



## Major Dental Equipment Utility Specifications

### Oxygen/Nitrous Oxide

IMPORTANT –ensure all plumbing is installed in accordance with AS2896-1998  
“Medical gas systems - Installation and testing of non-flammable medical gas pipeline systems”

NOTE. Oxygen and Nitrous Oxide gas lines are specified in differing diameters to provide CROSS PROTECTION; designed to prevent misconnection of Oxygen and Nitrous Oxide Piping. Both gas lines piping diameters specified provide more than adequate gas flow for a dental surgery environment.

1. O2 OXYGEN Supply 1/2" (12mm) dia copper pipe – refrigerated grade from central tank location with branch to each operatory as required.  
MARK MEDICAL OXYGEN PIPING WITH CORRECT LABELLING  
  
- Finish within operatory – to be connected to 1/2" OD tailpipe on 34076 gas outlet station  
  
- Finish within central gas tank location operatory – to be connected to 1/2" OD tailpipe on 34076 gas outlet station
2. N2O NITROUS OXIDE Supply 3/8" (10mm) dia copper pipe – refrigerated grade from central tank location with branch to each operatory as required.  
MARK MEDICAL NITROUS OXIDE PIPING WITH CORRECT LABELLING  
  
- Finish within operatory – to be connected to 3/8" OD tailpipe on 34076 gas outlet station  
  
- Finish within central gas tank location operatory – to be connected to 1/2" OD tailpipe on 34076 gas outlet station
3. V VACCUM OPTION Supply 25mm ID PVC line (originated from suction motor location) to terminate within cabinetry at same location as O2 and N2O gas stations can be branched from main suction line leading to dental units.

*Note. ELECTRICAL REQUIREMENT*

*Supply figure 8 control wire from suction unit location, leaving 500mm tail with cabinet for connection of remote suction on/off switch.*

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