



I. PRINCIPAL OF OPERATION

The Ruelco “**Model 7500**” Relief valve is an all stainless steel, soft seat valve, capable of operating pressures from 50 to 10,000 psi. The small size of the Relief valve makes it ideal for designs in which space is limited. The soft seat design ensures long life and repeatability even in corrosive systems.

II. INSTALLATION

The “**Model 7500**” Relief Valve should be installed within a system where the highest pressure will be seen, but before any critical components. This will ensure over protection from high pressure fluctuations.

The inlet should be connected to the bottom of the Relief Valve and the vent port should be connected to the side port.

Note:

The vent port should be free flow and not experience any back pressure.

III. DISASSEMBLY (REFER TO SPEC. SHEET 6001)

Tools required are as follows:

- 7/8” Wrench
- 3/8” Wrench
- Adjustable Wench

1) Place the 3/8” Wrench on the Spring Cap(Item 1) and completely loosen from Spring Housing (Item 3).

2) The Spring (Item 4) and the Spring Plate (Item 5) can now be removed.

3) Using the Adjustable wrench to hold the Body (Item 7), use the 7/8” wrench to loosen the Spring Housing from the Body.

4) The Piston (Item 12), Outer Sleeve (Item 10), and Seal Guide (Item 8) can now be removed.

IV. REPAIR AND ASSEMBLY

1) Using an appropriate safety solvent like Varsol, clean all parts.

2) Visually inspect all parts for burrs, nicks, dings, etc.

3) Place the Seal Guide into the Body facing the correct direction, with the small OD upward.

4) Gently place the Head Seal (Item 9) into the Body and into the groove created by the Seal Guide.

5) Drop the Outer Sleeve into the body.

6) Lubricate body Piston Seal (Item 11) and install on Spring Housing (Item 3).

- 7) Insert the Piston (Item 12) into the Spring Housing.
- 8) Lubricate and install the Body Seal (Item 6) onto the Spring Housing.
- 9) Gently thread the Spring Housing into the Body until flush. This will require the use of both wrenches.
- 10) Finally, place the Spring plate, then Spring, then Thread the Spring Cap into the Housing.

V. RECOMMENDED MAINTENANCE

PROCEDURE and INTERVAL

Operate Manually - Every 30 days.

Disassemble and inspect - Yearly or as required.

Replace seals - Every two (2) years or as required.