

High Pressure Bottle

Lightweight Air Supply For Paddle Shifting



Features

- Lightweight (1800g)
- Maximum capacity 310 bar (4500 psi)
- Comes pre-set for optimal shifting
- Comes with a filling adapter (from a bigger bottle like scuba diving bottle or a hand pump)
- Suitable for around 400 shifts before re-fill (on average sequential gearbox)

Included in the kit

- ① High pressure bottle
- ② Filling station



Connection Diagram

- ③ Quick release for high pressure filling station (either external bottle or a pump)
- ④ Bottle pressure gauge
- ⑤ Output pressure line. Use 8 mm O.D. pipe.
- ⑥ Output pressure gauge
- ⑦ Pressure adjustment screw



Pressure adjusting

High pressure bottle output pressure is originally set to 8 bars (116 psi) by MME when shipped. 8 bars is a sweet spot for most applications. If different pressure is needed, it can be adjusted using this procedure:

- High pressure bottle must be filled with at least 1000 Psi pressure.
- Output line must be connected to the actuator or must be sealed. If possible, connect external pressure gauge, otherwise use pressure gauge on the bottle.



- Adjust pressure by rotating the set screw using 2.5 mm hex key. Clockwise rotation will increase pressure, while anti-clockwise rotation will decrease it.



- After each adjustment, before verifying what pressure is set, air must flow through the regulator. This can be done by activating the actuator once or using by using a manual valve on the output to let air flow for bit (0.2 s is enough)
- When adjusting is complete, set screw must be secured by with a glue or any other adhesive.