



AVM 234
AVF 234 with spring return

AVN 224, DIN 32730
with emergency function

A further milestone for SUT actuators.
Great strength inside a small housing.

A new series of SUT actuators: the AVM/AVF/AVN range, with its high pushing force and patented drive-valve coupling, is a further significant step in the development of Sauter's drive technology.

With this new range of actuators, SUT technology now also proves its ability to handle high pushing forces. These drives are distinguished by their compactness and robustness, their reliable components and their use of microprocessor technology. The fact that they are quick and simple to fit (they couple with

the valve automatically), and their ability to recognise the stroke and the end positions, mean that the actuators can be put into service with a minimum of time and effort – which are, of course, very good reasons for choosing them.



Since the length of the rods can be varied and various chucks are available, the actuator can be fitted to any make of valve.

AVM 234

- Pushing force 2500 N
- Mechanical manual adjustment

AVF 234 with spring return

- Pushing force 2000 N
- Spring return, open or closed, return time 10...30 s, min. 20,000 operations
- Mechanical manual adjustment

AVN 224, emergency function DIN 32730

- Pushing force 1100 N
- Spring return, open or closed, return time 10...30 s, min. 20,000 operations
- Electrical manual adjustment

The specifications at a glance (common to all models):-

- SUT technology; communication capability; 0...10 V/0...20 mA, 2-point or 3-point
- Standard versions use 24 V power supply but can be easily upgraded to 230 V by inserting a module
- Variable running time: 2/4/8 s/mm
- Variable characteristic: equal-percentage, linear, quadratic, regardless of the valve's characteristic
- Stroke 0...50 mm, self-adapting
- LED and mechanical indicator
- Degree of protection IP55
- Permissible ambient temperature -20...60° C

Robust construction and modern electronics



Strong steel plate with stepping motor or brushless DC motor; protected against overloading thanks to torque monitoring. Sturdy gears of sintered steel – maintenance-free and long-lasting. Fold-out lever with a mere 18 revolutions required for 50 mm stroke (depending on the model). Strong return spring for the emergency function.

Electronics with microprocessor technology; setting for running time and characteristic; sockets for communication module and 230 V module; LED indicators and manual adjustment with power cut-off.

Patented drive-valve coupling



Fit the actuator to the valve, open the coupling. Move the actuator (either electrically or by means of the lever) towards the valve's spindle to 100 % stroke; the coupling closes automatically.

To open, simply slide the coupling piece back towards the actuator and remove the actuator from the valve's spindle (either electrically or using the lever).