

Danfoss

AV210 Externally
Operated Valve



Danfoss AV210 Externally Operated Valve Installation Guide

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Danfoss AV210 Externally Operated Valve



Product Information

Specifications

- Product Name: Externally operated valve Type AV210 – Repair kit
- Model Number: 042R9316
- Brand: Danfoss
- Contains: Two gaskets, One complete valve plate unit (plug and pin)
- Tools needed: Vice, Adjustable wrench, Hammer, Mandrel, Chisel

Product Usage Instructions

Fixing the Valve

1. Fix the valve securely.
2. Remove the sleeve/control top from the valve body.
3. Replace the gaskets with the appropriate ones for bronze and stainless steel valves.

Fixing the Plug and Pin

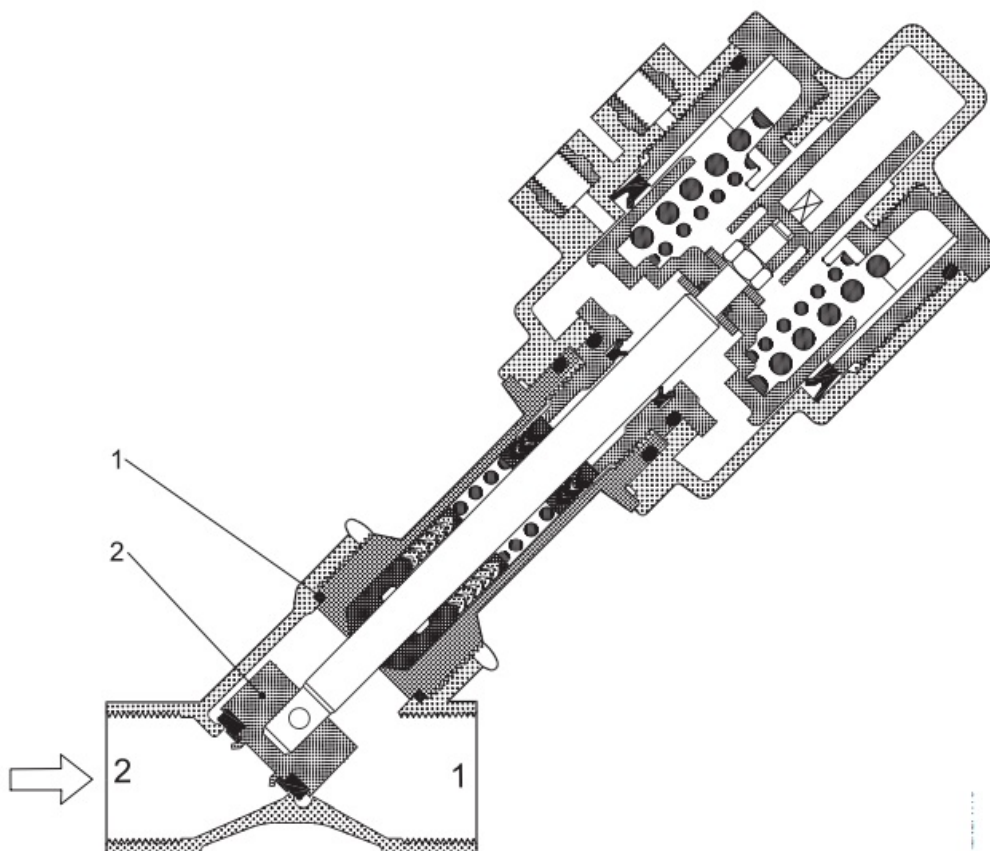
1. Securely fix the plug.
2. Remove the pin carefully.
3. Replace the plug and pin. Mark a cross over the hole on the plug to prevent the pin from passing through.
4. Fix the plug on the piston and fit the pin through the unmarked pin hole.
5. Mark a cross over the unmarked hole to secure the pin in place.

Assembling the Valve

1. Assemble the valve in reverse order of disassembly.

Externally operated valve

Type AV210 – Repair kit



The repair kit contains

1. Two gaskets (1)
(On actuator size 40 (diameter control head) only one gasket included).
 2. One complete valve plate unit (plug and pin) (2).
- Note:** One gasket is for bronze, and one is for stainless steel.

Tools needed

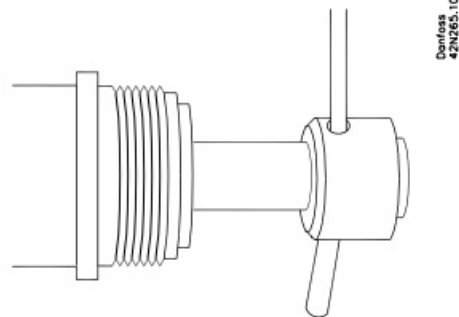
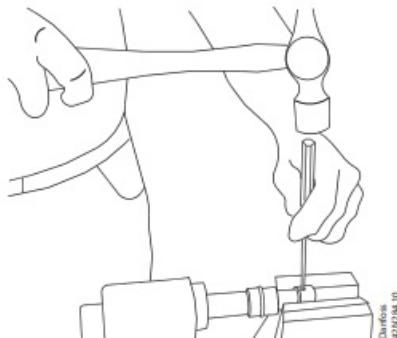
- Vice
- Adjustable wrench
- Hammer
- Mandrel
- Chisel

ASSEMBLY INSTRUCTIONS

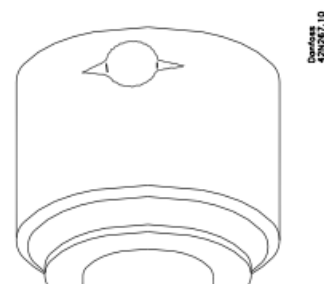
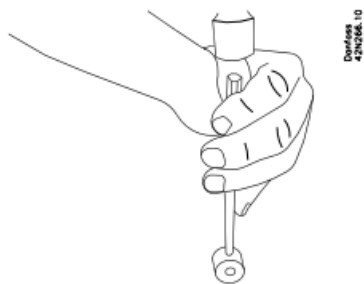
1. Fix the valve.
2. Remove sleeve/control top from the valve body.
3. Replace the gaskets

Danfoss-AV210-Externally-Operated-Valve-fig-2

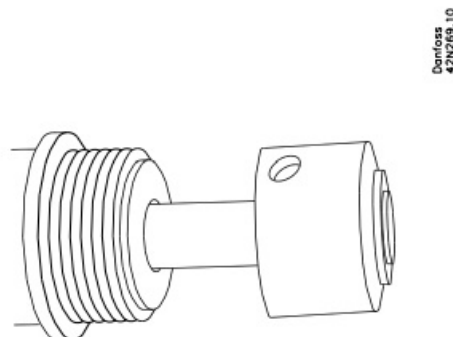
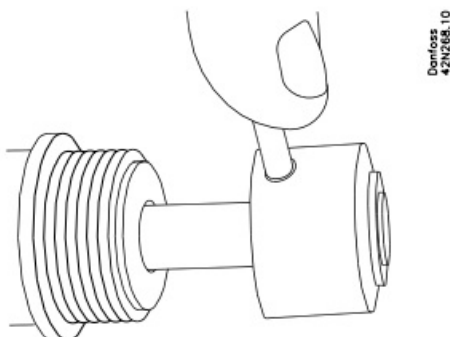
1. Fix the plug.
2. Remove the pin.



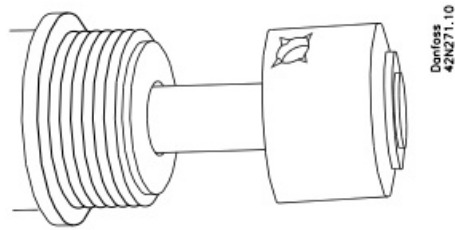
1. Replace the plug and pin.
2. Mark a cross over the hole on the plug with a hammer and a chisel, to prevent the pin to pass through the plug once the new pin is fitted.



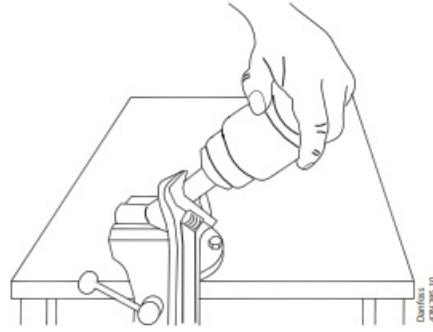
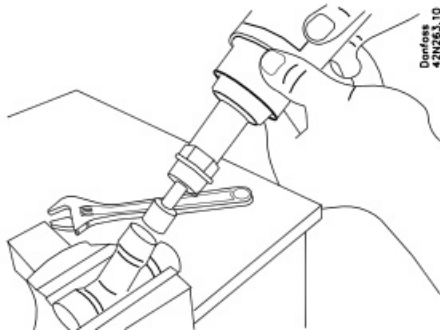
1. Fix the plug on piston.
2. Fit the pin through the unmarked pin hole.



1. Mark a cross over the unmarked hole with a hammer and a chisel to fix the pin in plug.



1. Assemble the valve in reverse order.

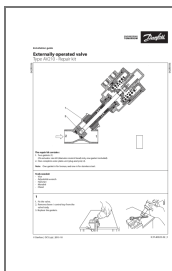


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FAQs

- **Q:** What tools are required for repairing the valve using this kit?
 - **A:** The tools needed for repair include a vice, an adjustable wrench, a hammer, a mandrel, and a chisel.
- **Q:** How many gaskets are included in the repair kit?
 - **A:** The repair kit contains two gaskets. Note that on actuator size 40, only one gasket is included.
- **Q:** What is the purpose of marking a cross over the hole on the plug?
 - **A:** Marking a cross over the hole on the plug helps prevent the pin from passing through once the new pin is fitted, ensuring proper assembly.

Documents / Resources



[Danfoss AV210 Externally Operated Valve](#) [pdf] Installation Guide
042R9316, 42N277.10, 42N285.10, AV210 Externally Operated Valve, AV210, Externally Operated Valve, Operated Valve

References

- [User Manual](#)

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