A. Failure to read and follow all instruction carefully before installing or operating this solenoid valve could cause personal injury and/or property damage. Save these instructions for future use.

B. NOTE FOR SAFETY

Warning
- When removing the solenoid coil from the valve body, be sure to cut out the power supply as the coil may burn.
- Do not apply the different voltage from the voltage marked on the coil label.
- While power is on, do not touch the housing cover as personal injury may be caused.
- Do not put any inflammable thing around the coil as it could catch fire due to the coil heat.
- Do not apply excessive force and/or any impact to the coil as it may cause valve failure, burn-out and leakage trouble due to deformation.
- Do not heat the solenoid coil as the coil might be burned out.
- Do not carry the valve with holding the lead wire only as it may cause coil burn-out.
- Be careful to scratch flared part and or brazing point as it might cause leakage trouble.
- Remove any foreign material or dust in the pipe as it may cause failure of the solenoid valve.
- Mounting position should be in the following range.
- Do not apply the different voltage from the voltage marked on the coil label.

C. SPECIFICATIONS

As for the following specification, there is a case different from indication of a product.

- Max Bursting Press. 4.95 MPa {50.5%}(※1)
- Min Operating Press Diff. 0 MPa {0%}(※1,※2,※3)
- Rated Voltage. 24VAC/DC
- Fluid Temp. -30 to +120℃
- Ambient Temp. -30 to +50℃
- Fluid Fluorinated Refrigerant (Please contact Saginomiya when other kind of refrigerant is used.)
- Corrosion may cause to malfunction.

Selecting most suitable valve for the equipment is important for better control.

Refer to the above mentioned brief specifications of this Solenoid Valve.

Installation

• Make sure that the supply voltage conforms to the voltage marked on the label. It may cause burning (or fusing) of coil, or malfunction if incorrect voltage is supplied.
• Do not carry the valve with holding the lead wire only as it may cause coil burn-out.
• Be careful to scratch flared part and or brazing point as it might cause leakage trouble.
• Remove any foreign material or dust in the pipe as it may cause failure of the solenoid valve.
• Mounting position should be in the following range.
• Grounding is required at a suitable position on the unit.

- Check the direction of the fluid when install it. Install it as shown in the figure below so that the direction of the arrow may become the same.

- Mounting of the Valve Body and Piping connection should be tightly fixed.
- Do not install a check valve at the inlet side as it may cause liquid sealing condition on the pipe inside and may cause damage due to excessive pressure.
- Soldering must be carried out with the coil removed. It may cause valve leakage or malfunction.
- Prior to solder the tubes, fill inside the valve with inactive gas (such as nitrogen or carbonic dioxide) in order to avoid the generation of oxidescales. It may cause valve leakage or malfunction.
- Do be careful that water does not enter into the pipe.
- Be sure to cool the body while soldering the tubes in order to keep the body temp under 200℃. Soldering must be carried out with the coil removed. It may cause valve leakage or malfunction.

- Prior to solder the tubes, fill inside the valve with inactive gas (such as nitrogen or carbonic dioxide) in order to avoid the generation of oxidescales. It may cause valve leakage or malfunction.
- Be sure to cool the body while soldering the tubes in order to keep the body temp under 200℃. Soldering must be carried out with the coil removed. It may cause valve leakage or malfunction.
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- Prior to solder the tubes, fill inside the valve with inactive gas (such as nitrogen or carbonic dioxide) in order to avoid the generation of oxidescales. It may cause valve leakage or malfunction.
- Be sure to cool the body while soldering the tubes in order to keep the body temp under 200℃. Soldering must be carried out with the coil removed. It may cause valve leakage or malfunction.

Operation

- Before making a maintenance or inspection for the valve, be sure to cut the power supply.
- In case of disassembling or inspection, please contact Saginomiya.
- In case of removing or changing the direction of the coil, tighten the fixing screw(M4×7) at 1.47~1.96N・m(15~20kgf・cm). If the screw is not tighten firmly, it may cause to be any noise or vibration.
- In case of removing or changing the direction of the coil, tighten the fixing screw(M4×7) at 1.47~1.96N・m(15~20kgf・cm). If the screw is not tighten firmly, it may cause to be any noise or vibration.
- In case of removing or changing the direction of the coil, tighten the fixing screw(M4×7) at 1.47~1.96N・m(15~20kgf・cm). If the screw is not tighten firmly, it may cause to be any noise or vibration.
- In case of removing or changing the direction of the coil, tighten the fixing screw(M4×7) at 1.47~1.96N・m(15~20kgf・cm). If the screw is not tighten firmly, it may cause to be any noise or vibration.