Warning: Be aware of the pressure, temperature, media, and voltage requirements for your particular valve. Please refer to our website at www.StcValve.com for more detailed specifications.

Maintenance Procedures

Direct Acting Valves:

1. Remove any coils attached to the valve.
2. Unscrew the armature tube and remove it from the valve body. The plunger and spring are not fastened to the tube and will fall out.
3. Check for any debris that may have collected on the plunger and the hole in the center of the valve.
4. Place the spring back in the plunger, and insert the plunger back into the armature tube.
5. Screw the armature tube back into the valve, and reattach the coils.

Direct Lift Diaphragm Valves:

1. Remove any coils attached to the valve.
2. Unscrew the four screws around the top of the valve and remove the valve upper body.
3. Check for debris under the inside armature tube. Remove the diaphragm.
4. Check for debris around the lip of the inner chamber of the valve lower body.
5. Place the spring in back in the valve upper body, and line up the holes in the diaphragm and valve upper body for the screws.
6. Replace and tighten the screws, and reattach the coils.

Figure 1: Complete assembly of the direct acting valve.

Figure 2: Direct acting valve with all components shown. Debris on the plunger may lead to valve malfunction.

Figure 3: Valve body. Debris around the center hole may lead to valve malfunction.

Figure 4: Complete assembly of direct lift diaphragm valve

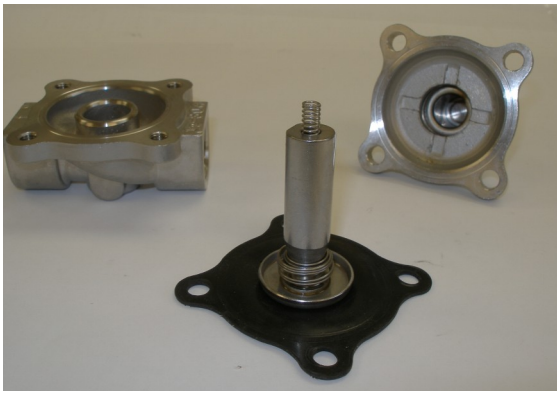


Figure 5: Direct lift diaphragm valve with all components shown

Figure 6: Diaphragm. Debris in the center hole may cause valve malfunction

Figure 7: Lower body. Debris in the lip of the inner chamber may cause valve malfunction

Warning: Be aware of the pressure, temperature, media, and voltage requirements for your particular valve. Please refer to our website at www.StcValve.com for more detailed specifications.

ELECTRICAL CONNECTION PROCEDURE

A: DIN Connector:

[1] Remove the Philips screw from the plastic housing.
[2] Unplug the plastic housing from the DIN coil.
[3] From the screw opening, use the screw to push the terminal block out of the plastic housing.
[4] Note the "1", "2", and ground markings on underside of terminal block.
[5] For DC DIN coil, connect 1 to positive, 2 to negative.
[6] For AC DIN coil, connect 1 to HOT wire, 2 to neutral wire, and if required connect ground to ground wire.

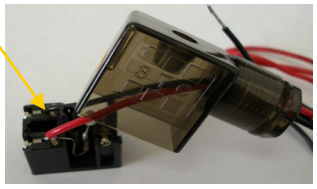
B: Grommet/Lead Wire Connector:

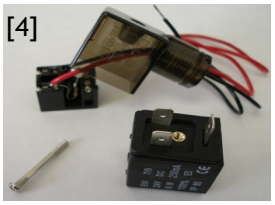
DC: Red=Positive, Black=Negative
AC: Black=Hot, White=Neutral/Common


[1]


[2]

[3] Top of the wiring terminal block




[4]

[5] & [6]