

Technical Specifications: IQAir® Dental Series

General Specifications	
Power requirements	220-240 V, 50/60 Hz
Energy consumption *	1: 20, 2: 36, 3: 54, 4: 74, 5: 105, 6: 135 Watt; Standby: <1 Watt
Dimensions (without / with packaging)	H 71 x W 38 x D 41 cm / carton 1: H 84 x W 43 x D 45 cm; carton 2: H 32 x W 33 x D 33 cm
Weight (without / with packaging)	21 kg / 26 kg
Air delivery (incl. filters) *	1: 40, 2: 85, 3: 150, 4: 210, 5: 260, 6: 360 m ³ /h
Sound pressure/power level *	L _{PA} 1: 22, 2: 34, 3: 41, 4: 48, 5: 52, 6: 59 dB(A); L _{WA} 1: 32, 2: 44, 3: 52, 4: 58, 5: 63, 6: 69 dB(A)
Fan motor	centrifugal, backward curved, with thermal protector, non-stop use approved
Control panel	4-key touch-pad with 16 character 2-line LCD display
Air intake	dual arches at base of unit
Air outlet	320° EvenFlow™ diffuser
Colour of main housing / locking arms	light grey / white
Housing material	non-offgasing, impact-resistant, UV-stabilized ABS
Performance	
Total system efficiency (certified)	≥ 99% for particles ≥ 0.3 µm (individually tested at highest fan speed)
Air delivery (certified)	yes (individually tested with all filters fitted)
Leak tested	yes
Filter Configuration	
Pre-filter	<p>GC HEPA Pre-Filter H11 (S)</p> <p>Purpose: control of coarse, fine & ultra-fine dust particles; protection of subsequent filters</p> <p>Media: non-woven glass microfiber HEPA filter</p> <p>Efficiency: ≥99% at ≥ 0.3 µm (class H11)</p> <p>Surface area: 2.8 m²</p>
Gas & odour filter	<p>Dental Filter Cartridge Set</p> <p>Purpose: control of a wide range or specific chemical substances and odours</p> <p>Media options:</p> <p>Dental Pro: 5.0 kg granular impregnated activated carbon (2 x AC/4-S); activated carbon & impregnated alumina (2 x AC/4 + IA/4)</p> <p>Dental Hg: 5.0 kg granular impregnated activated carbon (AC/4-S)</p>
Post-filter	<p>GC Post-Filter Sleeve Set</p> <p>Purpose: control of fine & ultra-fine particulate matter</p> <p>Media type: electrostatically charged fiber</p> <p>Surface area: 0.5 m²</p>
Features	
Display languages	4 user-selectable languages: English, French, German, Italian (or Spanish)
Fan speed settings	6
Intelligent filter life monitor	yes (monitors actual usage of each individual filter)
Filter life status LEDs	3
Advanced timer	yes (allows programming of operating hours and weekdays)
Advanced fan speed selection	yes (allows programming of different fan speeds for 2 different time periods)
Adjustable filter load indices	3 (large dust, chemicals and fine dust)
Supplied accessories	remote control (incl. battery), power cord with plug, deluxe casters, certificate of performance
Optional accessories	VMF wall-mount bracket, PF40 coarse dust pre-filter, InFlow , VM InFlow & OutFlow duct connections, FlexVac & VM FlexVac mobile & wall-mounted source capture kits.
Electrical safety certification	IEC/IECEE (CB-Scheme), CE, SEV, KTL

All technical specifications are subject to change without prior notice.

* per fan speed measured at 230V, 50Hz; tolerance ± 10% (± 10 m³/h)



**DÉCLARATION DE CONFORMITÉ
KONFORMITÄTSERKLÄRUNG / DECLARATION OF CONFORMITY**

Wir/We/Nous

**INCEN AG
Blumenfeldstrasse 15, CH-9403 Goldach,
Switzerland**

erklären in alleiniger Verantwortung, dass das Produkt
declare under our sole responsibility that the product
déclarons sous notre seule responsabilité que le produit

IQAir® air cleaning systems
Type 101.2 (220-240VAC, 50/60Hz)

auf das sich diese Erklärung bezieht, mit der/den folgenden Norm(en) oder normativen Dokument(en) übereinstimmt.
to which this declaration relates is in conformity with the following standard(s) or other normative document(s).
auquel se réfère cette déclaration est conforme à la (aux) norme(s) ou autre(s) document(s) normatif(s).

Safety Test Standards:

**IEC 60335-1: 2001 (4th ed.) incl. corrigendum 1: 2002 + A1: 2004 + A2: 2006 incl. corrigendum 1: 2006
EN 60335-1: 2002 + A11: 2004 + A1: 2004 + A12: 2006 + A2: 2006 + A13: 2008
EN 50366: 2003 + A1: 2006
IEC 60335-2-65: 2002 (2nd ed.) + A1: 2008
EN 60335-2-65: 2003 + A1: 2008
IEC 60335-1: 2001 (4th ed.) incl. corrigendum 1: 2002 + A1: 2004 + A2: 2006 incl. corrigendum 1: 2006**

EMC Test Standards:

**EN 55014-1: 2006+A1: 2009
CISPR 14-1: 2005+A1: 2008 (ed. 5.1)
EN 50366: 2003+A1: 2006
EN 62233: 2008
IEC 62233: 2005 (ed. 1)
EN 61000-3-2: 2006+A1: 2009+A2: 2009
IEC 61000-3-2: 2005+A1: 2008+A2: 2009 (ed. 3.2)
GOST R 51317.3.2-99 (IEC 61000-3-2-94)
EN 61000-3-3: 2008
IEC 61000-3-3: 2008 (ed. 2)
GOST R 51317.3.3-99 (IEC 61000-3-3-94)
EN 55014-2: 1997+A1: 2001+A2: 2008
CISPR 14-2: 1997+A1: 2001+A2: 2008 (Cons. ed. 1.2)
GOST R 51318.14.2-99 (CISPR 14-2-97)
EN 61000-6-2: 2005
IEC 61000-6-2: 2005 (ed. 2)**

Gemäss den Bestimmungen der Richtlinie(n):
Following the provisions of Directive(s):
Conformément aux dispositions de(s) Directive(s):

**2006/95/EG (Low Voltage Directive)
2004/108/EC (Electromagnetic Compatibility Directive)
89 / 336 / EEC (EMC Directive)**

Place and Date of Issue:

Name and Signature:

Company Seal:

Goldach, November 18, 2010

J Hammes
Chief Executive Officer

