



## Mounting bracket UNV-030

suitable for Johnson Controls globe valves of lift 13...19 mm

### In combination with Belimo linear actuators

<b>NV24-3-T</b>	<b>AC/DC 24 V</b>	(P.12)
<b>NV230-3-T</b>	<b>AC 230 V</b>	(P.12)
<b>NV24-MFT-T</b>	<b>AC/DC 24 V</b>	(P.14)
<b>NV24-MFT2</b>	<b>AC/DC 24 V</b>	(P.14)
<b>NVG24-MFT2</b>	<b>AC/DC 24 V</b>	(P.14)
<b>NVF24-MFT-T</b>	<b>AC/DC 24 V</b>	(P.16)
<b>NVF24-MFT-E-T</b>	<b>AC/DC 24 V</b>	(P.16)

### Johnson Controls valves

Valve	2-way	DN*	3-way	DN*
Type with closing point up $\Delta$	VG7401	25...50	VG7802	25...50
	VG7403	25...50	VG7804	25...50
Type with closing point down $\nabla$	VG7201	25...50	BM-2XX8	15...50
	VG7203	25...50		
	BM-2XX2	15...50		
Temperature of medium	2...(140)150°C			

\*DN 15...20 see UNV-019

### Applications

Johnson Controls Series VG72..., VG74..., VG78..., BM-2XX2, BM-2XX8 valves and DN 25 ...50 are easy to motorize using a Type NV..-T linear actuator and a UNV-030 mounting bracket.

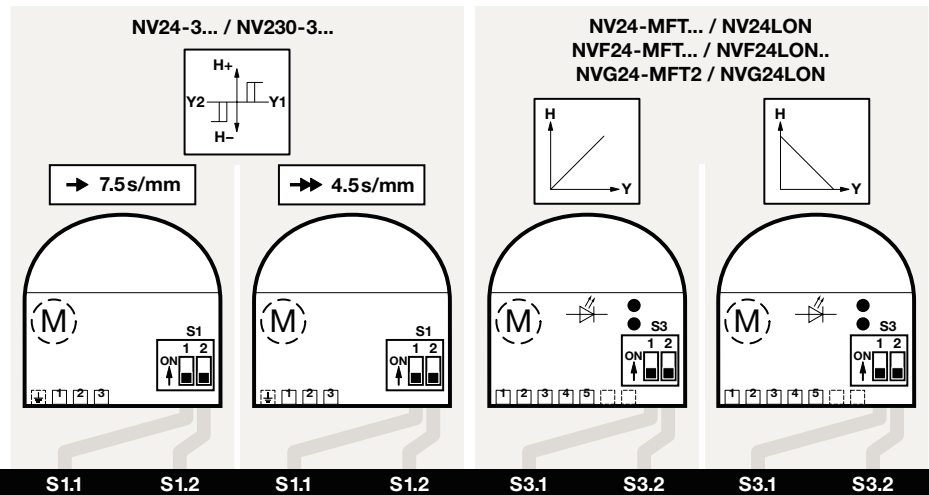
### Product features

The UNV-030 mounting bracket is secured to the NV.. actuator by means of 4 screws. It comes with all necessary adapters needed for attaching to a Johnson Controls valve. The valve neck adapter is screwed on to the neck of the valve and locked. The mounting bracket is placed on the valve neck adapter and bolted to it giving

### Mounting bracket materials

Mounting bracket	die-cast aluminium
Stem adapter	stainless steel
Stem coupling	stainless steel
Weight	0.32 kg

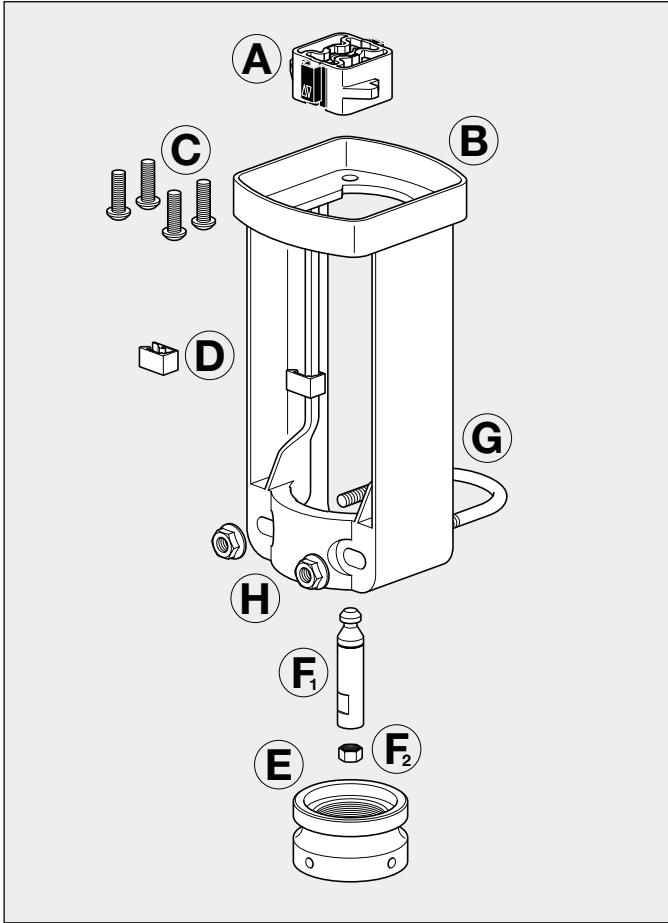
### Settings for NV.. linear actuator



JOHNSON			S1.1	S1.2	S1.1	S1.2	S3.1	S3.2	S3.1	S3.2
	VG7401 VG7403	$\Delta$								
	VG7201 VG7203 BM-2XX2	$\nabla$								
	VG7802 VG7804 BM-2XX8	$\Delta$								

Depending on the particular type of linear actuator and valve being used the slide switch allows easy matching to the actuator (see also NV..-T).

**Assembly instructions NV..+UNV-030**



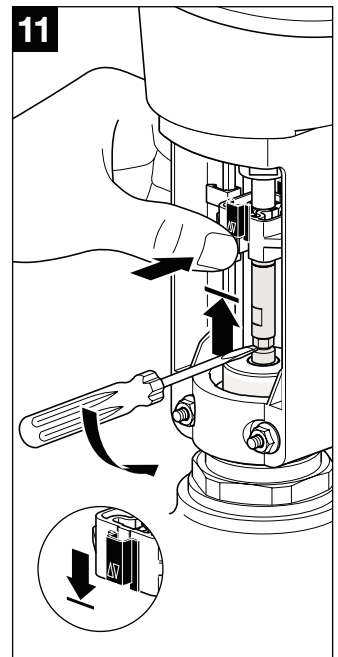
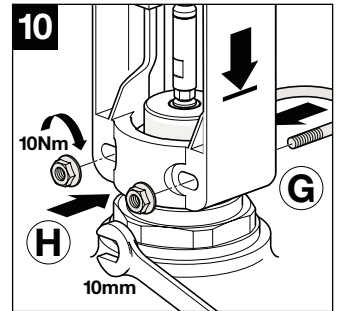
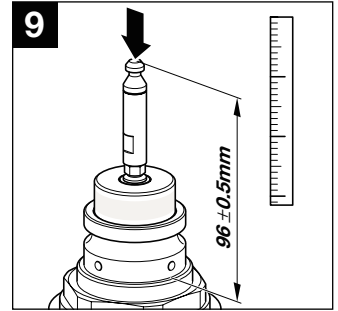
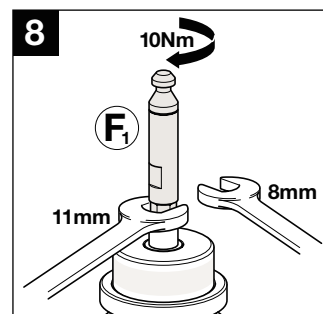
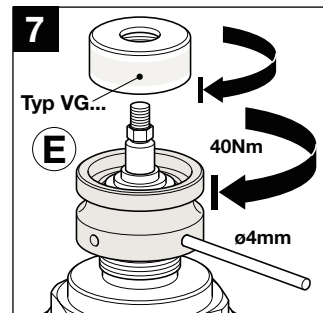
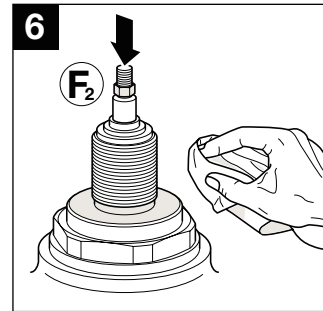
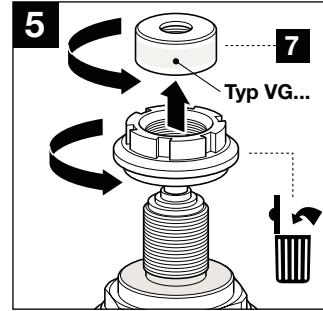
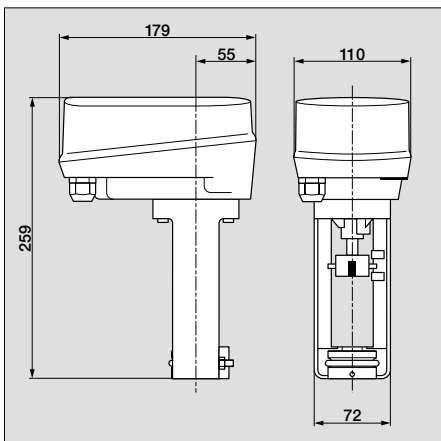
Mounting the UNV bracket on the actuator (steps 1 to 4 see Page 20)

a friction-locked connection. The stem adapter is secured to the valve stem. The connection between the valve stem and the actuator spindle is semi-automatic by means of the stem coupling. The actuator and the mounting bracket can be swivelled through 360° on the neck of the valve.

**Position indication**

The lift is indicated mechanically on the mounting bracket; the indicator adjusts itself automatically.

**Dimensions with NV..-T linear actuator**

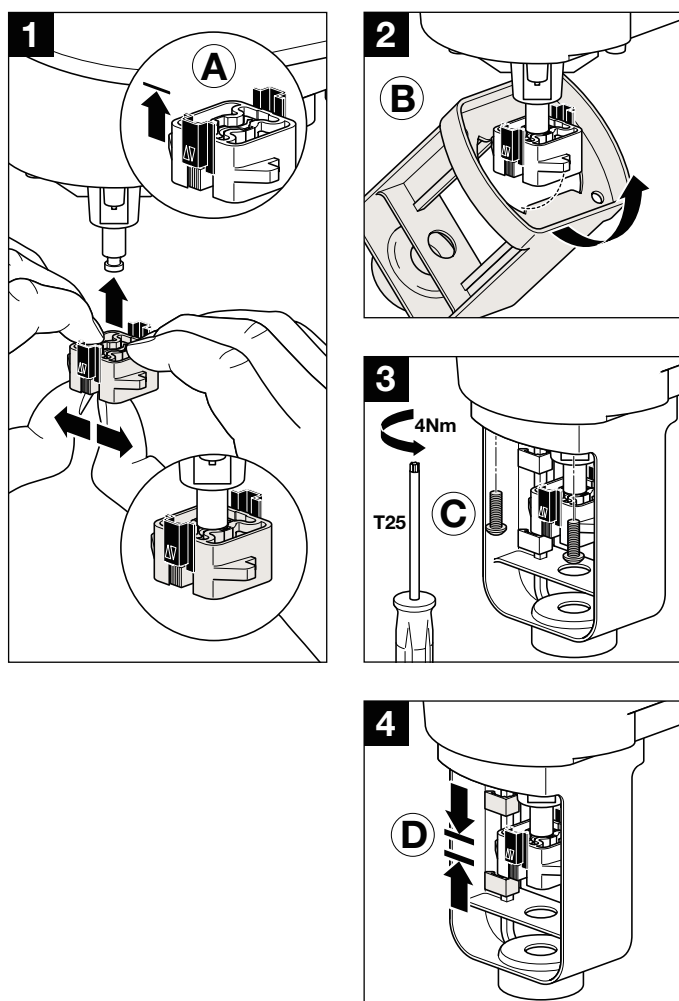


## LED indicator H1

Green steady light	Actuator working properly
Green flashing light	Test run or adaptation with synchronization in progress
Red steady light	Fault; repeat adaptation
Red flashing light	After power interruption (> 2 sec.). By the next closing movement the valve will be automatically synchronized in the chosen closing point. The LED indicator will change from a red flashing into a green steady light.
Alternate red / green flashing light	Addressing via control system and operation of adaptation push-button S2 in progress

The actuator is maintenance-free. The twin-colour LED indicator is under the cover of the actuator; the indicator shows actual actuator status. It also allows simple commissioning if the factory settings need to be changed.

## Assembling the actuator and mounting bracket NV../UNV..



❶ If the mounting bracket (B) has been supplied with the actuator (ordering example: NV24-3-T / UNV-002), first attach the coupling (A) to the actuator spindle.

❷ Next, slide the mounting bracket (B) on to the coupling.

❸ Secure the mounting bracket to the actuator with the 4 screws (C). Hexagon socket-head screws (Torx) are used in order to ensure secure attachment.

❹ Then slide the two «orange riders» [for mechanical position indication (D)] on to the spindle/stem coupling.