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. It may cause burning or failure.
- While power is on, do not touch the housing cover as personal injury may be caused.
- (Coil heats up to 90℃)
- 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 put any inflammable thing around the coil as it could catch fire due to the coil heat.

C. SPECIFICATIONS

In the following specification, there is a case different from indication of a product. Note 1: SI unit (Metric unit)

- Min Bursting Press. 4.35 MPa (63,590 psig) (B1)
- Max Working Press. 3.3 MPa (48,340 psig) (B1)
- Min Operating Press Diff. 0 MPa (0 psig) (※1)
- Ambient Temp. -30 to +120℃
- Fluid Temp. -30 to +100℃

- Fluid Fluorinated Refrigerant (Please contact Saginomiya when other kind of refrigerant is used.)
- Ambient Humidity 95% or less
- Temperature Range -30 to +120℃
- Rated Voltage 24V: - - - - NEV-603DXF
- 12V: - - - - VPV-603D

D. INSTALLATION

Before Installation
- Make sure that the supply voltage conforms to the voltage marked on the label. It may cause burning or failure of coil, or malfunction if incorrect voltage is supplied.
- Do not apply the voltage 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.
- Keep enough space above the coil to allow service and maintenance.
- 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.

E. FEATURE AND APPLICATION

These are Solenoid Valves for Refrigerant circuit in various Refrigeration and Air conditioning equipment and conform to Refrigeration Safety Regulations.

- NEV-603DXF, VPV-603D are small solenoid valves of the normally closed and the pilot operated type.

F. VALVE SELECTION

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

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

G. INSTALLATION

Before Installation
- Make sure that the supply voltage conforms to the voltage marked on the label. It may cause burning or failure 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 pipes as it may cause failure of the solenoid valve.
- Mounting position should be in the following range.
- Mounting of the Valve Body and Piping connection should be tightly fixed.
- Fluid Temp. -30 to +120℃
- Fluid Fluorinated Refrigerant (Please contact Saginomiya when other kind of refrigerant is used.)
- Ambient Humidity 95% or less
- Temperature Range -30 to +120℃

H. MAINTENANCE/INSPECTION

- In case of disassembling or inspection, please contact Saginomiya.
- Be sure to provide the spare parts that are used.

I. OPERATION CHECK

Install the product correctly and then check its operation to confirm the function of the whole system.

J. LIMIT ON APPLICATION

The product is designed and manufactured for such equipment or system that is intended to be used under such circumstances as to relate to human life. For application requiring specially high reliability, please contact Company first.

K. SCOPE OF WARRANTY

Unless otherwise agreed by the parties, warranty period of the Product shall be one year after delivery.

In case of failure attributable to the Company within such period, the Product shall be repaired or replaced, provided that any one of followings are out of the warranty:

- Improper handling or application by user.
- Modification or repair by other than the Company.
- Any failure to be caused by acts of God, fire, storm or the like, war, riot or the like and other causes beyond the control of the parties concerned.

Warranty described in this paragraph means the warranty for the Product itself and does not include warranty for any consequential damage arising out of or occasioned by a defect or failure of the Product.