

Caution in Use

Gas Charge/Discharge

- Charge Nitrogen (N₂) gas only. Never charge flammable, explosive gas and volatile liquid as they may cause an explosion accident. (FIG 1)
- The charging pressure should be below the designated pressure in the marking. (FIG 2)
Gas charging range : 3.4MPa~15MPa (at 20°C).
3.4MPa~18MPa for model DNK0350 and DNR0350 only.
- Continue to charge gas till the sound of gas flow disappear even if the pressure gauge points the set pressure. (FIG 2)
- Gas charging should be done with the piston rod fully out. If piston rod retracted in the cylinder, start charging as lower pressure as possible (0.5 MPa or lower) then increase the pressure gradually till the piston rod extended out, in order to avoid personal injury and damages of facility and equipments. (FIG 3)
- Do not charge/discharge gas while the gas spring is under load.
- Exhaust the N₂ gas completely before disposal.
- Those gas springs for use outside Japan (specified as -OS) are shipped without gas. The user needs to charge gas before use. After charging gas, the charging gas pressure should be recorded on the pressure indication label of each gas spring by a permanent marker.

