

Maintenance of Safety Valves

What needs to be observed?



Objective of this Presentation. Expand specialised knowledge.

1. Objectives | 2. What needs to be observed?

The objective of this presentation is to point out what is important in **maintenance of safety valves.**



Maintenance of Safety Valves. What needs to be observed?

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- Safety valve maintenance may **only be performed by trained personnel**.
- The maintenance should take place in **intervals** that are **oriented to plant conditions**.
- Corrosive and aggressive media cause **early wear** and thus **shorter maintenance intervals**.
- The same thing applies to a valve that **opens frequently**.



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When reprocessing valves **that are disassembled**, make sure that there are **no changes to the flow geometry**.

This includes the following examples:

- removal of lifting aids on discs
- changing the seat height through turning
- changing the seat chamfer width through excessive lapping work.
- replacement of seats with other inside diameters
- limitation of the spindle stroke through restrictions



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- When **repainting**, make sure that **no paint particles get into the inside of the valve or block moving parts**.
A supplementary load must not be given a protective coating.
- Make sure that **the disassembly and assembly** of threaded valves in systems, **always takes place on the hexagonal collar of the inflow device** and that no tool is used on the body, because twisting the seatings of the seat and disc may cause them to be destroyed.



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- For disassembly and assembly work, **spanners with the matching nominal width** must be used and not slip-joint pliers.



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- When setting the set pressure by turning the pressure screw, **the spindle must be secured against turning at the same time.** Otherwise the sealing surfaces or – if installed – the balanced bellows may be damaged.



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Thank you for your attention.

