

DIN EN ISO 5467-2:2023-03 (E)

Dentistry - Mobile dental units and dental patient chairs - Part 2: Air, water, suction and wastewater systems (ISO 5467-2:2022)

Contents		Page
European foreword		4
Foreword		5
Introduction		6
1 Scope		7
2 Normative references		7
3 Terms and definitions		8
4 Classification		8
4.1	Classification of dental air supply	8
4.2	Classification of suction system and suction air flow rate	8
5 Requirements		8
5.1	Connections from the mobile dental unit to dental handpiece	8
5.2	Supply connections to the mobile dental unit	9
5.3	Water and wastewater systems	9
5.3.1	Incoming water and bottled water	9
5.3.2	Materials used for construction of procedural water systems within the mobile dental unit	9
5.3.3	Backflow prevention device for mobile dental units connected to the external drinking water supply	9
5.3.4	Cuspidors	10
5.3.5	Water venturi	10
5.3.6	Particle filter	10
5.3.7	Bacterial filter	10
5.3.8	Bottled water system supplying procedural water or solution	10
5.3.9	Retraction	10
5.3.10	Treatment method for biofilm	10
5.3.11	Water sampling connection point	10
5.3.12	Wastewater drain connection	11
5.3.13	Wastewater container	11
5.4	Air system	11
5.4.1	Incoming dental air	11
5.4.2	Purity class of dental air supplied by an integrated compressed air source equipment	11
5.4.3	Particle filters	11
5.4.4	Bacterial filters	11
5.4.5	Condensate drain	11
5.4.6	Compressed air filter	11
5.4.7	Sound level of compressed air source equipment	12
5.5	Mobile dental unit suction systems	12
5.5.1	Maximum suction pressure	12
5.5.2	Suction pressure head loss	12
5.5.3	Configuration of cannula connectors and cannula	12
5.5.4	Operating hoses with cannula connectors	12
5.5.5	Solids filter	12
5.5.6	Air separator	12

5.5.7	Mobile dental unit suction source connection point.....	12
5.5.8	Suction flow rate	13
5.5.9	Bacterial filter.....	13
5.6	Test report.....	13
6	Sampling.....	13
7	Measurement and test methods.....	13
7.1	Visual inspection.....	13
7.1.1	Visual inspection of equipment.....	13
7.1.2	Visual inspection of documentation or test reports.....	13
7.2	Particle filters test.....	14
7.3	Suction flow rate test.....	14
8	Instructions for use.....	14
9	Technical description	14
Annex A (informative) Test report.....		15
Bibliography.....		19