 20/23** will be available

• Q4 2026:

The renewed **AME 30/33** will be available

• Q1 2027:

The renewed **AME 10/13** will be available

Explore our solutions
danfoss.com



Scan or click the
QR code for more
information



Danfoss A/S
Climate Solutions
danfoss.com
+45 7488 2222

Any information, including, but not limited to information on selection of product, its application or use, product design, weight, dimensions, capacity or any other technical data in product manuals, catalogues descriptions, advertisements, etc. and whether made available in writing, orally, electronically, online or via download, shall be considered informative, and is only binding if and to the extent, explicit reference is made in a quotation or order confirmation. Danfoss cannot accept any responsibility for possible errors in catalogues, brochures, videos and other material. Danfoss reserves the right to alter its products without notice. This also applies to products ordered but not delivered provided that such alterations can be made without changes to form, fit or function of the product. All trademarks in this material are property of Danfoss A/S or Danfoss group companies. Danfoss and the Danfoss logo are trademarks of Danfoss A/S. All rights reserved.