Maintenance

**MP0200/NG (2 inch) Minimum Pressure Check Valve for Natural Gas**

**WARNING:** Only properly trained technicians should service, adjust or replace Air-Con valves. Always relieve system pressure and otherwise ensure valve is depressurized prior to servicing, adjusting or replacing an Air-Con valve. The valve operates in a hot environment so allow the valve to cool before servicing. Ensure the valve is properly reassembled and mounted before pressurizing system. Do not adjust the valve when the system and/or valve is pressurized. Failure to follow this warning may result in valve component parts and/or hot fluids being ejected at high velocities that could result in a serious bodily and/or fatal injury.
Kit Instructions for Bench Maintenance
MP0200/NG (2 inch) Minimum Pressure Check Valve for Natural Gas

Disassembly and Cleaning

1) Unscrew and remove the cap [9] and main spring [6]. When removing the main spring [6], watch for the number and placement of the washers [8] (if applicable), due to the grease, they may stick to the top of the spring or in the cap [9]. Washer(s) [8] will have to be replaced in their original position.
   • Valves used for natural gas will have an extra o-ring [7] over the exterior of the cap [9] that sits between the cap and body [1]. This helps to prevent natural gas from leaking through the cap.
2) Wipe out any excess grease, dirt and debris from the inside of the body where the main spring [6] and cap [9] were in order to prevent damage to the piston [4] during removal.
   a. The poppet spring [3] is not permanently attached so it may fall out during the removal.
5) Completely clean the body [1] removing any grease, oil, moisture and debris.
6) Inspect the poppet [2] and poppet seat in the body [1] to insure there are not any nicks to prevent the poppet [2] from making a good seal. Lightly sand the seat if necessary.

Reassembly

1) Where grease is required, Lubriplate® 1552 multi-purpose, lithium complex grease (or equivalent) is suggested.
3) Install the new piston o-ring [5] in the piston o-ring groove and make sure it is completely seated. Use the excess grease to lightly coat the outside of the piston including the piston shaft.
4) Lightly grease the piston bore in the body [1].
7) Apply grease on both sides of the washer(s) [8] (if applicable).
8) Install the main spring [6] making sure the washer(s) [8] (if applicable) are in the original position that they were removed from.
9) Lightly grease cap o-ring [7] and place on exterior of the cap [9]. This o-ring will prevent gas from leaking from the body [1] through the cap [9].
10) Grease the first entry thread of the cap [9] and reinstall the cap. Screw and tighten the cap [9] until it firmly is seated against the body [1].
11) After installation of the valve in the system, bubble check the valve under pressure to ensure no leaks from port connections or from cap [9].