

Burkert Solenoid Inspection and Cleaning Procedure

Most solenoid problems result from dirt or debris interference with the internal moving parts or clogging of the diaphragm bleed hole. If these problems occur, we recommend that an In-line strainer (part # 71605) be installed prior to the solenoid if none exists. Two Parker fittings will also be required to install the Line Strainer. For the Pulsar® 3, order two W8MC8 Parker fittings (part # 71890) to complete the installation requirements. Reduce solenoid failure by mounting the solenoid upright with the black coil on top.



Figure 1



Figure 2



Figure 3



Figure 4

Remove Solenoid from chlorinator or its' mounting place or bracket as shown in figure 1. Remove the timer (if applicable) and the solenoid coil as shown in figure 2. Remove the O-ring and plastic cover as shown in figure 3. Use Torx #20 driver to remove four screws as shown in figure 4.



Figure 5



Figure 6



Figure 7



Figure 8

Carefully remove cover as shown in figure 5 and remove diaphragm as shown in figure 6. Clean bleed hole as shown in figure 7 and remove dirt from diaphragm shown in figure 8.



Figure 9



Figure 10



Figure 11

If valve seat is rough with scale as shown in figure 9 use fine steel wool to clean and smooth surface as shown in figure 10 until seat surface is smooth as shown in figure 11.

Reassemble valve making sure that the two springs are put back in their proper place. Use Torx # 20 driver to tighten screws and replace plastic cover and coil.