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Compact Performance

Types 437, 438, 439, 481

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1 Purpose

This LESER Global Standard (LGS) is disassembly documentation for different installation types of LESER safety valves of the Compact Performance series. The required work steps and tools are described.

2 Scope

This document must be used in the removal of Compact Performance safety valves in agencies and subsidiaries of LESER GmbH & Co. KG.

3 Disclaimer

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4 Qualified fitting personnel

LESER safety valves may only be disassembled by trained or qualified fitters. The qualifications must be obtained through the appropriate training measures.

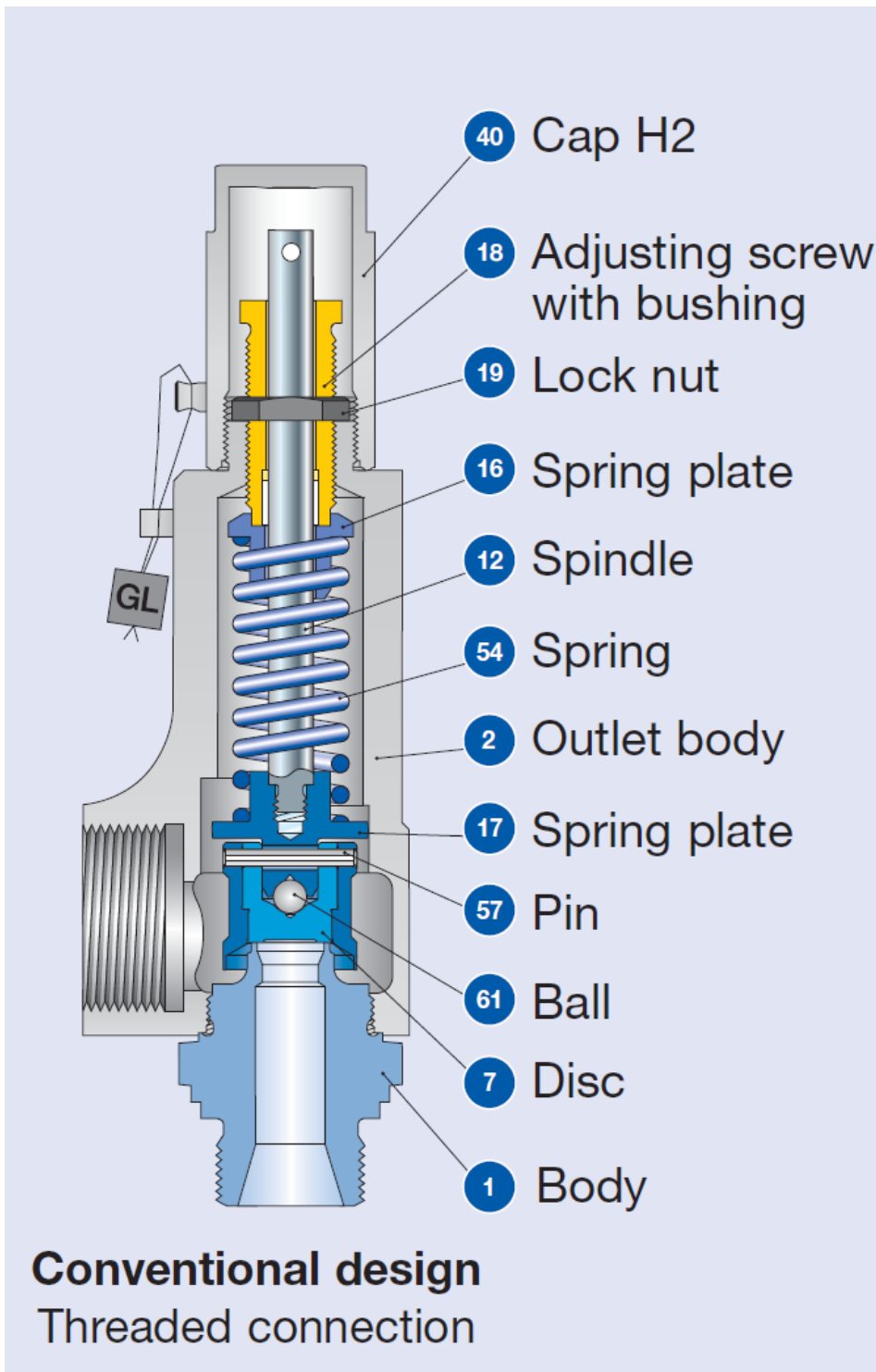
5 General Information



- Gloves must be worn during the entire disassembly operation.
- Wear safety glasses

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6 General illustration



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Figure 6-1: Cross-sectional view of type 437

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7 Dismantling of the Compact Performance series

Screw the safety valve onto the clamping device in accordance with the assembly device catalogue and remove the sealing if it is present.

7.1 Removal of the levers and caps

7.1.1 Removal of lever H3




Illustrations	Description	Aids / Tools
 <p>Figure 7.1.1-1</p>	<p>Remove the retaining clip. Drive out the pin with a pin punch. Pull off the knob. Unscrew the lever cover from the outlet body.</p>	<p>Pin punch</p>
 <p>Figure 7.1.1-2</p>	<p>Remove the cylinder pin. Pull the spindle cap off the spindle. Remove the O-ring from the groove of the lever cover.</p>	

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7.1.2 Dismantling lever H4

Illustrations	Description	Aids / Tools
 <p>Figure 7.1.2-1</p>	<p>Unscrew the cylinder pin.</p>	<p>Flat-tip screwdriver Clamping device</p>
 <p>Figure 7.1.2-2</p>	<p>Screw off the lever cap.</p> <p>Attention: left-handed thread</p>	
 <p>Figure 7.1.2-3</p>	<p>Remove the retaining clip and pin from the spindle cap.</p>	

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Illustrations	Description	Aids / Tools
 <p>Figure 7.1.2-4</p>	<p>Unscrew lever cover from the outlet body.</p>	<p>Open-end spanner</p>
 <p>Figure 7.1.2-5</p>	<p>Remove the cylinder pin. Pull the spindle cap off the spindle.</p>	
 <p>Figure 7.1.2-6</p>	<p>Remove the O-ring from the spindle cap</p>	

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7.1.3 Dismantling the cap H2

Illustrations	Description	Aids / Tools
 <p>Figure 7.1.3-1</p>	<p>Unscrew cap H2 from the outlet body.</p>	<p>Open-end spanner</p>


7.2 Releasing the pressure spring

Illustrations	Description	Aids / Tools
 <p>Figure 7.2-1</p>	<p>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), until the spring is completely unstressed and the disc is lifted up from the seat.</p>	<p>Pin punch Open-end spanner</p>

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7.3 Dismantling flange connections

Illustrations	Description	Aids / Tools
 <p data-bbox="185 891 336 918">Figure 7.3-1</p>	<p data-bbox="922 450 1193 712">Unscrew outlet adapter from outlet body and remove the sealing tape. Unscrew inlet body from outlet body and remove the sealing tape.</p>	

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7.4 Dismantling cylindrical threaded connectors

Illustrations	Description	Aids / Tools
 <p>Figure 7.4-1</p>	<p>Remove outlet body from inlet body (spindle and disc are still secured).</p> <p>Remove inlet body from clamping device.</p>	<p>Open-end spanner</p> <p>Pin punch</p>
 <p>Figure 7.4-2</p>	<p>Screw inlet body out of outlet body.</p>	



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7.5 Removal of the spindle assembly



Illustrations	Description	Aids / Tools
 <p>Figure 7.5-1</p>	<p>Remove adjusting screw from splint pin. Pull the splint pin out of the hole. Pull the spindle assembly out of the outlet body.</p>	<p>Pin punch</p>
 <p>Figure 7.5-2</p>	<p>Pull the spring plate and spring off the spindle. Remove the pin (connects disc/spindle). Separate disc assembly and spindle.</p>	

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7.6 Releasing the adjusting screw

Illustrations	Description	Aids / Tools
 <p>Figure 7.6-1</p>	Screw adjusting screw out of outlet body.	
 <p>Figure 7.6-2</p>	Unscrew lock nut from adjusting screw.	

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