
Nitrogen Pressure Testing Kits (PTK Range) SGS Gases Limited

Thank you for purchasing one of our PTK Testing Kits – For use with Oxygen-free Nitrogen Only!



Contents

All of our PTK range come complete with:

- Nitrogen Regulator (10 Bar max output)
- Nitrogen Adapter (3/8 BSP to 1/4 SAE)
- Yellow A/C Hose
- Drop Gauge Unit with Isolating Valve
- R134a Low-side Coupler
- Trolley to Suit SGS Cylinder (10L or 20L depending on kit)

Our PLUS and FULL kits also include couplers for R1234yf testing, and in the “Full” kit; appropriate couplers and adapters for High-Side testing of either system.

Assembly

1. Secure OFN Nitrogen cylinder into trolley
 2. Fit Nitrogen Regulator to cylinder, ensuring to keep threads as clean as possible, **DO NOT** use PTFE tape.
 3. Fit the silver Nitrogen adapter to the regulator output.
 4. Attach the Yellow Nitrogen hose to the adapter – ensuring the non-return valve is at the open end – ready for the drop gauge unit to be attached.
 5. Select the appropriate coupler for the vehicles system (often Low-side) and attach to the short yellow hose on the drop gauge unit.
 6. The coupler and drop gauge are now ready to be attached to the vehicle, depending on access you may choose to fit the yellow hose to the input of the testing unit before OR after attaching the coupler to the vehicle (Always ensure the system has been appropriately emptied before testing – you must never release refrigerant to the atmosphere!)
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Testing Procedure Tips

- All operators working with A/C systems should be appropriately trained to meet F-Gas regulations.
- The Drop Gauge we have selected is marked with typical working pressures of a range of AC refrigerants, these are not the suggested test pressures and can be ignored for all nitrogen testing.
- You must not exceed the working pressure of the system you are testing, these typically range from 200-450 psi (13 to 30 Bar) and cannot be reached with the regulator we supply – however we suggest always double checking the individual vehicles service documents.
- Testing for both R1234yf and R134a systems is typically 80-120 PSI (5.5 – 8 Bar) – for leak detection purposes, it would be very uncommon to exceed 8 Bar.
- A minimum time should be set for any test, we recommend at least 10-15 minutes