



Operating instructions

Test and charging unit VGU

OLD 1165

Checking the precharge pressure

1. Isolate the damper from the hydraulic system and discharge the fluid side. Leave the drain valve open!
2. Press push button (hold pressed) of the built-on manometer of the damper and check the precharge pressure. Through release of push button the manometer will be automatically discharged.
3. Compare precharge pressure with the precharge pressure indicated on the label, if necessary, refill with nitrogen or air.
4. Check damper on gas side for leaks using a leak detection spray.
5. Re-commissioning of the damper.



Raising the precharge pressure

1. Isolate the damper from the hydraulic system and discharge the fluid side. Leave the drain valve open!
2. Check the precharge pressure.
3. Remove the protective/sealing cap of the gas valve.
4. Attach charging hose of air supply or nitrogen cylinder to gas valve.

Caution:

- Never use oxygen – **Risk of explosion!**
- Do not attach charging hose directly to nitrogen cylinder, always use a pressure-reducing valve!

5. Open stop valve of air supply or nitrogen cylinder and pressure-reducing valve carefully. Let air or nitrogen flow slowly in the damper, till the desired precharge pressure is reached.
6. Close stop valve of air supply on nitrogen cylinder and pressure-reducing valve. Check precharge pressure as described above after 5-10 minutes (temperature compensation) and correct, if necessary.
7. Remove charging hose of air supply or nitrogen cylinder of the gas valve.
8. Check gas valve and damper on gas side for leaks using a leak detection spray.
9. Replace the protective/sealing cap of the gas valve.
10. Re-commissioning of the damper.

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