



Charging and Gauging Units

FPK and FPS Series

Description

To maintain system performance **HYDAC** recommends that the gas precharge pressure is checked regularly. A loss in the gas precharge pressure will cause a drop in the system efficiency and could cause damage to the bladder, diaphragm, or piston accumulator.

HYDAC charging and gauging units allow hydro-pneumatic accumulators to be precharged with dry nitrogen. For these purposes, a charging and gauging unit is connected to a commercially available nitrogen bottle via a flexible charging hose.

These units also allow maintenance personnel to check the current gas precharge pressure of an accumulator. For critical systems, consider the use of a permanent gauging block which will allow constant monitoring.

All **HYDAC** charging and gauging units incorporate a gauge and check valve in the charging connection, and a manual bleed valve with a T-handle.

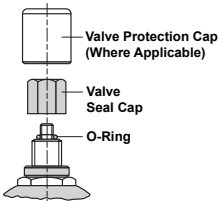


HYDAC offers two types of charging and gauging units:

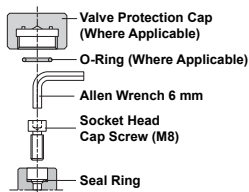
- **FPK** - For use with gas valve version 1 (M28 × 1.5) for SBO and SK Series accumulators.
- **FPS** - For use with gas valve version 4 (8VI-ISO 4570) for SB, SBO and SK Series accumulators. Note: SB top repairable bladder accumulators must use FPK with FPK/SB adapter.

Gas Valve Version 4

on a Bottom Repairable Bladder Accumulator

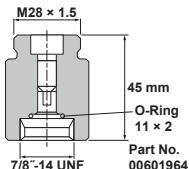


Gas Valve Version 1



Adapter A3 (FPK/SB)

An adapter that must be used with the FPK model in order to fit **HYDAC** gas valve version 4, including top repairable bladder accumulators.



Gas Valve Version 4

on a Top Repairable Bladder Accumulator

