

INSTALLATION CASE



Product, number

N. 4 AG OFCAS 220.8, parallel mode, buffer tank 100 L

N. 2 NG CASTORE BASIC 150

N. 1 Zero Air 15 L

N. 2 HG PRO 4000 LN

Sector, activity of customer

Analytical Chemistry Department, Shimadzu Key Customer

Main Location, city

Messina (Sicily, IT) – prof. Luigi Mondello



APPLICATION

Comprehensive multidimensional GC and LC.

Studies of new N₂ carrier gas usage, in comparison with H₂ and He. NIST libraries studies.

LC-MS application in essential oils, and natural products.

NEEDS

Full coverage of analytical gas requirements in both GC and LC.

Only need of Ar bottles.

SOLUTION

- Oil free and dry air: no interruption of air during maintenances or repair (auto-backup solution)
- No big air tanks
- UltraFast GC at high pressure H₂ carrier gas
- Zero Air for all GC detectors
- No interruption of H₂ during maintenances or repair (auto-backup solution)



IMPROVEMENTS

30%

Savings in energy consumption

90%

Administrative time savings vs gas bottle supply and replacement

100%

Technician time and safety savings for gas bottle replacement



Dedicated space for H₂, UHP N₂, technical N₂ and Zero Air.

Important reference, subtracted to our valuable competitors

