



Sunnyvale Department of Public Safety

FIRE PREVENTION UNIT



FIREFIGHTER'S AIR SYSTEM **-Requirements-**

General Requirements:

- Exterior Mobile Air Connection: One located safe distance from the building, as approved by the fire code official.
- Emergency Air Storage: Via an 'H' tank and supply system with booster pump and emergency power supply
- Emergency Air Storage: Fill rate = 3 minutes
- Emergency Air Storage: – Rated room or other approved area with firefighter access, as approved by the fire code official.
- Fill stations: Above grade - Generally on floors 3,6,9,12, etc.
- Fill stations: Below grade – Generally not required
- Fill station: Locations inside buildings: Vestibule or room within close proximity to a stairwell, as approved by the fire code official.
- Fill stations: Number per floor: Generally one. Larger buildings may require two per floor as required by the fire code official.
- Electrical Supply System: An electrical supply system shall be installed in the Exterior Mobile Air Connection and Fill Stations. Connection types shall be approved by the fire code official.

Rescue 2 – 4 'H' tanks = 1776 cubic feet = approx. 50 bottles

16.52.230. Sunnyvale Municipal Code - Fire fighter's air systems.

California Fire Code Section 512 is hereby amended by adding the following provision:

"512.1 Fire fighter's air systems. Approved fire fighters breathing air refill systems shall be installed when any building has six (6) or more floors used for human occupancy above the lowest floor level having building access. This system shall provide an adequate pressurized fresh air supply for filling breathing air bottles carried by fire suppression, rescue, and other personnel in the performance of their duties. Mobile refill stations will generally be located away from the building. Interior refill stations will generally be located inside vestibules or rooms within close proximity to a stairway enclosure or as approved."

City of Sunnyvale - Department of Public Safety
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