



MVT44 / MVT57 are valve actuators for three point floating or 0...10 V control signals. The actuators are intended for use together with valves in the VST / VMT series.

- * Three point- or 0...10 V-control signals
- * Automatic stroke adjustment
- * Easy mounting
- * Compact design

Function

MVT44/MVT57 are two valve actuators for controlling valves. They have 24 V supply voltage and handle up to 6.5 mm stroke. They are designed for the valves in the VST- and VMT-series (leaflet 7-550).

The actuator consists of a synchronous motor connected to a gear-box which drives the spindle up or down. The power is transmitted to the gear-box and valve spindle via a magnetic coupling ensuring that the valve spindle is not subject to greater force than specified.

MVT44

Actuator for three-point floating control signal (increase-decrease).

MVT57

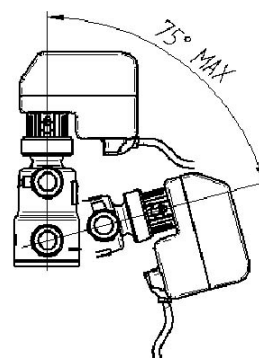
A microprocessor based actuator for 0...10 V input signal. The actuator has automatic stroke adjustment when activated for the first time.

Mounting position

The valve should be mounted so that the actuator is positioned with the drive rod within 75° from the vertical with the motor housing highest. Ensure that there is adequate space above the valve stem to allow mounting of the actuator.

Mounting of the actuator on the valve

Make sure that the actuator drive rod is in its retracted position at the same height as the notch on the bracket (factory setting). Fix the actuator to the valve by screwing the ring nut onto the thread on the valve bonnet. The ring nut is threaded M30x1.5. Hand tighten only.



Models

MVT44	Valve actuator for three point floating, 24 V AC
MVT57	Valve actuator for control signal 0...10 V

Technical data

Supply voltage	24 V AC +/- 15% 50-60 Hz
Power consumption	1 VA
Maximum stroke	6,5 mm
Full stroke time	100 sec.
Stem force	200 N
Noise	Less then 30 dB (A) according to ISO 3745
Ambient temperature	-5...+55°C
Storage temperature	-25...65°C
Ambient humidity	Max 90% RH
Cable	Three wire, 1,5 m
Protection class	IP43



These products conform with the requirements of European EMC standards CENELEC EN61000-6-1 and EN61000-6-3 and carry the CE-mark.

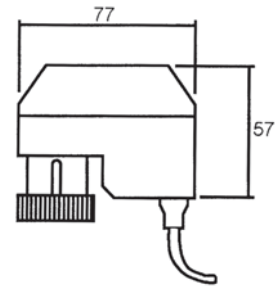
Wiring and dimensions

MVT44

	Brown — 24 V AC (Drive rod extends)
	White — 24 V AC (Common)
	Green — 24 V AC (Drive rod retracts)

MVT57

	Brown — 24 V AC, supply voltage
	White — 24 V AC Neutral/Signal neutral
	Green — 0...10 V Control signal



Head Office Sweden

Phone: +46 31 720 02 00
Web: www.regin.se
Mail: info@regin.se

Sales Offices

France: +33 14 171 46 46
Hong Kong: +852 24 07 02 81
Singapore: +65 67 47 82 33



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