

MANUAL

Horti Valve 3-way

Assembly and disassembly actuator



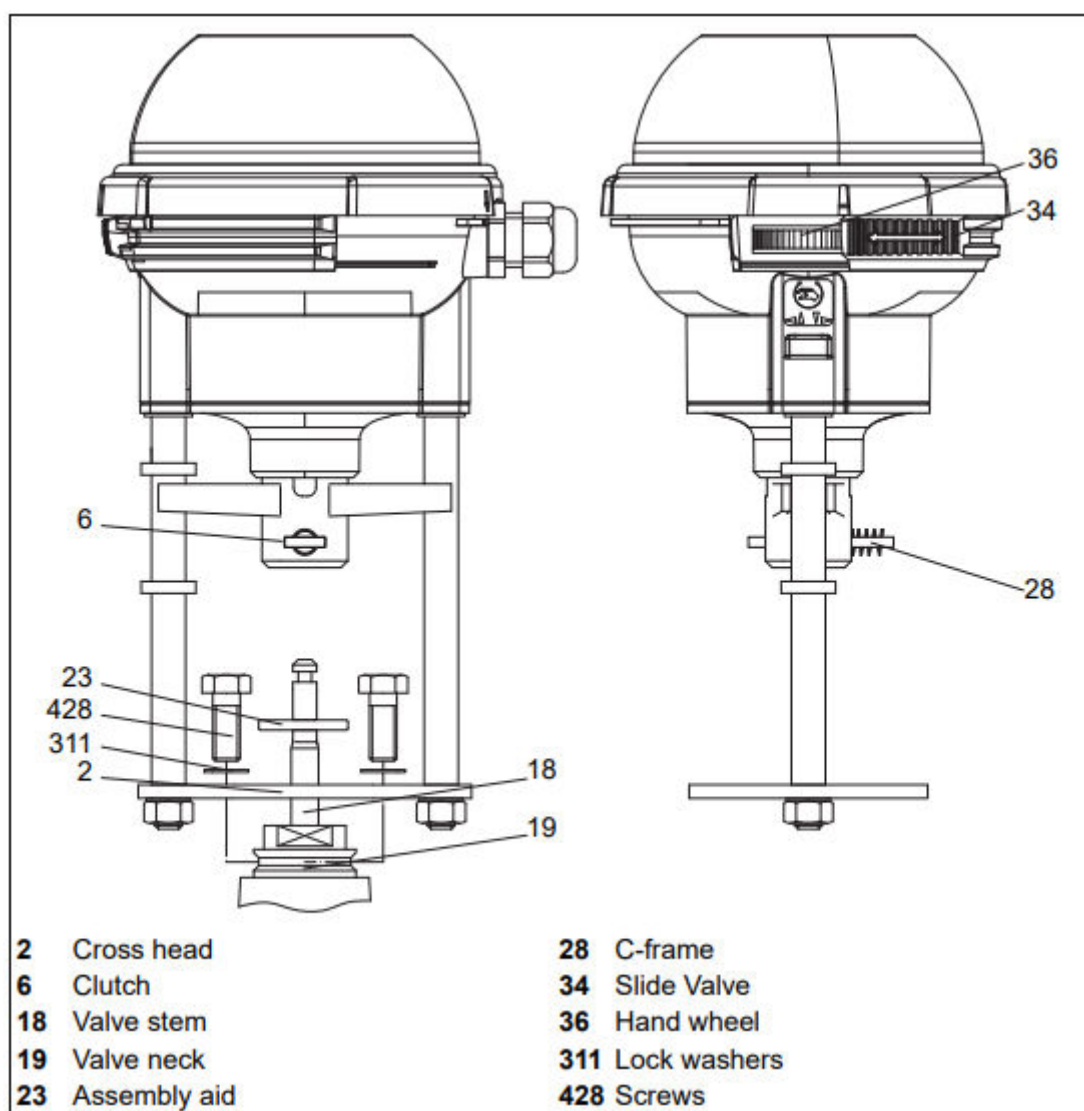
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CONTENTS

1. MC55, MC100 actuator (up to valve size DN80).....	3
1.1 Schematic overview.....	3
1.2 Disassembly	4
1.3 Assembly	5
2. MC160, MC220, MC500 actuator (valve size DN100 and up)	6
2.1 Schematic overview.....	6
2.2 Disassembly	7
2.3 Assembly	9
Notes	10

1. MC55, MC100 ACTUATOR (UP TO VALVE SIZE DN80)

1.1 Schematic overview



1.2 Disassembly

Preparation

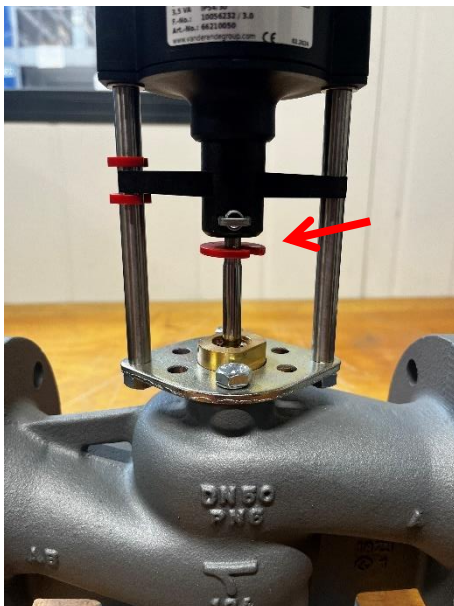
Make sure the actuator is voltage-free.

Tools

- 13 mm wrench

Disassembly

1. Push the valve shaft lock (6) and pull the shaft (18) down slightly. The shaft is now decoupled from the actuator.

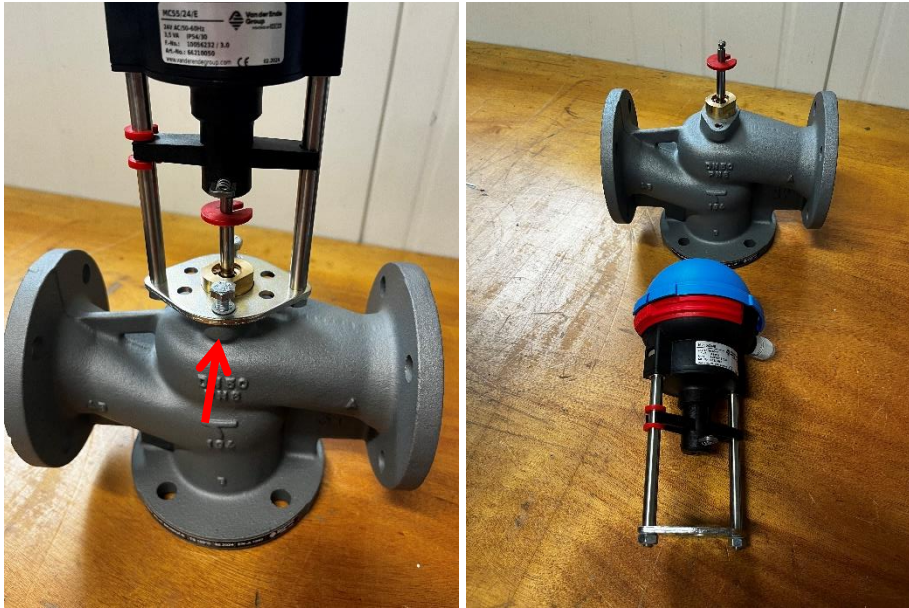


Shaft Coupled



Shaft decoupled

2. Remove bolts (**428**) and lock washers (**311**) with a 13 mm wrench. The actuator can now be removed.

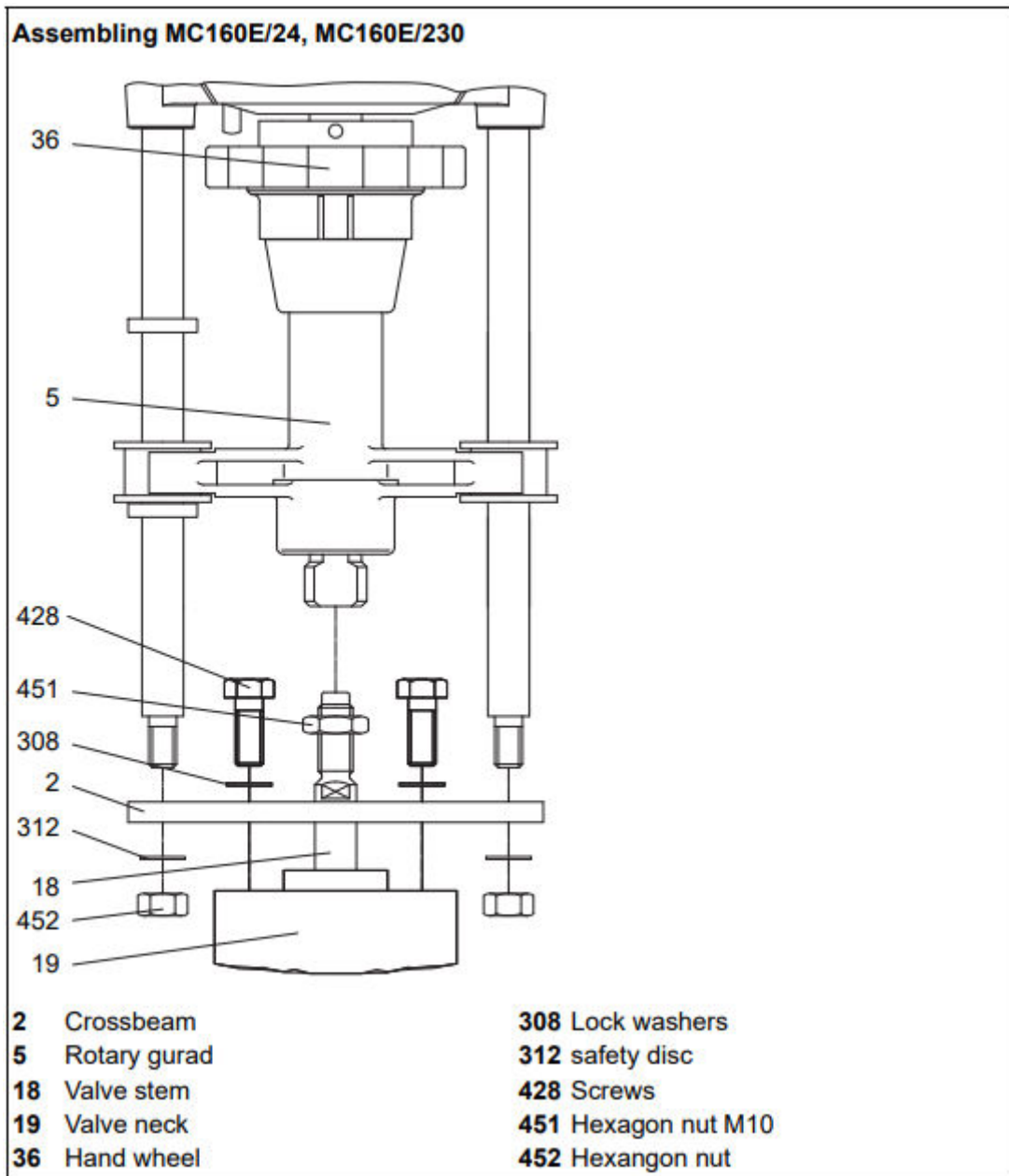


1.3 Assembly

1. Reattach the actuator with bolts (**428**) and lock washers (**311**).
2. Push the lock (**6**) of the shaft and slide the shaft (**18**) slightly upwards so that it connects to the actuator again.
3. The Horti Valve has now been reassembled.

2. MC160, MC220, MC500 ACTUATOR (VALVE SIZE DN100 AND UP)

2.1 Schematic overview



2.2 Disassembly

Preparation

Make sure the actuator is voltage-free.

Tools

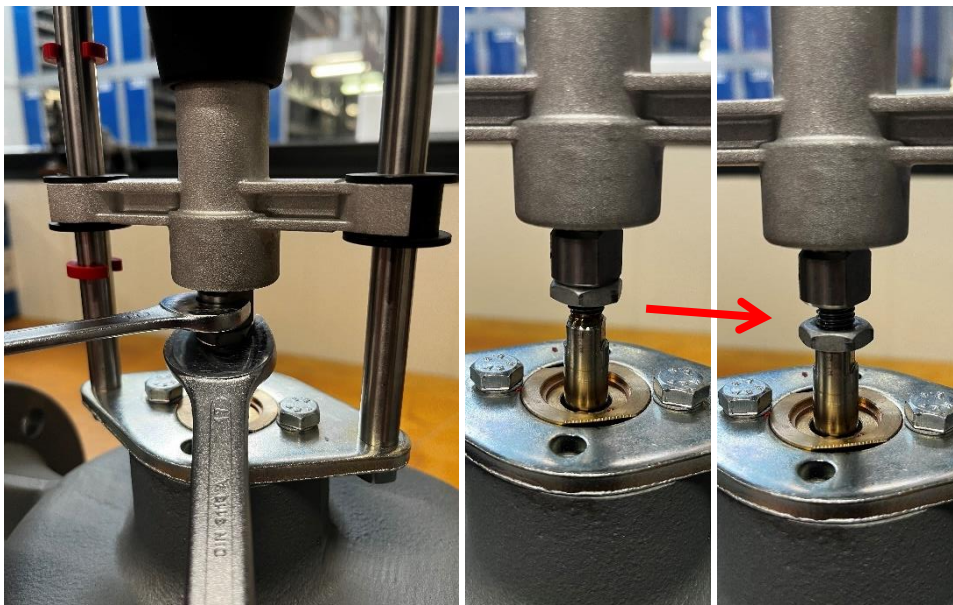
- 9 mm wrench
- 13 mm wrench
- 17 mm wrench

Disassembly

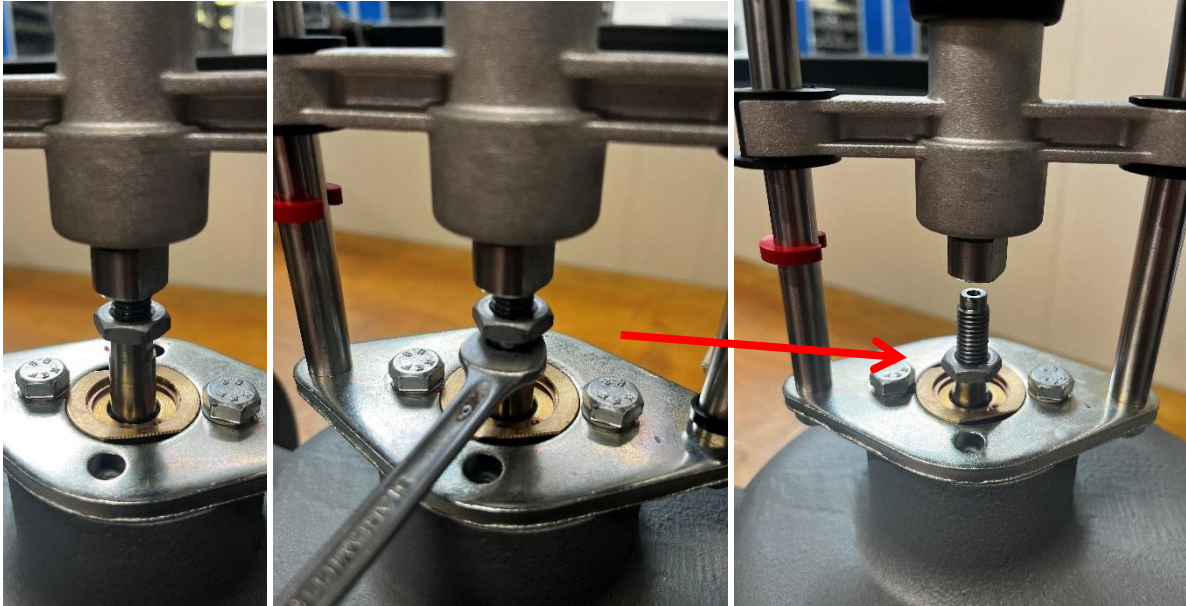
1. Put the valve in manual control with the handwheel (36) and turn it up to the center position.



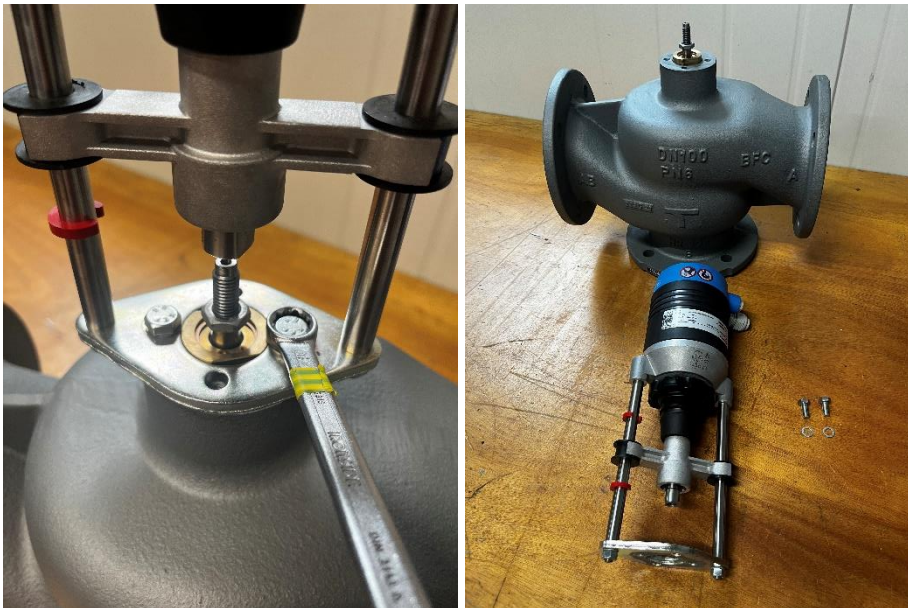
2. Turn the locknut (451) downwards. Use a 13 mm and 17 mm wrench for this.



3. Now unscrew the shaft (**18**) completely from the actuator with a 9 mm wrench. If it cannot be unscrewed completely, the valve is too low. Turn it up to the center position.



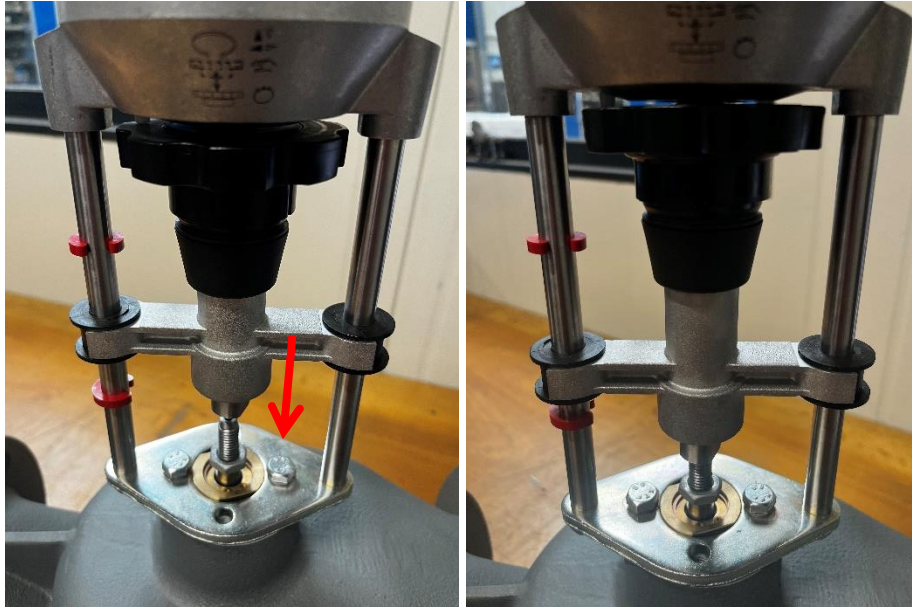
4. Remove the bolts (**428**) and lock washers (**308**) with a 13 mm wrench. The actuator can now be removed.



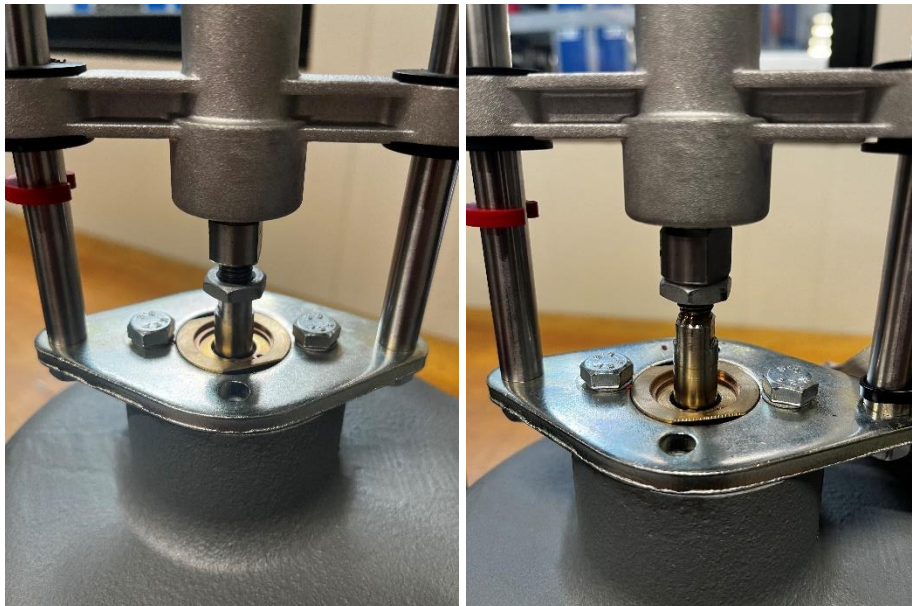
2.3 Assembly

Follow the previous steps in reverse.

1. Reattach the bolts (**428**) and lock washers (**308**).
2. Rotate the actuator down with the handwheel (**36**) so that it touches the valve shaft (**18**).



3. Screw the valve shaft (**18**) back into the actuator until it cannot go any further with a 9 mm wrench. Then tighten the locknut (**451**) against the actuator.



4. The Horti Valve has now been reassembled.



This image shows a blank sheet of white paper with horizontal ruling lines. The lines are evenly spaced and extend across the width of the page. There are no margins, text, or other markings on the paper.