

Field Modifications

Coil Replacement

All Atkomatic valves are designed for easy coil replacement without removing the valve from the line. This involves removal of 1 to 4 fastener(s) and does not break into fluid containment

AC to DC conversion

This can be accomplished on most valves in the field by just changing coils with the following exceptions. The 13,000, 30,400, 30800, 35,000, 40,000, and 50,000 series valves require the installation of an endplate with the DC coil when converting from AC operation:

The 12,000 and 14,000 series valves require the replacement of the complete coil housing assembly and the cylinder cap to switch from AC to DC or DC to AC operation. This conversion is not recommended for the field.

NOTE: Converting from AC to DC operation will usually result in lower operational pressures.

DC to AC conversion

This can be accomplished on some valves in the field. The following valves can be converted by just changing coils: HS, JJ, 1000, 2000, 7000, 15800, and 15-794. The following valves can be converted only in their normally closed configurations: 500, 3000, 4000, 5000, 6000, 8000, 15,400, and 16,000 series.

The following valves require shading rings for AC service which can only be installed at the factory and cannot be converted to AC service in the field:

- 12,000 & 14,000 series
- Normally open & closed 30,400, 30,800, 35,800, 40,800, and 50,000 series
- All versions of the 13,000 series
- Normally open 501, 3001, 4001, 5001, 6001, 8001, 15401, and 16,001 series.

For more detailed instructions on coil replacement see the Installation, operating, & troubleshooting instructions for the specific valve series. These are available from the factory, authorized distributors, and on the Internet at <http://www.circle-seal.com/Atkomatic.html>.

Converting from normally closed to normally open & visa versa

This conversion is not recommended for the field. It is possible to do at the factory, however it is usually more economical to procure a new valve.

Converting valves to operate at a higher operational pressure and/or on a different fluid

This conversion is not recommended for the field. It is possible to do at the factory.

Adding or deleting position indicator, manual opening, or manual throttling options

This conversion is not recommended for the field. It is possible to do at the factory.

NOTE: All Atkomatic valves are built exclusively for the type of fluid and pressure indicated on the product nameplate. Attempted usage at higher pressures and/or different fluids can result in immediate or delayed valve malfunction (failure to open or close and/or leakage).