

# TA-NV24, TA-NVG24

High performance proportional actuator



**TA**

Pressurisation & Water Quality › Balancing & Control › Thermostatic Control

**ENGINEERING ADVANTAGE**

A proportional actuator with automatic stroke adaptation, which, when used together with pressure independent control valves KTM 512 DN 65 and above, provides accurate modulating control.

> **Position indicator**

For straightforward maintenance.

> **Manual operation**

Enables easy troubleshooting.

> **Simple attachment**

Simple attachment to the neck of the valve by means of a clamping strap.



## > Technical description

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**Applications:**

For modulating control (0-10V). 3-point control also possible.

**Supply voltage:**

24V AC  $\pm$  20%, 50-60Hz

24V DC -10% +20%

**Power consumption:**

3 W

**Control voltage:**

DC 0-10V @ 100k $\Omega$

**Control speed:**

7,5 s/mm

**Adjusting force:**

TA-NV24:

1000 N (closing force)

800 N (blocking force)

TA-NVG24:

1600 N (closing force)

1600 N (blocking force)

**Temperature:**

Operation:

Max. ambient temperature: 50°C

Min. ambient temperature: 0°C

Storage:

Max. ambient temperature: 80°C

Min. ambient temperature: -40°C

**Enclosure class:**

IP 54

**Cable:**

Connection cable: 5 x 0,75 mm<sup>2</sup>. The cable is stripped 50 mm and each wire is isolated.

Cable length: 1 m

**Stroke:**

20 mm

**Connection to valve:**

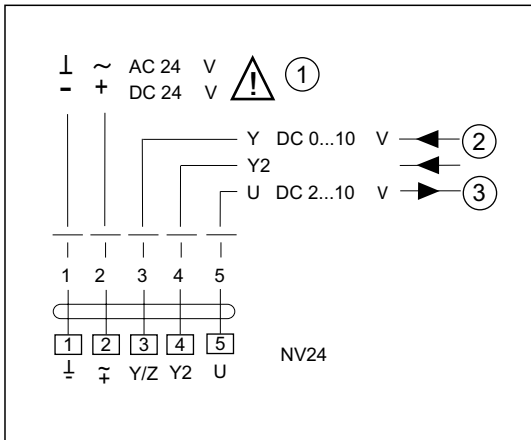
Bracket with U-bolt and sprung retention clip.

**Marking:**

Label with TA and technical specification.

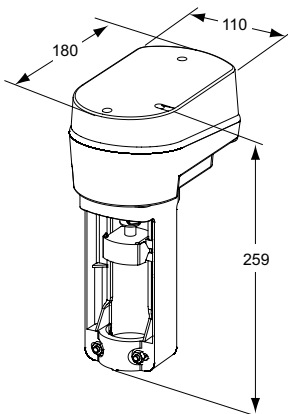
## Installation

Wiring diagram:



- 1) Connection via safety isolating transformer
- 2) Control signal from controller
- 3) Measuring voltage U for position indication

## Articles



### 24V AC/DC

Article No	Adjusting force	Kg
<b>TA-NV24</b> 50 358-020	1000 N	1,5
<b>TA-NVG24</b> 50 358-120	1600 N	1,5

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