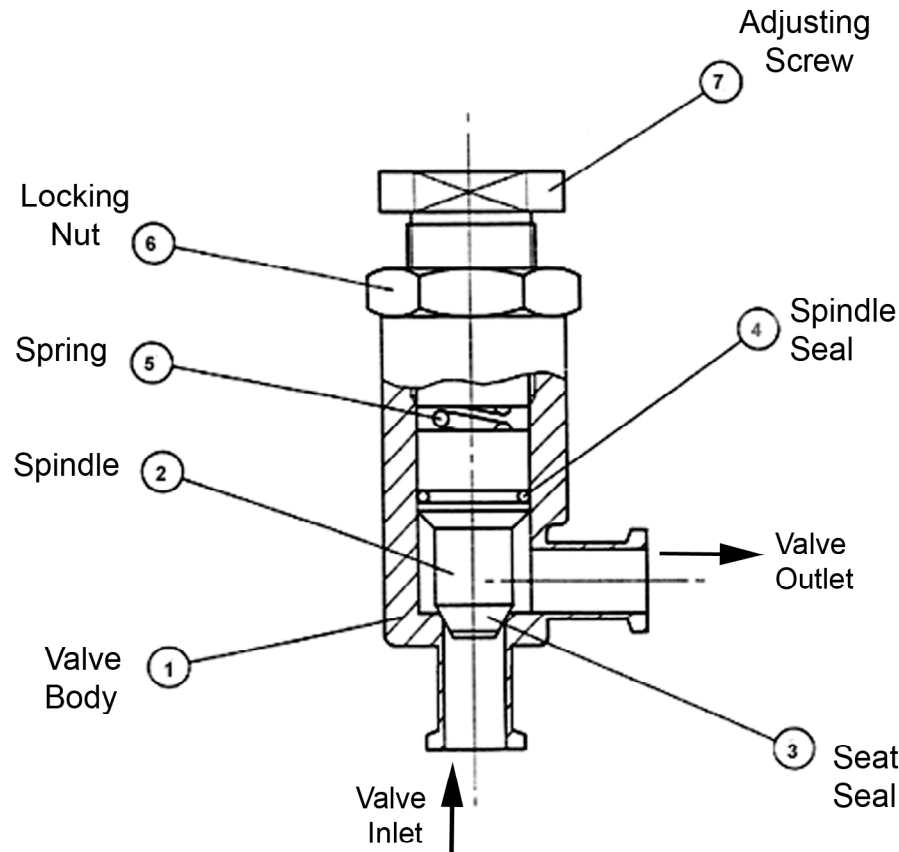




# Diamond Miniature Pressure Relief Valve Maintenance Instructions



## Please Note:

It is recommended that a calibrated pressure gauge and hydrostatic test rig / hand pump are used to carry out this procedure. Alternatively contact DPL to arrange our factory re-setting service.

## Relief Pressure Adjustment:

1. Ensure that the important safety precautions have been followed from page 1 of this document prior to removing the valve from the process line.
2. Fit the lower valve connection (inlet) to your pressure test rig.
3. Hold the adjusting screw item 7 in place with a suitable spanner and loosen the lock-nut item 6 (with a second spanner). Unscrew the locknut clear of the valve body to allow room for adjustment.
4. Apply water pressure to the valve inlet, slowly increasing the pressure until the valve seat lifts. Note the relief pressure at this point. Release the pressure to zero.
5. The adjusting screw item 7 can now be rotated clockwise to increase the relief pressure or anti-clockwise to decrease. Repeat step 4 until the required relief pressure is achieved.
6. Once the desired relief pressure is reached, the adjusting screw should be held in place with the spanner and locknut item 6 re-tightened to ensure that the adjuster screw is locked in place.
7. Apply water pressure once more to ensure that the relief pressure is correct. If adjustment is required, follow the procedure once more to make the adjustment. Ensure that the pressure is at zero prior to removing the valve from the test rig.