

How to Disassemble: Type 437

Disassembly instruction Type 437



Objectives of this Presentation. Increase special knowledge.

1. Objectives | 2. General | 3. General Illustration | 4. Disassembly of the 'Type 437

The aim of this presentation is to give an overview how to **disassemble the LESER Compact Performance Safety Valves type 437**.



General. Compact Performance Safety valves.

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LESER Compact Performance safety valves offer ultimate protection against overpressures in all applications for steam, gases and liquids where smaller capacities are required.

Advantages:

- Great variety of threaded or flanged connections available
- Soft seat for superior tightness
- Valve sizes from 3/8" through 1 1/2"
- Wide range of materials and options to fit any application

Information: The inner parts of the types 437, 438 and 439 are not interchangeable. LESER offers special kits for conversion.

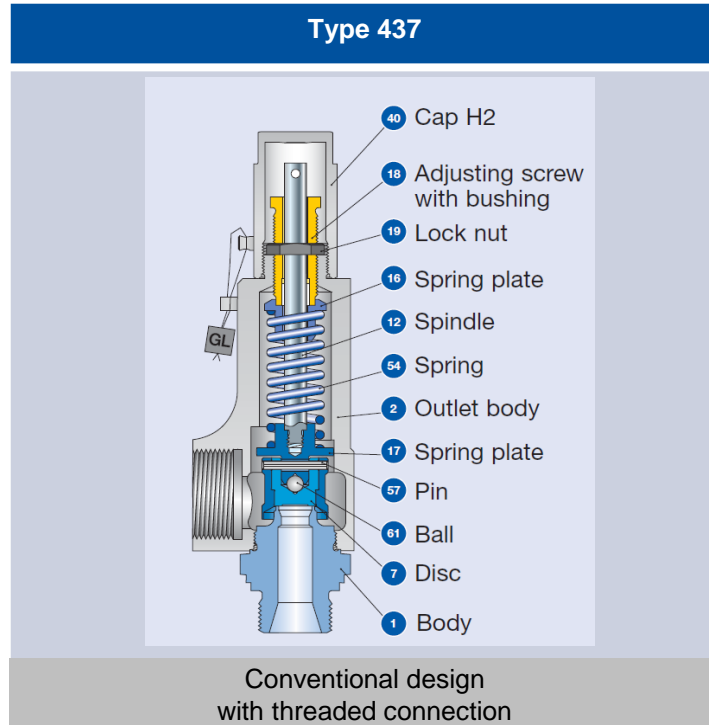


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General Illustration.

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Disassembly of the type 437. 1. Disassembly of the levers and caps. 1.1

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1.1 Disassembly of lever H3.

Step 1.1-1

- Remove the retaining clip. Drive out the pin with a pin punch. Pull off the knob. Unscrew the lever cover from the outlet body.
- Tools: Pin punch

Step 1.1-2

- Remove the cylinder pin. Pull the spindle cap of the spindle.
- Remove the O-ring from the groove of the lever cover.



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Disassembly of the type 437. 1. Disassembly of the levers and caps. 1.2

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1.2 Disassembly of lever H4.

Step 1.2-1

- Unscrew the cylinder pin
- Tools: Flat-tip screwdriver, clamping device

Step 1.2-2

- Screw off the lever cap

Step 1.2-3

- Remove the retaining clip and pin from the spindle cap.



Disassembly of the type 437. 1. Disassembly of the levers and caps. 1.2

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1.2 Disassembly of lever H4.

Step 1.2-4

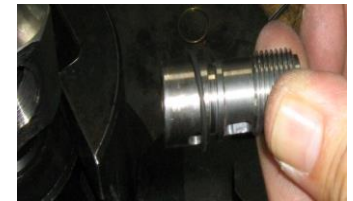
- Unscrew lever cover from the outlet body.
- Tools: Open-end spanner

Step 1.2-5

- Remove the cylinder pin. Pull the spindle cap off the spindle.

Step 1.2-6

- Remove the O-ring from the spindle cap.



Disassembly of the type 437. 1. Disassembly of the levers and caps. 1.3

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1.3 Disassembly of cap H2.

Step 1.3-1

- Unscrew cap H2 from the outlet body.
- Tools: Open-end spanner



Disassembly of the type 437. 2. Releasing the pressure spring.

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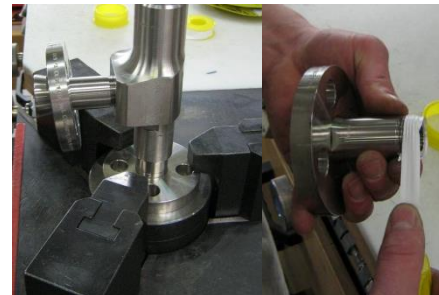
Step 2-1

- Remove the lock nut. Secure the spindle with the splint pin against turning and remove the adjusting screw.
- Turn the adjusting screw against the pin punch (do not remove the pin punch).
- Tools: Pin punch, Open-end spanner

3. Disassembly of flange connections

Step 3-1

- Unscrew outlet flange from outlet body and remove the sealing tape.
- Unscrew outlet body from inlet flange and remove the sealing tape..



Disassembly of the type 437. 4. Disassembly: Cylindrical threaded connectors.

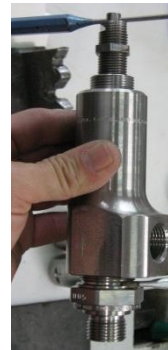
1. Objectives | 2. General | 3. General Illustration | 4. Disassembly of the 'Type 437'

Step 4-1

- Remove outlet body from inlet body (spindle and disc are still secured).
- Remove inlet body from clamping device.
- Tools: Open-end spanner, Pin punch

Step 4-2

- Screw inlet body out of outlet body

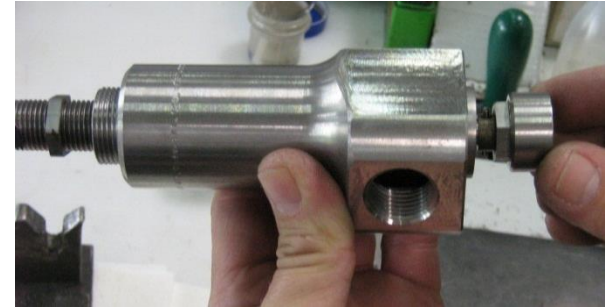


Disassembly of the type 437. 5. Disassembly of the spindle assembly.

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Step 5-1

- Remove adjusting screw from splint pin. Pull the splint pin out of the hole. Pull the spindle assembly out of the outlet body.
- Tools: Pin punch



Step 5-2

- Pull the spring plate and spring off the spindle.
- Remove the pin (connects disc/spindle). Separate disc and spindle.



Disassembly of the type 437. 6. Releasing the adjusting screw.

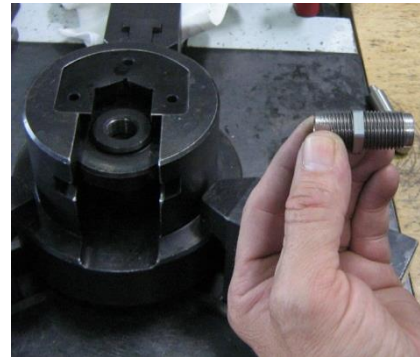
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Step 6-1

- Screw adjusting screw out of outlet body.

Step 6-2

- Unscrew lock nut from adjusting screw.



How to disassemble Compact
Thank you for your attention.

