



Medical Gas Piping Systems Safety

Intended for health workers and all personnel managing medical oxygen

Do ✓

DO REPORT ANY GAS LEAKS AS SOON AS DETECTED

- Report if any noise of leaking gas is detected to maintenance department for urgent action.
- Set off medical gas escape alarm.



DO ENHANCE VENTILATION IF A LEAK IS DETECTED

- Open windows and doors to lower the gas concentration in the air.



DO REGULAR CHECKS TO THE PIPING

- Check for damage, especially serious abrasion, corrosion, leakages, flattening or mechanical damage of pipelines.



Do not ✗

DO NOT STAY NEARBY THE GAS LEAKAGES

- **Do not** stay in the vicinity of the gas leakage because of the possibility of gas saturation in the air, asphyxiation, explosion, fire.



DO NOT COVER PIPING LINEMAKERS AND SIGNAGE

- **Do not** paint over piping networks to cover labeling, identification, flow direction arrows, valve box labels, etc.



DO NOT USE OILY-SOAP SOLUTIONS TO CHECK FOR LEAKS

- **Do not** use water solutions with soap that contains oil and/or animal fat. The animal fats may burn easily in an oxygen enriched atmosphere.



References:
Medical Gases, Health Technical Memorandum 02-01: Medical gas pipeline systems. Part B: Operational management. Department of Health, UK.
http://www.bcgac.co.uk/assets/HTM_02-01_Part_B.pdf