

Brand new !



Nitrogen Generator "Mobility AC"

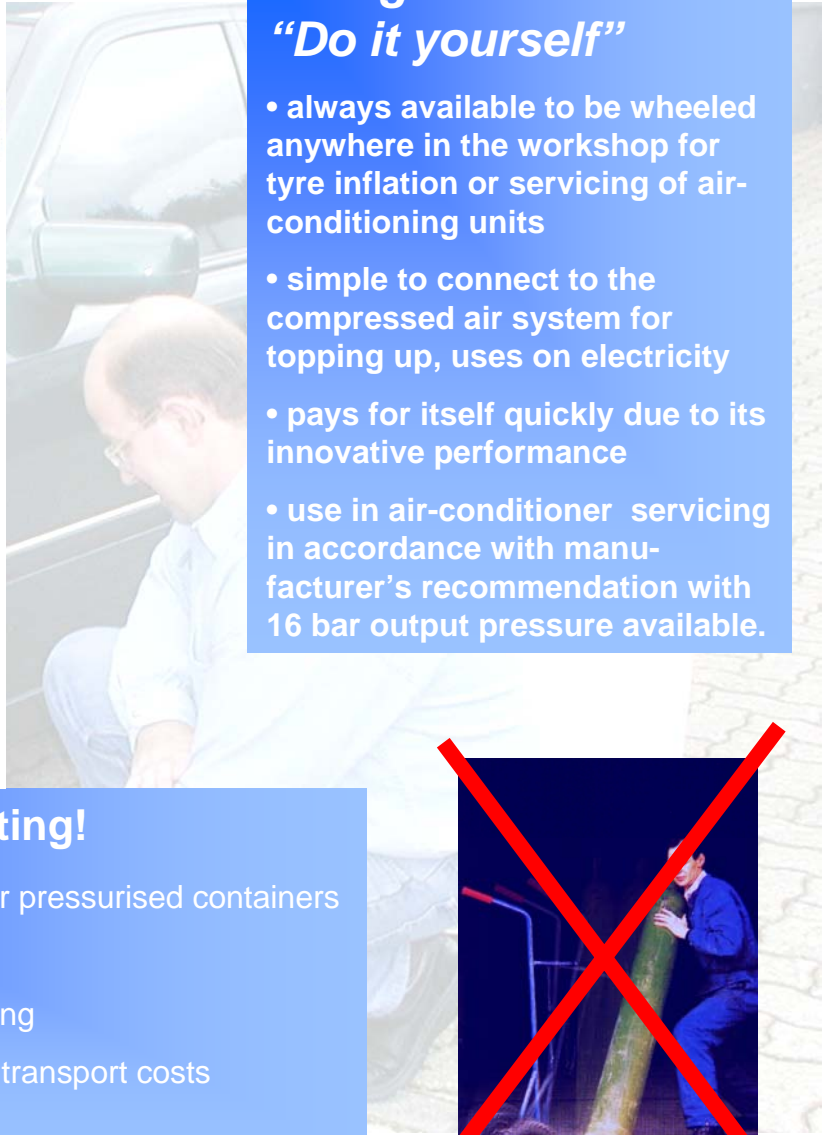
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Now "2 in 1" for air-conditioning service and tyre inflation



Nitrogen "Do it yourself"

- always available to be wheeled anywhere in the workshop for tyre inflation or servicing of air-conditioning units
- simple to connect to the compressed air system for topping up, uses on electricity
- pays for itself quickly due to its innovative performance
- use in air-conditioner servicing in accordance with manufacturer's recommendation with 16 bar output pressure available.



Enough of heavy lifting!

- Major hazards with 200 bar pressurised containers
- Need repeated refilling
- Risks of injury when handling
- Higher "dangerous goods" transport costs
- High rental charges



Use of nitrogen generators for servicing air-conditioner units

Air-conditioner manufacturers recommend the use of nitrogen when servicing air conditioner units in cars. Nitrogen has the following advantages for this purpose:

The cleaning process when removing the air-conditioner.

When the compressor is faulty, the unit is removed and the chips are blown out. Up to now, this has often been done with compressed air, but this has the disadvantage that moisture gets into the system. Since nitrogen is extremely dry, this medium is to be recommended for this purpose to prevent carry-in of moisture. Consumption is, depending on how many flushes are carried out and size of the unit, about 20 – 30 litres per cleaning, using a nitrogen pressure of 3 to 5 bar.

Leakage test when checking the seals

After removal, the system undergoes a pressure test. The manufacturer carries out a similar test in the factory with nitrogen at a pressure of about 16 bar before the unit is dispatched. For this reason, the manufacturer also recommends carrying out this test in the workshop with nitrogen as well, at a pressure of between 13 and 20 bar, ideally of 16 bar. Normally, this test is carried out in the workshop with refrigerating agent and a leak-detector, but this is not very effective because such equipment only recognises leaks on the pressure side and not on the vacuum side. A leakage test with nitrogen will, however, detect leaks on both vacuum and pressure side. Additionally this test can be done right now, without asking the customer to come back to the workshop.

CONCLUSION: use nitrogen generators

Traditional nitrogen generators for tyre inflation purposes are fed from the compressed air system, normally with between 8 and 12 bar, and also have a pressure loss of about 0.5 bar. This means that only the flushing operations in air-conditioner servicing are possible. Effective leakage tests cannot be carried out with these nitrogen generators.

Mobility – AC Nitrogen generator

The Mobility series of nitrogen generators can now optionally be supplied with an output for servicing air conditioning units. An integrated booster is used to compress a proportion of the nitrogen to 16 to 20 bar, making it possible also to carry out an effective leakage test with car-tyre gas generators.