

Gas Charging Equipment

One of the strongest benefits of gas springs in general is the possibility to change the blank holding force by simply altering the charging pressure of the gas spring. With KALLER's Gas Charging Equipment you can do this very easily, not only in self-contained gas springs but in linked systems as well.

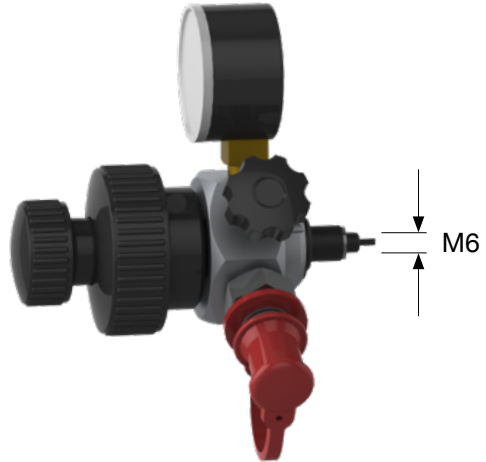
A complete set of Gas Charging Equipment, including everything you need, consists of a Pressure Regulator connected to a gas bottle, a Charging Hose with (QRC) connections, and a Control Armature with port adaptors – preferably contained in a protective carry case.

Control Armature

Control Armature M6

A Control Armature, which is connected to the port of the gas spring, is used to change the nitrogen gas pressure in the spring. The Control Armature M6 is designed to fit the KALLER M6 standard gas ports. By attaching the right adaptor, however, it can be used for any KALLER gas springs.

Order No. 1029335



Charge Port Adaptors

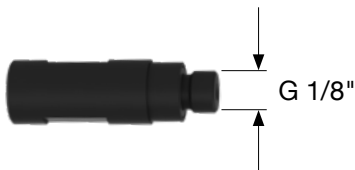
As mentioned above, by attaching a suitable charge port adaptor, the Control Armature M6 can be connected to KALLER G1/8" standard gas ports or other special gas ports. Adaptors can be ordered separately, according to the table beside, or as part of a complete set including the control armature.

Complete set
Control Armature with charge port adaptors
Order No. 1229335



Charging Port Adaptor G1/8" standard gas port

Order No. 3014016



Charging Port Adaptor M6 special gas port

Special gas port example CU4-1000, CX

Order No. 3014021

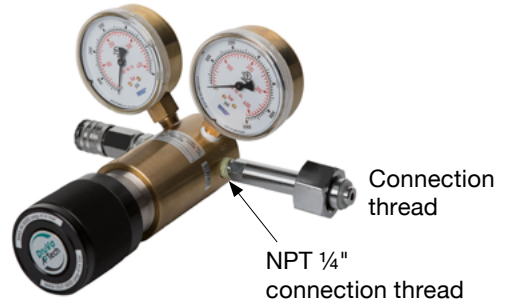


Attached charge port

Pressure Regulator

To avoid overcharging, and to keep the charging pressure at a constant level, it is important to use a Pressure Regulator when charging gas springs. Due to different gas bottle connections for nitrogen cylinders worldwide, a Pressure Regulator with the right adaptor must be chosen. As different countries have different bottle connections, make sure you select the correct connection code according to the table below.

| Order No. | Connection thread | Standard |
|-------------|-------------------|-----------------|
| 1028343-001 | W24.32 x 1/14" RH | DIN 477 No. 10 |
| 1028343-002 | G 5/8 | BS 341 No. 3 |
| 1028343-003 | G 5/8 | ISO 228 (China) |
| 1028343-004 | SI 21.7 x 1.814 | AFNOR NF C |
| 1028343-005 | 1.040" - 14 NGO | CGA 680 |
| 1028343-006 | W 21.7 x 1/14" | UNI 4409 |



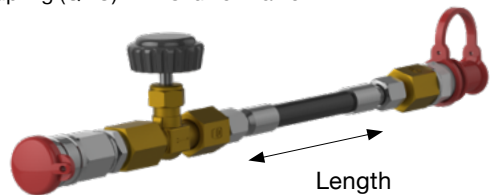
If the right thread cannot be defined, you can order a Pressure Regulator without a connection adaptor. In this case, the right connection adaptor must of course be fitted at the 1/4 NPT thread before use.

Order No. 1028343-000

Charging Hose with Shut-Off Valve and (QRC) Connections

To transfer the nitrogen gas between the Pressure Regulator and Control Armature, you need a Charging Hose of suitable length. Hosed systems can be charged via a control block using the Charging Hose's female quick release coupling (QRC) with shut-off valve.

| Order no. | Length (m) |
|--------------|------------|
| 4027471-2000 | 2 |
| 4027471-4000 | 4 |
| 4027471-6000 | 6 |



Carry case

With a protective carry case you have everything right where you need it.

Order No. 1028607



How to order the complete set

For a complete set of Gas Charging Equipment, including the carry case, order the following items – just make sure to choose the right adaptors, and a suitable length for the Charging Hose.

| Description | Order No | Note |
|-----------------------------------|--------------|---------------------------------------------|
| Control Armature with Charge Port | 1229335 | |
| Pressure Regulator | 1028343-003 | Ex. ISO std. Choose right std for your site |
| Charging Hose | 4027471-4000 | Choose a suitable length |
| Carry case | 1028607 | |

Spare parts for Charging Equipment

KALLER offers Spare Parts for all your repair needs, according to the table below.

| Description | Order No | Pos. |
|-----------------------|--------------|------|
| Gauge Ø40 | 502467 | 1 |
| M6 Connection rod | 1029006 | 2 |
| Valve opener rod | 1028977 | 3 |
| QRC coupling – male | 502386 | 4 |
| Washer M6 | 501023 | 5 |
| QRC coupling – female | 502176 | 6 |
| Hose – 2 m | 3020857-2000 | 7 |
| Hose – 4 m | 3020857-4000 | 7 |
| Hose – 6 m | 3020857-6000 | 7 |
| Regulator Gauge Ø63 | 506130 | 8 |
| Sealings tray DIN477 | 506354 | 9 |
| Sealings tray UNI4409 | 506355 | 9 |
| Washer ¼ | 500435 | |

