

# DIN EN ISO 20608:2018-08 (E)

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

---

<b>Contents</b>		<b>Page</b>
European foreword .....		4
Foreword .....		5
Introduction .....		6
<b>1</b>	<b>Scope</b> .....	<b>7</b>
<b>2</b>	<b>Normative references</b> .....	<b>7</b>
<b>3</b>	<b>Terms and definitions</b> .....	<b>8</b>
<b>4</b>	<b>Classification of handpieces</b> .....	<b>9</b>
<b>5</b>	<b>Requirements</b> .....	<b>9</b>
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
<b>6</b>	<b>Sampling</b> .....	<b>13</b>
<b>7</b>	<b>Measurement and test methods</b> .....	<b>13</b>
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
<b>8</b>	<b>Instructions for use, maintenance and service .....</b>	<b>16</b>
8.1	Powder jet handpieces .....	16
8.2	Powder .....	17
<b>9</b>	<b>Technical description .....</b>	<b>17</b>
9.1	Powder jet handpiece .....	17
9.2	Powder .....	17
<b>10</b>	<b>Marking and labelling .....</b>	<b>17</b>
10.1	General .....	17
10.2	Powder jet handpieces .....	18
10.3	Powders .....	18
<b>11</b>	<b>Packaging .....</b>	<b>18</b>
	<b>Annex A (informative) Example of a test report .....</b>	<b>19</b>