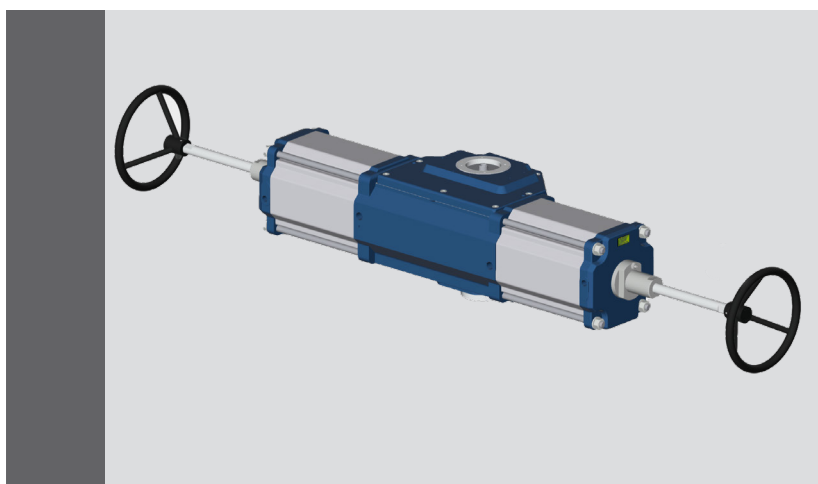


Mi-513 EN

Instruction for Emergency operation Actuator type A





Introduction

This operation and service instruction is intended for operation, and maintenance personnel.

This publication also describes components, equipment and associated devices that are not included or are only partly included in the delivery.

We reserve the right to amend this publication without prior notification.

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1 Overview

1.1 Overview of the parts

Danger!

Risk of injury!

Do not place hands and fingers in the area of moving parts of the valve or of the actuator when the actuator is connected to the compressed air supply.

Single action actuators may move to "open" or "closed" position without being connected to the air system.

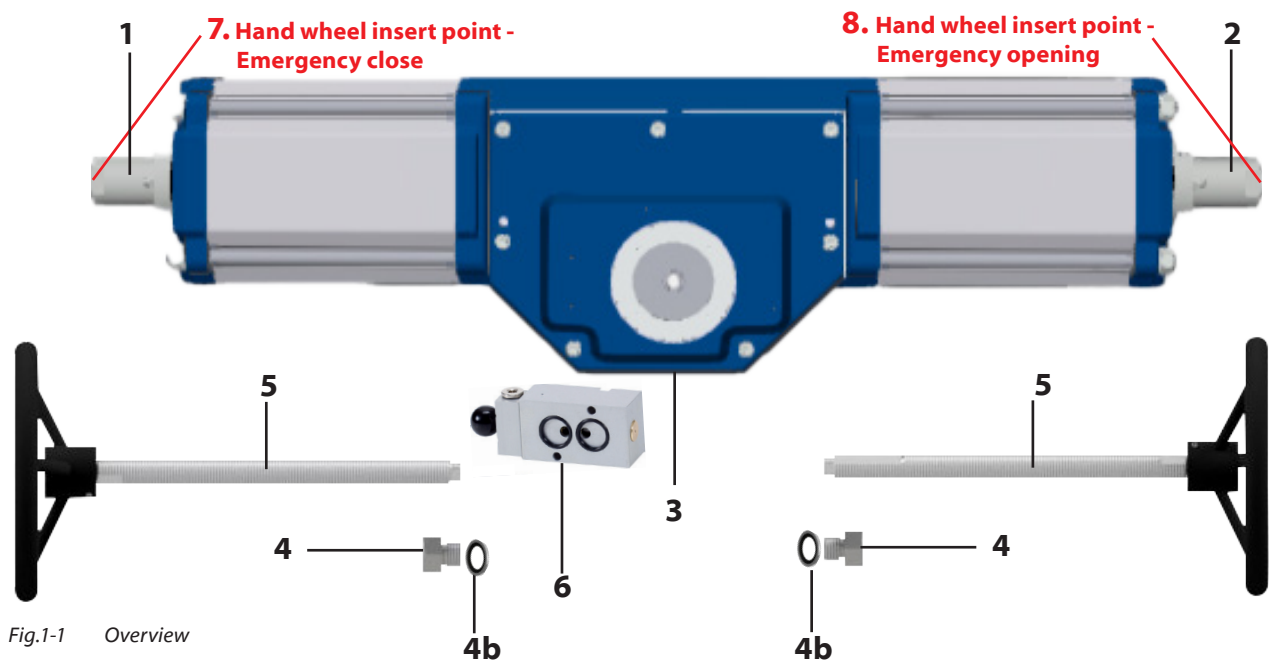


Fig.1-1 Overview

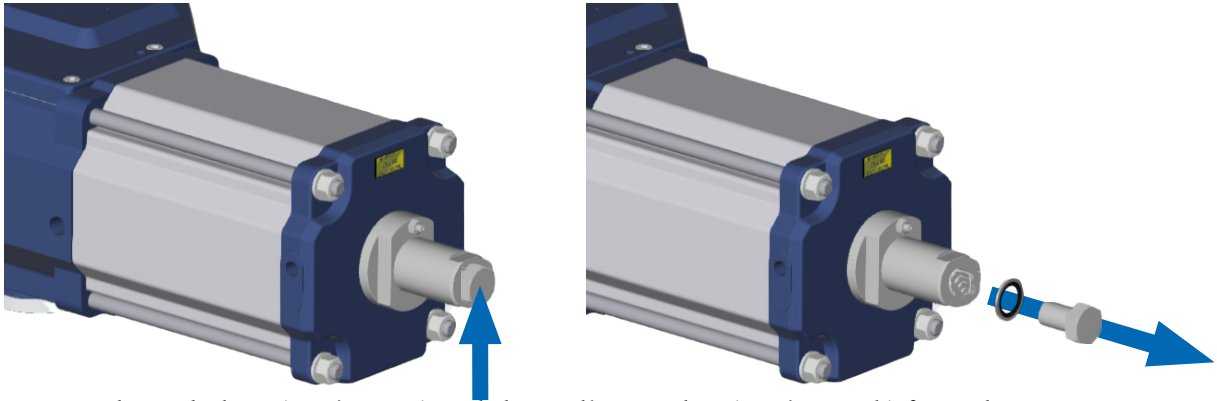
- | | | |
|--|--|--------------|
| 1 End position bolt "open" position | 2 End position bolt "closed" position | 3 Type plate |
| 4 Plug | 4b Sealing washer | |
| 5 Handwheel | 6 Short cut valve | |
| 7 Hand wheel insert point -
Emergency close | 8 Hand wheel insert point -
Emergency opening | |



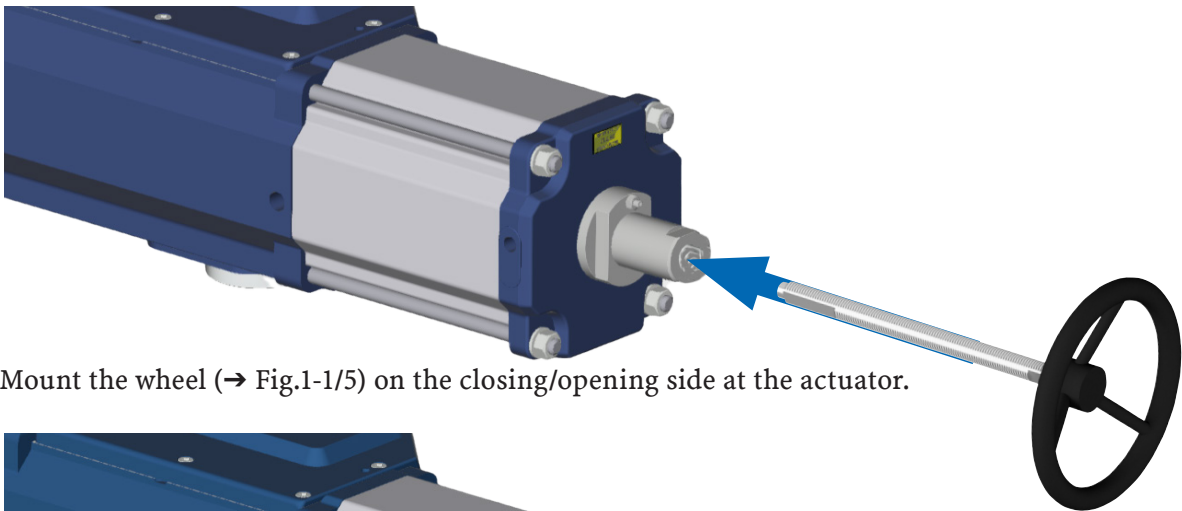
2 Instruction for use

2.1 Emergency Operation

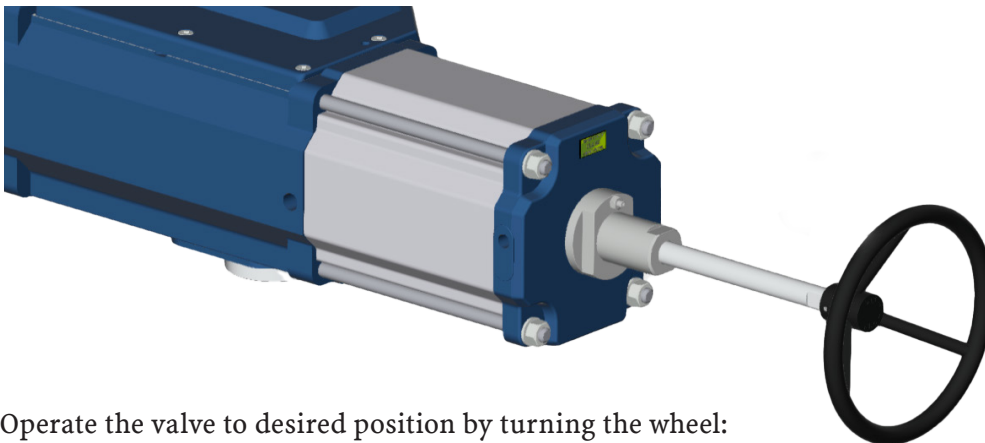
1. Make sure that the air supply to the actuator is disconnected, or push in the knob at the shortcut-valve (if the actuator is equipped with shortcut-valve type BHN - see page 6 for additional information).



2. Remove the end plugs (→ Fig.1-1/4) and the sealing washer (→ Fig.1-1/4b) from the actuator.
CAUTION! Air will leak out.



3. Mount the wheel (→ Fig.1-1/5) on the closing/opening side at the actuator.



4. Operate the valve to desired position by turning the wheel:
Wheel mounted in the position number 2 (→ Fig.1-1/2) will open the valve when turning the emergency operating wheel clockwise.
Wheel mounted in the position number 1 (→ Fig.1-1/) will close the valve when turning the emergency operating wheel clockwise.

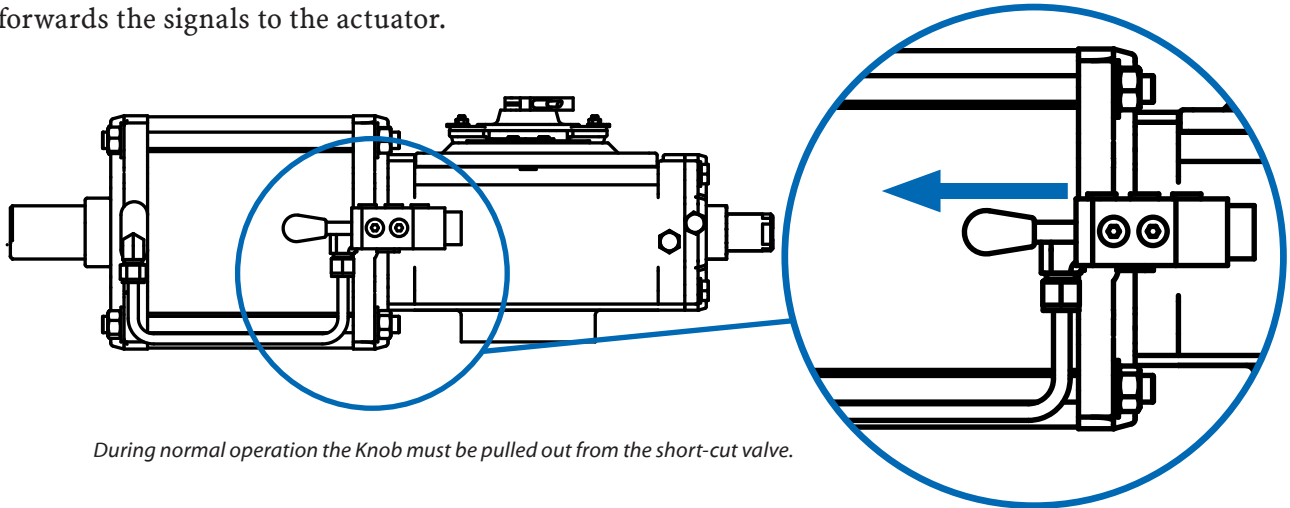


2.2 Fail Safe Device

As an extra layer of security the actuator could be equipped with an short-cut valve. When in use - it will block signals from pilot-valve and short-cuts the actuator.

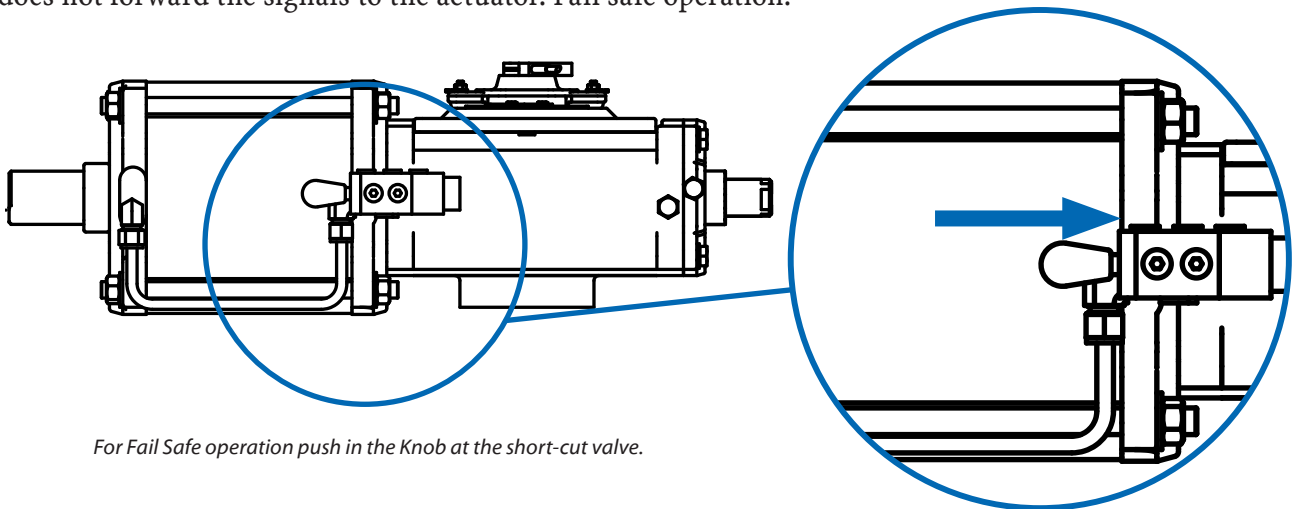
Instruction for use - Short cut valve

Normal operation - Knob pulled out: As long as the knob is pulled out, the short-cut valve forwards the signals to the actuator.



During normal operation the Knob must be pulled out from the short-cut valve.

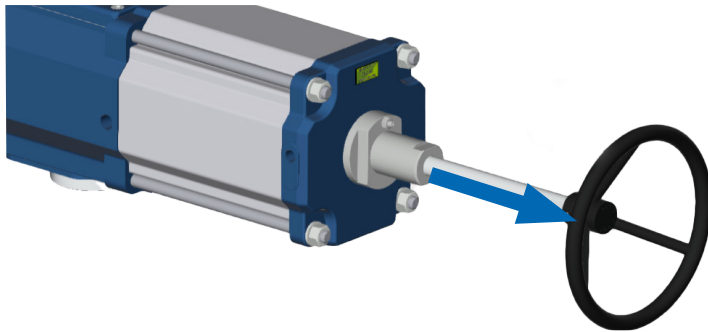
Fail safe operation - Knob pushed in: When the knob is pushed in, the short-cut valve does not forward the signals to the actuator. Fail safe operation.



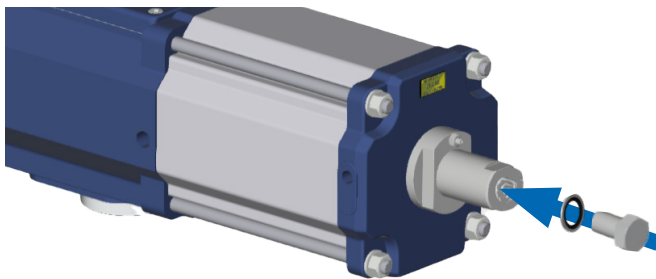
For Fail Safe operation push in the Knob at the short-cut valve.



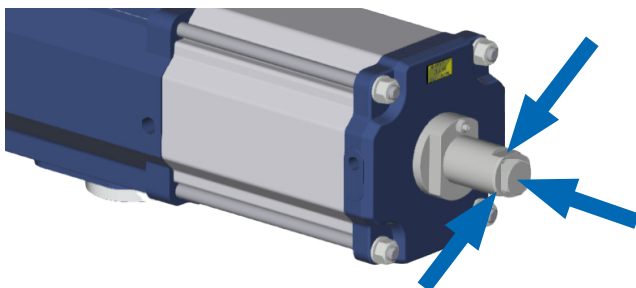
2.3 Normal operation



1. Remove the Emergency operation wheels (→ Fig.1-1/5) from the actuator.



2. Remount the End plugs (→ Fig.1-1/4) to the Actuator. Make sure the Sealing washers (→ Fig.1-1/4b) is attached to the End plugs.



3. Secure the position of the End position bolts (→ Fig.1-1/1,2) with a wrench at the recesses at the end bolts. While securing the position bolt tighten the End plug with a torque of approximately 80 Nm or until the actuator is air tight.
4. Reconnect the supply air to the actuator.
5. Pull out the knob at the short-cut valve (if the actuator is equipped with such valve).

The actuator will now be back in normal operation mode. Make sure that the emergency wheels are stored closed to the actuator so that they are ready for use.

Danger!

Risk of injury!

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Single action actuators may move to "open" or "closed" position without being connected to the air system.





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