1. Remove the valve from the system.

Spring Replacement Instructions

2. If replacing the contents of the seal kit only, proceed to step 8.

3. Loosen the cap.

4. Remove the cap and the spring.

5. Insert the new spring.

6. Thread the cap onto the bonnet 9 turns.

7. If replacing the spring only, proceed to Adjusting the Set Pressure.

WARNING
Before removing any installed valve, you must
• depressurize the system
• cycle the valve
• purge the valve

WARNING
Residual material may be left in the system.

CAUTION
Do not scratch any sealing surfaces while following these instructions. Valve performance could be affected.

Definition of Symbols

Seal kit contents are in bold.

The spring kit contains only a spring.

RL3 Series
Exploded View

Definition of Symbols

Exploded View

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Seal kit contents are in bold.
1. Grip the valve on the wrench pad and loosen the cap.
2. Remove the cap and spring.
3. Remove the plug from the cap.
4. Use a pic to remove the sleeve.
5. Remove the spring support.
6. Insert the pull rod.
7. Compress the sleeve to reinstall it into the bonnet.
8. Reinstall the spring.
9. Plast the cap on the spring.
10. Thread the handle onto the pull rod.
11. Tighten the set screw to 10 in.-lb (1.1 N·m).
12. Thread the cap onto the bonnet 9 full turns.
13. To adjust set pressure, see Adjusting the Set Pressure.

WARNING
Before servicing any installed valve, you must:
• depressurize system
• cycle valve
• purge the valve
WARNING
Residual material may be left in the valve and system.
CAUTION
Do not scratch any sealing surfaces while following these instructions. Valve performance could be affected.

Swagelok proportional relief valves should never be used as code safety relief valves. Some system applications require relief valves to meet specific safety codes. The system designer and user must determine when such codes apply and whether these relief valves conform to them.

Swagelok proportional relief valves are not “Safety Accessories” as defined in the Pressure Equipment Directive 2014/68/EU:

Translations available on www.swagelok.com

RL3 Series Externally Adjustable Relief Valves
Manual Override Handle Conversion Instructions

Definition of Symbols

Tools Required

<table>
<thead>
<tr>
<th>Tool</th>
<th>Size</th>
<th>Component</th>
</tr>
</thead>
<tbody>
<tr>
<td>Open-end wrench</td>
<td>3/4 in.</td>
<td>Cap</td>
</tr>
<tr>
<td>Thin head wrench</td>
<td>5/16 in.</td>
<td>Cap</td>
</tr>
<tr>
<td>Pic</td>
<td>1/4 in.</td>
<td>Set screw</td>
</tr>
<tr>
<td>Pull rod</td>
<td>30 in.</td>
<td>Set screw</td>
</tr>
<tr>
<td>Hex bit</td>
<td>5/64 in.</td>
<td></td>
</tr>
<tr>
<td>Set screw</td>
<td>3/4 in.</td>
<td>Cap</td>
</tr>
<tr>
<td>Pic</td>
<td>n/a</td>
<td></td>
</tr>
<tr>
<td>Sleeve</td>
<td>n/a</td>
<td></td>
</tr>
</tbody>
</table>

Kit contents

Handle
Pull rod

Translations available on www.swagelok.com