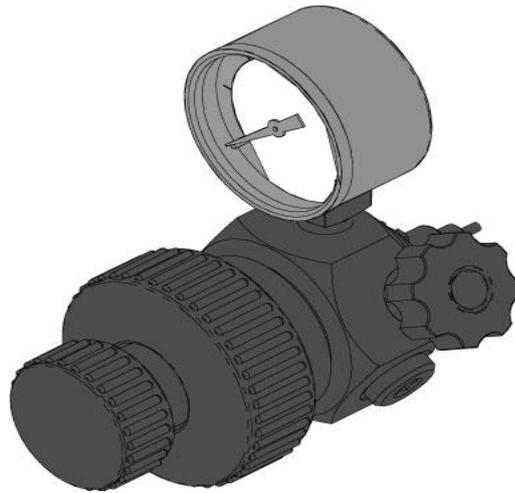


## Gas Charging

All gas spring models



*Charging armature*



*M6 and G 1/8  
charging adapters*

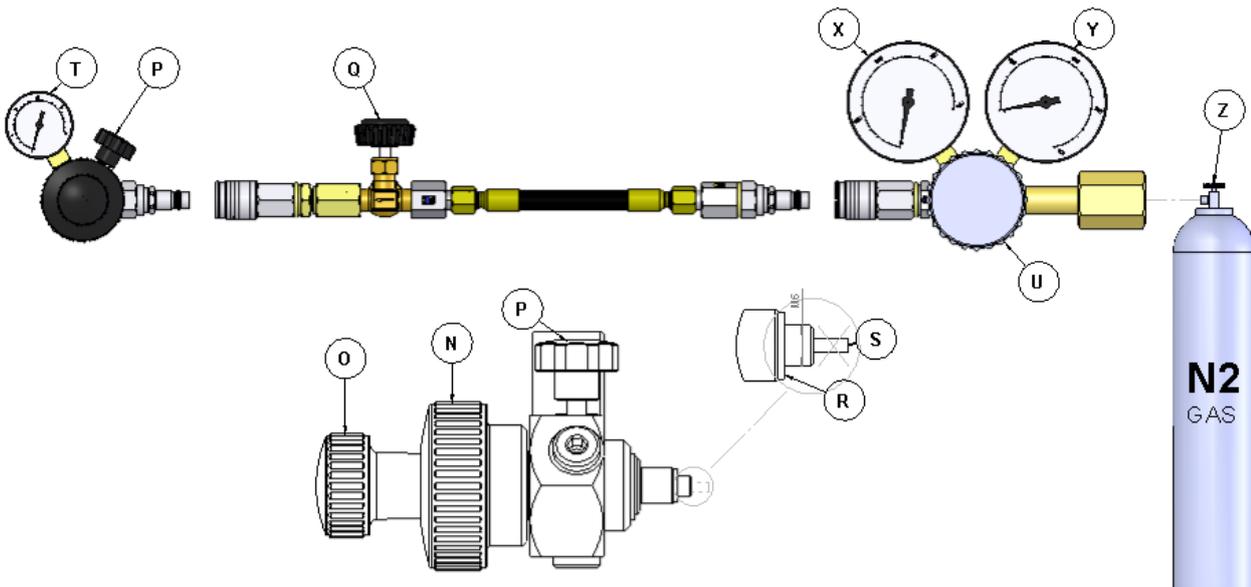


*T-handle*

We recommend always using the KALLER gas charging equipment when charging and discharging gas springs.

### **Warning!**

- Always read the permanently marked information on the side of the tube to find out the maximum charging pressure
- Never exceed the maximum charging pressure
- Use only pure nitrogen gas (N<sub>2</sub>) for charging.
- Always use protective jaws when clamping the spring in a vice.
- Always wear protective equipment incl. safety goggles and rubber gloves, whilst servicing the gas spring in a well ventilated area. Avoid direct contact with gas spring lubricants and inhalation of any exhausting gases.
- Only specially trained personnel with good knowledge of the products should carry out the charging



- 1) Check that the bleed valve (P) and the shut-off valve (Q) are closed (turn in a clockwise direct on). The release pin (S) always should be inside the M6 thread on the armature (turn knob (O) in a counter-clockwise direction).
- 2) Check that the M6 thread at the end of the armature is equipped with the sealing washer (R). For G 1/8" port: connect G 1/8" adapter to the replenishing armature.
- 3) Connect the replenishing armature to the gas spring, by means of knob (N), turned in a clockwise direction.
- 4) Open the nitrogen bottle using knob (Z). Regulate to the desired charging pressure with handle (U) on the regulator (V). **Note! Maximum charging pressure is marked on the side of the tube.**  
The manometer (X) shows the charging pressure and manometer (Y) shows the bottle pressure.
- 5) Open the shut off valve (Q) slowly on the armature and charge as slowly as possible. **Note! Never lean over the gas spring during the charging.** After charging, the manometer (T) shows the pressure supplied to the gas spring.
- 6) After charging, first close the shut of valve (Q). Empty the gas inside the armature by opening the bleed valve (P) until the gas is released. Unscrew the armature fully using knob (N). If no plug is used, make sure that the valve does not leak. If the valve is leaking, it must be replaced. **Note! For safety, never lean over the valve!**
- 7) Fit the cover screw on the gas spring, tighten with a torque of 2 Nm (for M6 cover screw) and 15-18 Nm (G1/8" cover screw). Note that it has a sealing function and must always be fitted and tightened
- 8) When finished with the armature, empty the gas inside the armature and hose by closing the nitrogen bottle using knob (Z) and opening bleed valve (P) and shut off valve (Q) until all gas is released.