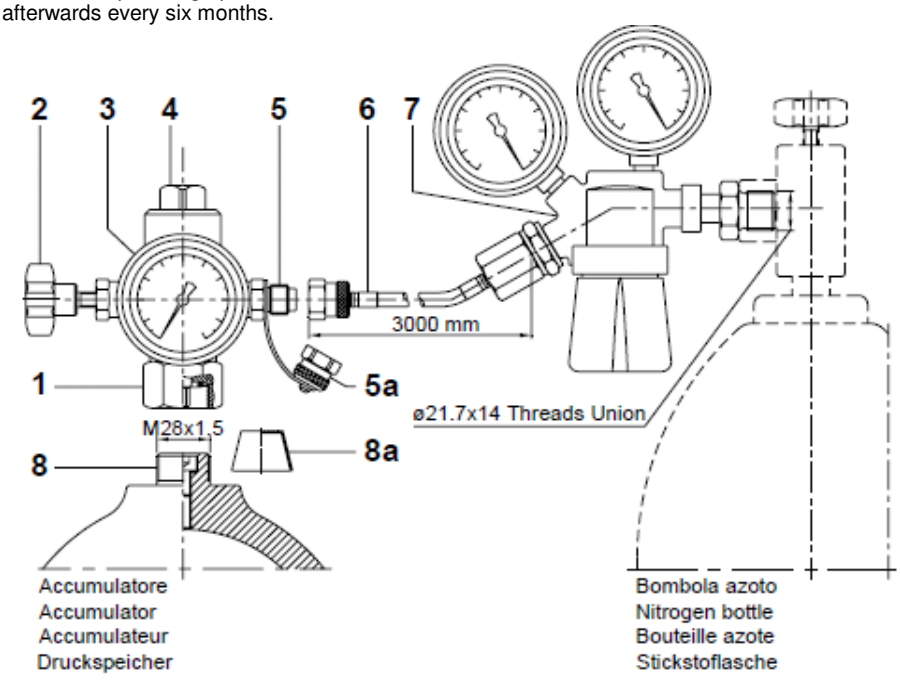
INSTRUCTIONS FOR THE PRECHARGE AND PRESSURE CHECK OF HYDROPNEUMATIC ACCUMULATORS WITH DEVICE TYPE LAV9 DP 100 (FOR GASVALVE M28X1,5)

HOW TO CHECK AND/OR REDUCE THE PRECHARGE PRESSURE

For this operation the hose (6) and the pressure reducer (7) are not necessary.
Discharge the hydraulic pressure from the system.
Take of the protection cap (8a) from the thread M28x1,5 (8) of the accumulator or damper.
Mount the device, using the hexagonal nut (1) make sure the discharge valve (2) is closed.
Unscrew the square bolt (4), and read the pressure on the pressure gauge (3); if the pressure is too high open slightly the discharge valve (2).
Fasten the square bolt (4), without forcing it, and discharge the residual pressure from the body of the device with the discharge valve (2).
Take off the filling device and replace the protection cap (8a) on the thread (8) of the accumulator.

INCREASE THE PRECHARGE PRESSURE

To precharge or to increase the precharge pressure, take off the protection cap (8a) from the thread (8) on the accumulator or damper.
Mount the device, using the hexagonal nut (1) make sure the discharge valve (2) is closed.
Take away the cap (5a) and connect the flexible hose (6) with the adapter (5) and with the pressure reducer (7) which is mounted on the nitrogen bottle.
Unscrew, without forcing, the square bolt (4) and open slowly the feed cock of the nitrogen bottle.
Check the pressure gauge (3), increase the precharge pressure with the knob of the pressure reducer (7) until a value slightly higher than the one desired.
Fasten the square bolt (4), without forcing it, close the feed cock of the nitrogen bottle, discharge the flexible hose (6) by opening the discharge valve (2).
Take away the flexible hose (6), replace the protection cap (5a) on the adapter (5) and wait some minutes.
Loosen the square bolt (4) and check the pressure; if correct fasten the square bolt (4) and take off the device turning the hexagonal nut (1) and replace the protection cap (8a) on the thread (8). If the precharge pressure is not correct, repeat operation as indicated above.
Important:
• To do the precharge use only **nitrogen**; using other gases might cause the explosion of the accumulator.
• The precharge pressure of the accumulator must be maximum 9/10 of the minimum working pressure.
• Check the precharge pressure for at first time after two or three month, and afterwards every six months.



1 Fixing ring
2 Bleed screw
3 Pressure Gauge
4 Hand wheel
5 Precharge connection
6 Hose (MAX 600 bar)
7 Pressure reducer
8 Gas valve