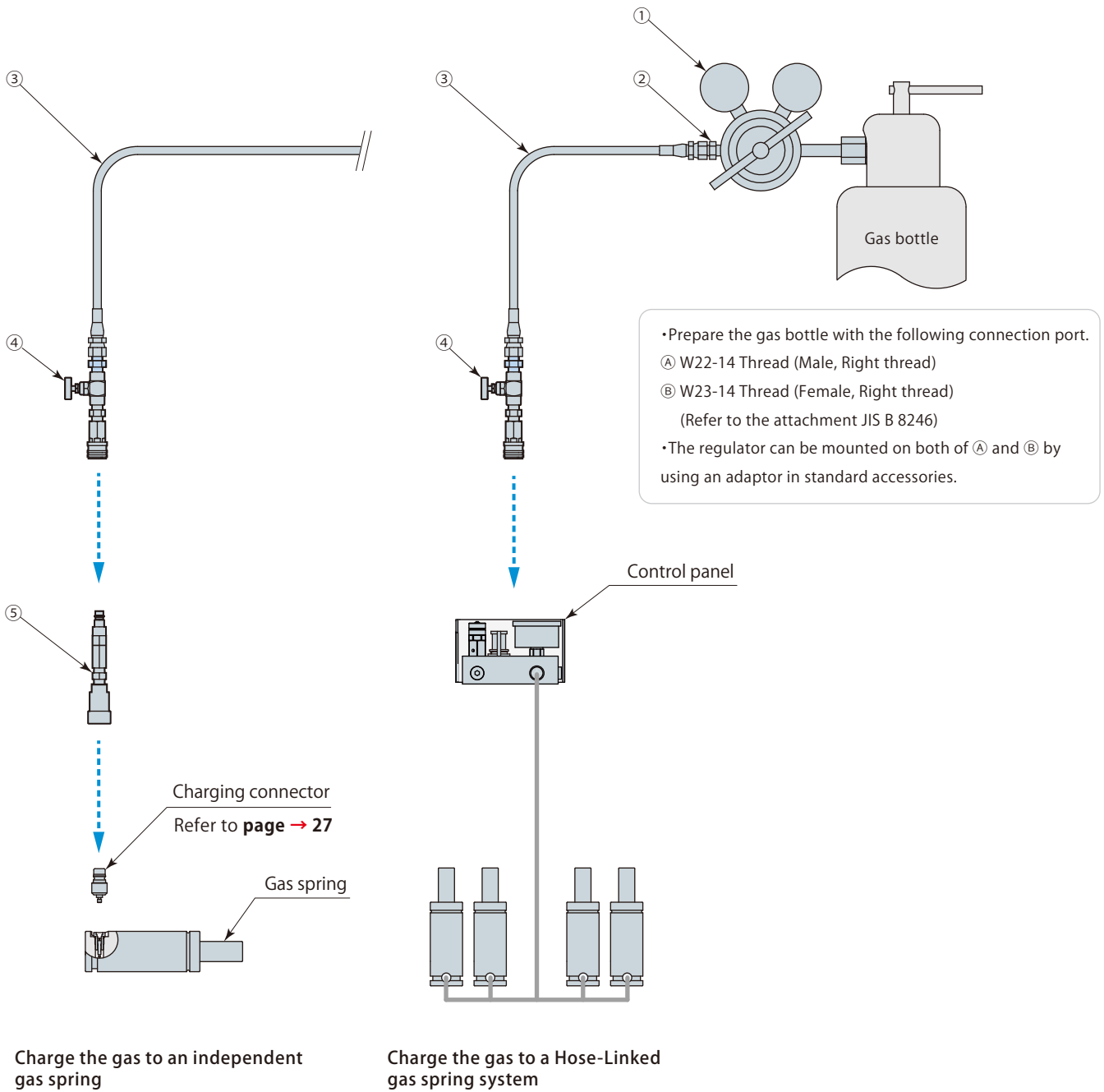


Gas charging tools

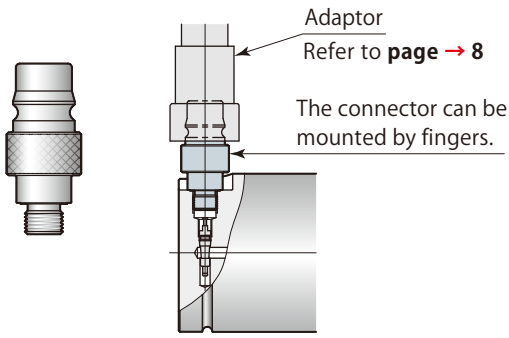
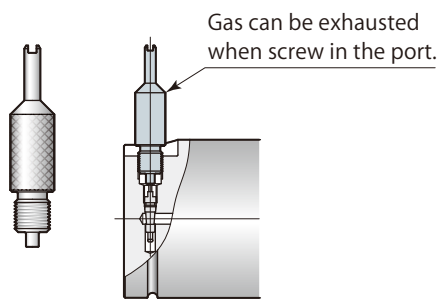
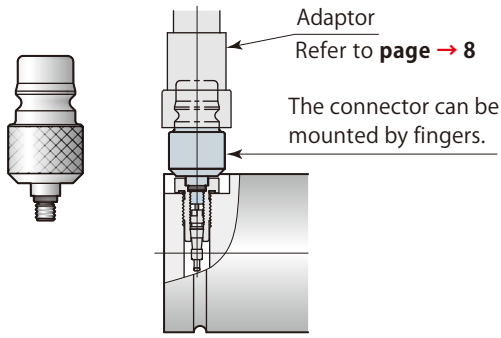
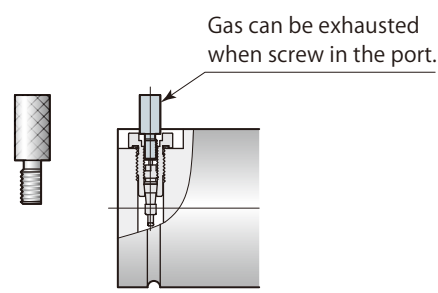
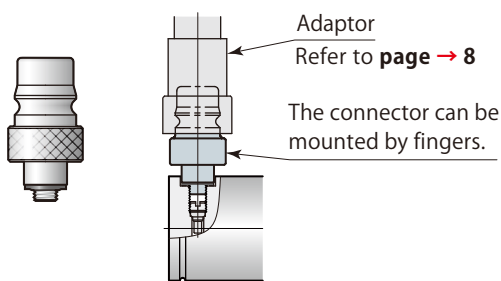
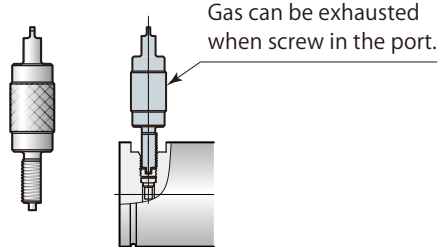


No.	Name	Model	Remark	Mass g
①	Regulator *	3HDKA68601	Adaptor included	3200
②	Hose fitting	3HDKA68602	JIS : A1-6 (JIS B 8363), Thread size : G1/4-R1/4	40
③	High pressure hose	3HDKA68603	Max gas pressure 34MPa, Hose O.D. 10.4mm, Length 3m	400
④	Charging valve	DNJ-HDKA6840	Coupler can be disconnected under pressure.	230
⑤	Adaptor	DNJ-HDKA5470		370

* Make sure of thread size of the connection port of the gas bottle in case of using the regulator in overseas countries. It may be different depending upon each country.

Gas Charge / Discharge

Gas charging and discharging kit (Their shape differs depending on the gas spring model.)

Gas spring model	Charging connector	Discharging tool
<p>DNK1500 ~ 9500 DNR4200 ~ 9500</p>	<p>model DNJ-C-CMG Mass : 50 g</p> 	<p>model DNJ-C-G Mass : 30 g</p> 
<p>DNK0750 · 1000 DNP1000 ~ 18300 DNA0250 ~ 5000</p>	<p>model DNJ-C-CM Mass : 50 g</p> 	<p>model DNJ-C-5 Mass : 10 g</p> 
<p>DNK0350 · 0500 DNR0350 ~ 2400 DNP0420 *</p>	<p>model DNJ-C-CM6 Mass : 60 g</p> 	<p>model DNJ-C-M6 Mass : 30 g</p> 

* Gas discharging tool is not available for model **DNP0420**. In case of disposal, drill a dia 2.5mm hole at the M6 tap at the bottom of the **DNP** and then discharge **N2** gas completely. Wear safety glasses during discharging job.

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 : 3.4 MPa ~ 15 MPa (at 20°C).
3.4 MPa ~ 18 MPa 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. Refer to **page → 27** for gas discharging tool.
- 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.

