

DIN EN ISO 22052:2020-11 (E)

Dentistry - Central compressed air source equipment (ISO 22052:2020)

Contents		Page
European foreword		3
Foreword		4
Introduction		5
1	Scope	6
2	Normative references	6
3	Terms and definitions	7
4	Classification	9
5	Requirements	10
5.1	Electrical safety	10
5.2	Electromagnetic compatibility	10
5.3	Quality of dental air	10
5.4	Performance	11
5.4.1	Air delivery flow rate of central compressed air source equipment	11
5.4.2	Condensate drain	11
5.4.3	Bacterial filter	11
5.4.4	Sound level of central compressed air source equipment	11
5.5	Test report	11
6	Sampling	11
7	Measurement and test methods	12
7.1	Visual inspection	12
7.1.1	General	12
7.1.2	Visual inspection of equipment	12
7.1.3	Visual inspection of documentation	12
7.2	Equipment performance	12
7.2.1	General test conditions	12
7.2.2	Air delivery flow rate at the central compressed air source equipment connection point ..	12
7.2.3	Air treatment system performance	13
7.2.4	Sound generation	13
8	Information to be supplied by the manufacturer	13
8.1	General	13
8.2	Instructions for use	13
8.3	Technical description	14
8.4	Information about the central compressed air source equipment location	15
9	Marking	15
9.1	Marking on the central compressed air source equipment	15
9.2	Marking of controls	16
9.3	Graphical symbols	16
Annex A (informative) Example of design of central compressed air source equipment		17

Annex B (informative) Typical arrangements of central compressed air source equipment in the dental facility and recommendations for construction and installation	19
Annex C (informative) Suggested template for test report	26
Bibliography	28