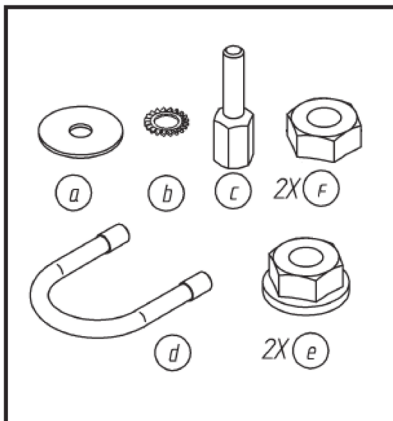


### MOUNTING INSTRUCTIONS



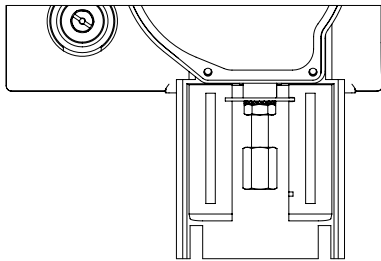
Hot media hazard. Before removing actuator from valve or opening the valve, ensure that the valve control medium is isolated and remove the pressure. Work must only be carried out by a competent engineer.



**Attention:**  
Do not use the actuator disassembled from the valve.

For MVH26/36/46/56/66

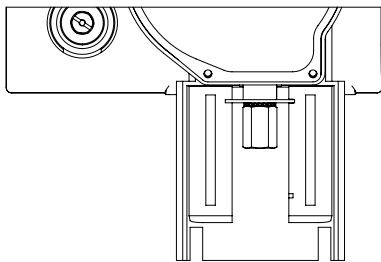
1



For valve with 16 and 25 mm stroke

- Lower the valve stem;
- lock the stem extension (c) on the rack completely retracted placing the indicator disk (a), the jagged washer (b) and the nut (f) positioned half of the extension itself.

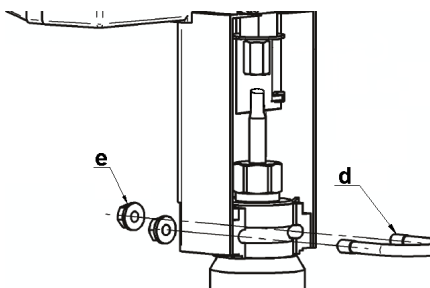
1a



For valves with 45 mm stroke

- Lower the valve stem;
- lock the stem extension (c) on the rack completely retracted placing the indicator disk (a) and the jagged washer (b).

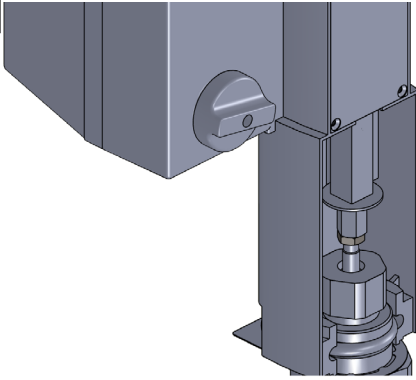
2



- Assemble the actuator to the valve by U-bolt (d) and the two nuts (e) without locking the nuts.

The performances stated in this sheet can be modified without any prior notice.

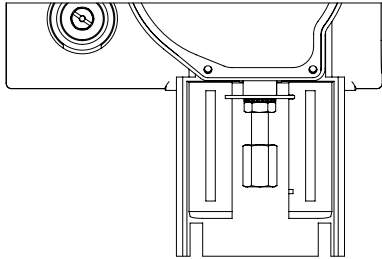
3



- By rotating the manual override knob, lower the stem extension until it reaches the valve stem, then rotate the actuator to screw the stem into the extension. Tighten the locknut on the stem and lock the two nuts on the U-bolt.

#### For MVH36A

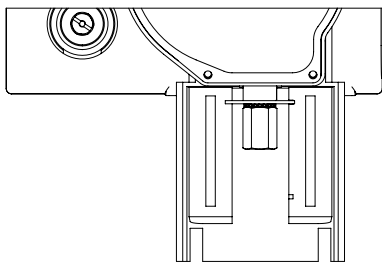
1



#### For valve with 16 and 25 mm stroke

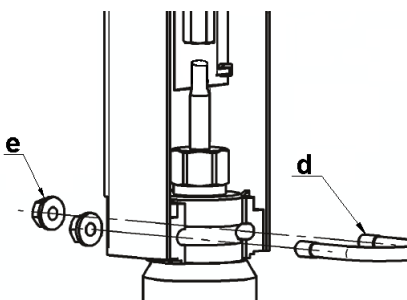
- Rise the valve stem;
- lock the stem extension (c) on the rack completely retracted placing the indicator disk (a), the jagged washer (b) and the nut (f) positioned half of the extension itself.

1a



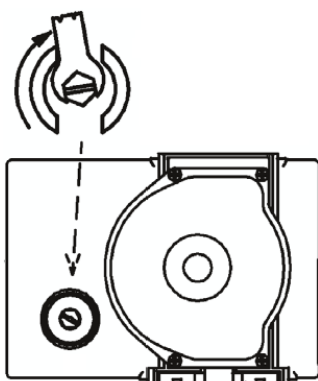
- Rise the valve stem;
- lock the stem extension (c) on the rack completely retracted placing the indicator disk (a) and the jagged washer (b).

2



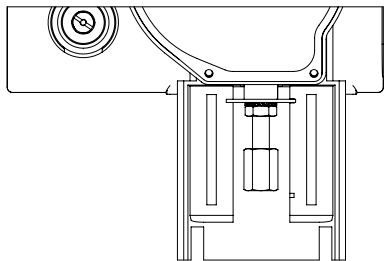
- Assemble the actuator to the valve by U-bolt (d) and the two nuts (e) without locking the nuts.

3



- Raise the valve stem;
- remove the cover and rotate the pivot clockwise so that the rack comes out for assembling it with the valve stem; the pivot can be locked by a spanner as shown in the picture;
- rotate the actuator to screw the extension on the valve stem, so lock it tightening the nut on the stem;
- tighten the two nuts on the U-bolt to lock the actuator;
- remove the key from the pivot and mount the small cap.

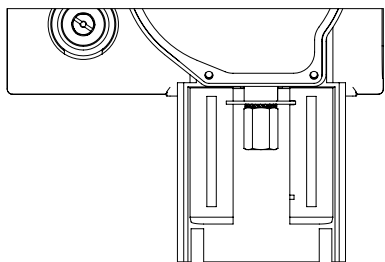
1



**For valve with 16 and 25 mm stroke**

- Lower the valve stem;
- lock the stem extension (c) on the rack completely extended placing the indicator disk (a), the jagged washer (b) and the nut (f) positioned half of the extension itself.

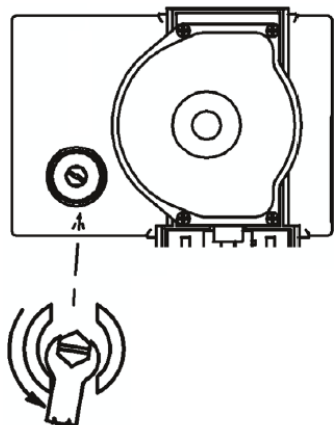
1a



**For valves with 45 mm stroke**

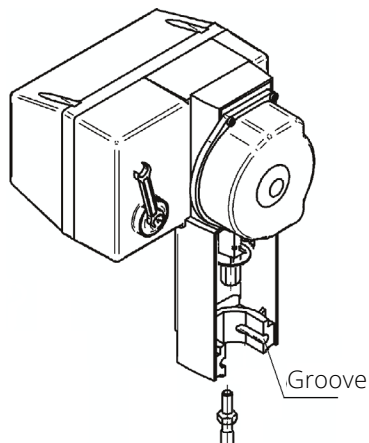
- Lower the valve stem;
- lock the stem extension (c) on the rack completely extended placing the indicator disk (a) and the jagged washer (b).

2



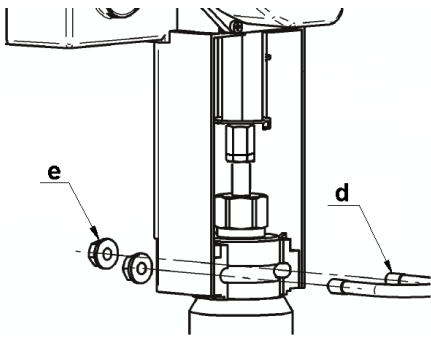
- Remove the cover;
- rotate the pivot 1/2 turn counter-clockwise and lock it by a spanner as shown in the picture.

3



- Screw the extension on the valve stem until the groove on the actuator base coincides with the one on the valve, then lock the extension tightening the nut on the stem. In case the two bases do still not coincide, rotate the pivot until it happens.

4

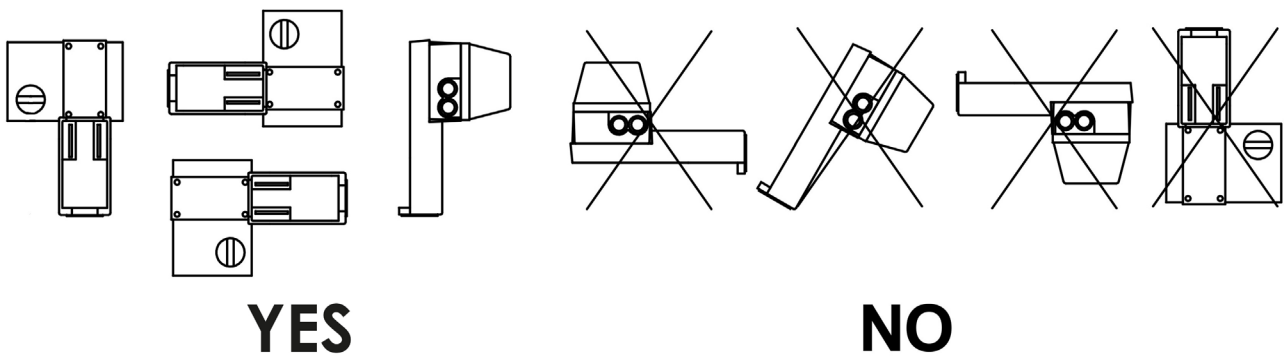


- Assemble the actuator to the valve by U-bolt **(d)** and the two nuts **(e)** without locking the nuts.

#### ACTUATOR STROKE CALIBRATION (only for MVH36/56)

- Loosen the locking screws located on the cover and put it off;
- using a screwdriver, turn **counter-clockwise** the right potentiometer and **clockwise** the left one up to their mechanical stop;
- acting on the manual knob, as shown in Fig. 3, bring the indicator disk to both stroke ends and position the related adjustable indicators.

#### MOUNTING POSITIONS



YES

NO

#### ELECTRICAL CONNECTIONS

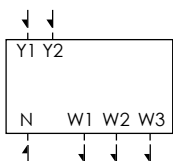
Perform the connections in compliance with existing rules and using max 2,5 mm<sup>2</sup> cross section wires.

Follow the instructions by using wire terminals on power supply wires in order to prevent accidental contacts between cables at different voltages in case of wrong installation.

On the power supply line install a protection device compliant to existing rules with a 125 mA intervention threshold and a minimum 3 mm contact opening. The device is not supplied with the product.

#### TERMINALS

**MVH26 (230 Vac)**  
**MVH46 (24 Vac)**  
**MVH66 (110 Vac)**

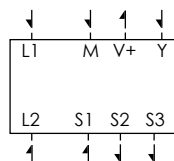


Power supply control | N-Y1 (\*\*)  
N-Y2 (\*\*\*)

(\*\*) Joint moves upwards  
(\*\*\*) Joint moves downwards

W1 Auxiliary potentiometer  
W2 MVH 26/46  
W3

**MVH36/56 (24 Vac)**  
**MVH36A/C (24 Vac)**



L1 Phase | 24V~±10% power supply  
L2 Neutral

M Common  
V+ +15 V Output  
Y Control signal (2) | (1)

S1 Analogue common  
S2 0..10V or 0..200uA  
S3 10..0V or 200..0uA | (3)

- For the model MVH36. Connect the central of the controller potentiometer (165 Ω) to terminal Y, one side to terminal M and the other one to terminal V+;
- with jumper SW3 in A position and increasing control signal the joint moves upwards;
- connect the eventual indicator to the current input at terminals S3 (or S2) and S1 (max. 2 mA). Connect the indicator with voltage input to terminals S3 (or S2) and M (max. 2 mA). With joint up the voltage value (or current) corresponds to the minimum value.