

DIN EN ISO 20608:2018-08 (E)

Dentistry - Powder jet handpieces and powders (ISO 20608:2018)

Contents		Page
European foreword		4
Foreword		5
Introduction		6
1	Scope	7
2	Normative references	7
3	Terms and definitions	8
4	Classification of handpieces	9
5	Requirements	9
5.1	Powder for powder jet handpieces	9
5.1.1	General	9
5.1.2	Biocompatibility	9
5.2	Powder jet handpieces	10
5.2.1	General	10
5.2.2	Biocompatibility of materials	10
5.2.3	Drop test	10
5.2.4	Noise level	10
5.2.5	Surfaces	10
5.2.6	Nozzle rotation	10
5.3	Air and water supply	10
5.3.1	Drive air	10
5.3.2	Spray water	11
5.4	Excessive air and water pressure	11
5.5	Temperature	11
5.5.1	Maximum temperature during normal use	11
5.5.2	Applied parts not intended to supply heat to a patient	11
5.6	Vibrations	11
5.7	Resistance to reprocessing	11
5.8	Leakage and/or ingress of water	11
5.9	Operating controls	12
5.10	Usability	12
5.11	Connection	12
5.11.1	General	12
5.11.2	Connections	12
5.12	Backflow preventer	12
5.13	Electrical safety	12
5.14	Test report	13
6	Sampling	13
7	Measurement and test methods	13
7.1	General test conditions	13
7.2	Visual inspection	13
7.2.1	Visual inspection of equipment	13
7.2.2	Visual inspection of documentation or test reports	13
7.3	Drive air	13
7.3.1	Apparatus	13
7.3.2	Procedure	13
7.4	Spray water	13
7.4.1	Apparatus	13
7.4.2	Procedure	14

7.5	Air and water pressure	14
7.5.1	Apparatus	14
7.5.2	Procedure	14
7.6	Connection	14
7.6.1	Apparatus	14
7.6.2	Procedure	14
7.7	Noise level	14
7.7.1	Apparatus	14
7.7.2	Test chamber	14
7.7.3	Procedure	14
7.8	Maximum temperature during normal use	15
7.9	Applied parts not intended to supply heat to a patient	15
7.10	Resistance to reprocessing	15
7.11	Backflow preventer	15
8	Instructions for use, maintenance and service	16
8.1	Powder jet handpieces	16
8.2	Powder	17
9	Technical description	17
9.1	Powder jet handpiece	17
9.2	Powder	17
10	Marking and labelling	17
10.1	General	17
10.2	Powder jet handpieces	18
10.3	Powders	18
11	Packaging	18
	Annex A (informative) Example of a test report	19