



# SAUTER vialog AVM 1000 Efficient. Solid. Easy.

The intelligent valve actuator of the latest generation.



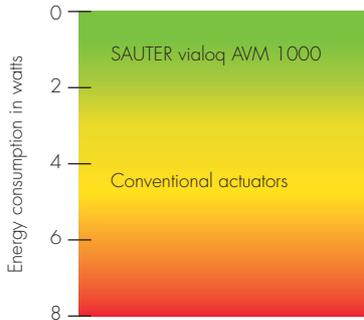
I set the standards high.

## SAUTER vialoq AVM 1000 sets **new standards** **for performance and energy efficiency.**

Conservation of resources is the top priority for process automation of heating, ventilation and air-conditioning. Besides from the improved functionality and user convenience, it is the decisive advantage compared to manually controlled solutions. The valve actuators in the innovative SAUTER vialoq AVM 1000 range set new standards. With a rated thrust of 1000 newtons, they are characterised by their high efficiency class and combine lasting, reliable operating properties with simple handling, first-class performance data and significantly lower energy consumption. The patented automatic valve adaptation system means they can be quickly and easily installed, the sturdy construction guarantees maximum precision with no extra maintenance requirement and the low power consumption minimises energy costs.

The SAUTER vialoq AVM 1000 valve actuators are available with 2-point or 3-point activation with a conventional synchronous motor or as continuous actuators with a high-quality brushless DC motor. They can be used with many different 2-way and 3-way valves. The continuous actuators feature SAUTER Universal Technology, which offers tried-and-tested electronic control and configuration options.

# SAUTER vialoq AVM 1000: Patented technology **with Swiss perfection.**



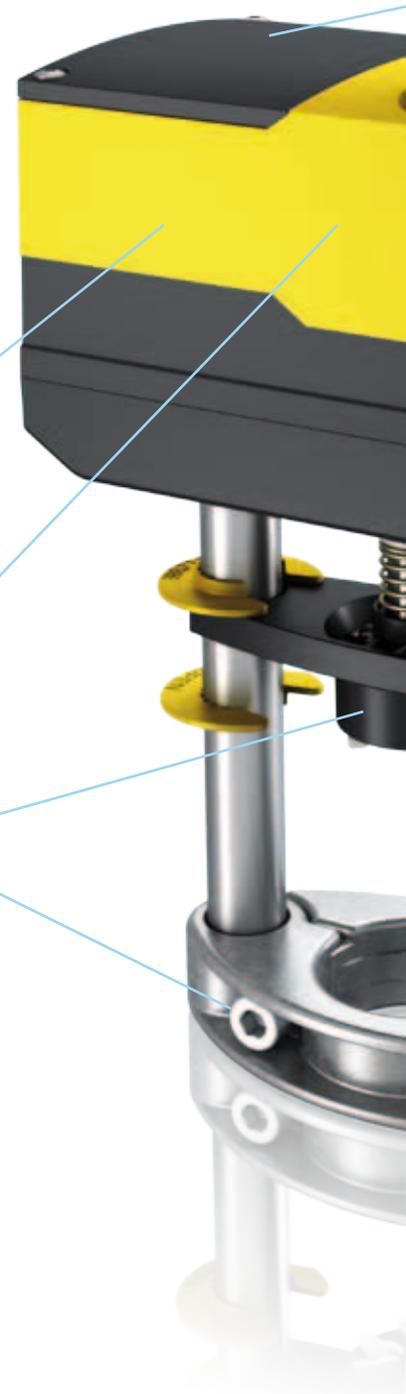
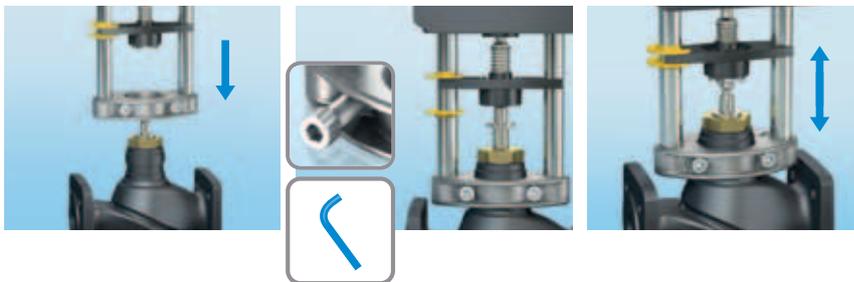
In practice, valve actuators consume around 80% of their energy in standby mode and only 20% from operation; based on this, SAUTER developed its innovative vialoq AVM 1000 series with the focus on significantly reducing consumption in the idle phase which accounts for most of the costs.

Powerful motor with electronic control unit for precise positioning and alignment, automatic valve stroke detection in initialisation, load-based cut-off and accurate feedback signal.

SAUTER Universal Technology, combined with an innovative brushless DC motor, significantly reduces energy consumption during operation and in standby mode.

Absolute travel measurement system with movement and position detection without re-initialisation of the actuator after a power interruption.

Fast, uncomplicated mounting with only two bolts and automatic valve coupling. The spindle connection is automatic.





Simple electrical connection and easy mounting with detachable connection module.



LED operating mode indicator.



Manual adjustment with electronic motor cut-off and overload protection.

Optimised gear geometry and robust construction for quiet, zero-maintenance operation.



Example AVM322SF132

SAUTER Universal Technology with DIP switches for configuring a wide range of parameters directly on the device:

- Initialisation
- Characteristic curves
- Running time
- Voltage/current input
- Change of direction
- Forced operation, e.g. frost monitor

# SAUTER vialoq AVM 1000:

Efficient operation. Sturdy construction. Simple handling.

## efficient

- Maximum power, minimum energy consumption
- 1000 N of rated thrust, large stroke (up to 20 mm)
- Reliable precision, less work required

## solid

- High-quality mechanical gears made in Switzerland
- Sturdy construction, quiet operation
- Long-term return on investment

## easy

- Quick to mount, easy to wire up
- Plug-in electronic module, absolute travel measurement system
- Patented valve coupling, automatic adaptation



### The advantages.

+	Unmatched energy efficiency
+	Automatic adaptation with patented technology
+	High-quality gears
+	Proven Swiss quality from more than a century of experience
+	SAUTER ECO <sup>10</sup>

### How you benefit.

▶	Reduced costs
▶	Easy to fit, quick to set up
▶	Quiet operation
▶	A secure investment
▶	Sustainable conservation of the environment and resources



**Systems**

**Components**

**Services**

**Facility Management**

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### Product range and accessories

SAUTER vialoq AVM 1000 – valve actuators for:

#### 2- and 3-point control

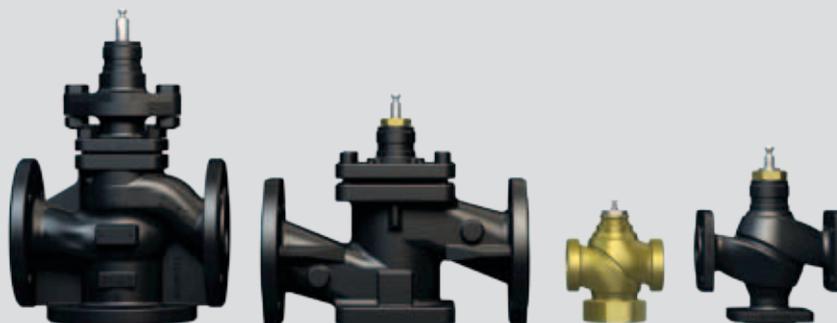
- AVM321F110
- AVM321F112
- AVM322F120
- AVM322F122

#### Continuous control with SAUTER

##### Universal Technology

- AVM321SF132
- AVM322SF132

Suitable for all flanged and threaded valves with 8 to 20 mm stroke in the VUN/BUN, V6R/B6R, VUD/BUD, VUE/BUE, VUG/BUG and VUP series.



#### Accessories

Continuous 230 V module / 4...20 mA output signal module / split range module / temperature adapter / adapter set for third-party valves