

# ISO 5467-2:2022-09 (E)

## Dentistry - Mobile dental units and dental patient chairs - Part 2: Air, water, suction and wastewater systems

---

<b>Contents</b>		<b>Page</b>
Foreword .....		v
Introduction .....		vi
1	Scope .....	1
2	Normative references .....	1
3	Terms and definitions .....	2
4	Classification .....	2
4.1	Classification of dental air supply .....	2
4.2	Classification of suction system and suction air flow rate .....	2
5	Requirements .....	2
5.1	Connections from the mobile dental unit to dental handpiece .....	2
5.2	Supply connections to the mobile dental unit .....	3
5.3	Water and wastewater systems .....	3
5.3.1	Incoming water and bottled water .....	3
5.3.2	Materials used for construction of procedural water systems within the mobile dental unit .....	3
5.3.3	Backflow prevention device for mobile dental units connected to the external drinking water supply .....	3
5.3.4	Cuspidors .....	4
5.3.5	Water venturi .....	4
5.3.6	Particle filter .....	4
5.3.7	Bacterial filter .....	4
5.3.8	Bottled water system supplying procedural water or solution .....	4
5.3.9	Retraction .....	4
5.3.10	Treatment method for biofilm .....	4
5.3.11	Water sampling connection point .....	4
5.3.12	Wastewater drain connection .....	5
5.3.13	Wastewater container .....	5
5.4	Air system .....	5
5.4.1	Incoming dental air .....	5
5.4.2	Purity class of dental air supplied by an integrated compressed air source equipment .....	5
5.4.3	Particle filters .....	5
5.4.4	Bacterial filters .....	5
5.4.5	Condensate drain .....	5
5.4.6	Compressed air filter .....	5
5.4.7	Sound level of compressed air source equipment .....	6
5.5	Mobile dental unit suction systems .....	6
5.5.1	Maximum suction pressure .....	6
5.5.2	Suction pressure head loss .....	6
5.5.3	Configuration of cannula connectors and cannula .....	6
5.5.4	Operating hoses with cannula connectors .....	6
5.5.5	Solids filter .....	6
5.5.6	Air separator .....	6
5.5.7	Mobile dental unit suction source connection point .....	6
5.5.8	Suction flow rate .....	7
5.5.9	Bacterial filter .....	7

5.6	Test report .....	7
6	Sampling .....	7
7	Measurement and test methods .....	7
7.1	Visual inspection .....	7
7.1.1	Visual inspection of equipment .....	7
7.1.2	Visual inspection of documentation or test reports .....	7
7.2	Particle filters test .....	8
7.3	Suction flow rate test .....	8
8	Instructions for use .....	8
9	Technical description .....	8
	Annex A (informative) Test report .....	9
	Bibliography .....	13