

# Technical Sheet

## AIRFLOW® Prophylaxis Master Premium AIRFLOW® ONE Premium



### PRODUCT INDICATION

Product type	Table top unit combining air-polishing and ultrasound scaling for dental prophylaxis
Indication	<p><b>PREVENTION, MAINTENANCE AND TREATMENT during dental prophylaxis to remove biofilm and calculus from natural teeth, restorations and implants.</b></p> <p>Application on natural teeth including all smooth surfaces, pits, fissures and interproximal areas, dental restorations and dental implants.</p> <p><b>AIRFLOW® applications include:</b></p> <ul style="list-style-type: none"><li>• Plaque removal for the placement of sealants</li><li>• Surface preparation prior to the bonding / cementation of inlays, onlays, crowns and veneers</li><li>• Surface preparation prior to placing composite restorations</li><li>• Effective plaque and stain removal for orthodontic patients</li><li>• Cleaning prior to the bonding of orthodontic brackets</li><li>• Cleaning the implant fixture prior to loading</li><li>• Stain removal for shade determination</li><li>• Plaque removal prior to a fluoride treatment</li><li>• Plaque and stain removal prior to a whitening procedure</li></ul> <p><b>PERIOFLOW® applications include:</b></p> <ul style="list-style-type: none"><li>• Maintenance of periodontal deep pockets up to 9 mm following initial treatment</li><li>• Removal of periodontal biofilm</li><li>• Cleaning of implants</li></ul> <p><b>Within AIRFLOW® Prophylaxis Master Device</b></p> <p><b>PIEZON® applications include:</b></p> <ul style="list-style-type: none"><li>• Removal of supragingival calculus</li><li>• Removal of subgingival calculus</li><li>• Periodontal treatment</li></ul>

### PRODUCT PROPERTIES

Origin	Switzerland
Storage temperature	Device in package: +5°C to +25°C Device alone: -10°C to +30°C, no water inside
Product specifications	<ul style="list-style-type: none"><li>• Power supply 100–240 Vac, 50–60 Hz, 4 A max.</li><li>• Power consumption OFF-mode / Stand-by: 0.5 W max, Max: 700 VA</li><li>• Ultrasonic module<ul style="list-style-type: none"><li>– Max Output Power: 8 W under fully-loaded mechanical condition.</li><li>– Frequency: 24–32 kHz.</li><li>– Primary tip vibration excursion: 200 µm max.</li></ul></li></ul>

## PRODUCT PROPERTIES

<b>Product specifications</b>	<ul style="list-style-type: none"> <li>• Fuse 5A, T (slow), 250 Vac, H type (= T5H250V)</li> <li>• Wireless communication module: Max 8dBm EIRP, 2.4 GHz band, Bluetooth® radio module</li> <li>• Weight <ul style="list-style-type: none"> <li>– Control Unit 5 kg max. (full operating condition)</li> <li>– Foot pedal: 0.35 kg max. (wireless pedal)</li> </ul> </li> <li>• Classification 60601-1: <ul style="list-style-type: none"> <li>– Electrical Insulation Class-I</li> <li>– Applied part Type B</li> <li>– IP20 Control unit</li> <li>– IP21 Foot pedal</li> </ul> </li> </ul>
<b>Components</b>	<ul style="list-style-type: none"> <li>• AIRFLOW® Prophylaxis Master unit (with master screw, water and air filters installed) or AIRFLOW® ONE Unit</li> <li>• AIRFLOW® PLUS Prophylaxis Powder (12 bottles)</li> <li>• AIRFLOW® CLASSIC Prophylaxis Powder (2 bottles)</li> <li>• PIEZON® bottle</li> <li>• NIGHT CLEANER bottle</li> <li>• Biofilm Discloser</li> <li>• Quick Guide (providing link to e-IFU download and product registration)</li> <li>• Powder Chambers (PLUS and CLASSIC)</li> <li>• NIGHT CLEANER (1 bottle)</li> <li>• AIRFLOW® Handpiece cord</li> <li>• PIEZON® Handpiece cord</li> <li>• Powder cord</li> <li>• Air Hose</li> <li>• Water Hose</li> <li>• CLIP + CLEAN (2 PIECES)</li> <li>• Boost wireless pedal with 2x AA 1.5V type lithium batteries</li> </ul>
<b>Sterilization / Disinfection</b>	<ul style="list-style-type: none"> <li>• NIGHT CLEANER for waterline cleaning and disinfection</li> <li>• Reprocessing of EMS parts according to instructions 5.3</li> </ul>
<b>Shelf life</b>	<p>Device in package: 2 years, due to NIGHT CLEANER</p> <p>Device alone: N/A</p>
<b>Regulatory status</b>	Class IIa medical device, CE marked
<b>Entry on the market</b>	2017-03-30 in Europe

## MANUFACTURING

<b>Production process</b>	Assembly consists of unique components developed, designed and assembled in Switzerland by Swiss Company E.M.S – Electro Medical Systems SA
<b>Packaging</b>	<p><b>Device: AIRFLOW® Prophylaxis Master Dimensions (L x W x D)</b>  Control unit: 245 mm x 260 mm x 290 mm  Wireless pedal: Diameter 135 mm, Height 35 mm  Weight (kg):</p> <ul style="list-style-type: none"> <li>• Control unit: 5 kg max. (full operating conditions)</li> <li>• Foot pedal: 0.35 kg max. (wireless pedal)</li> </ul> <p><b>Device: AIRFLOW® ONE Dimensions (L x W x D)</b>  Control unit : 245 mm x 205 mm x 290 mm  Wireless pedal: Diameter 135 mm, Height 35 mm  Weight (kg):</p> <ul style="list-style-type: none"> <li>• Control unit: 5 kg max. (full operating conditions)</li> <li>• Foot pedal: 0.35 kg max. (wireless pedal)</li> </ul>

# AVAILABLE PRODUCT LINE

Product type	Product Description	Art.-No.
Device	AIRFLOW® Prophylaxis Master Premium with Bluetooth	FT-229S-STM1
Device	AIRFLOW® ONE Premium with Bluetooth	FT-230S-STM1
Consumable	4 bottles 300g AIRFLOW® CLASSIC powder Cherry	DV-048/A/CHE
Consumable	4 bottles 300g AIRFLOW® CLASSIC powder Lemon	DV-048/A/LEM
Consumable	4 bottles 300g AIRFLOW® CLASSIC powder Mint	DV-048/A/MIN
Consumable	4 bottles 300g AIRFLOW® CLASSIC powder Neutral	DV-048/A/NEU
Consumable	A Carton - 4 bottles 120 g powder AIRFLOW® PERIO	DV-070/A
Consumable	Box A - 4 bottles of 200g of powder AIRFLOW® SOFT	DV-071/A
Consumable	4x 120g powder AIRFLOW® PLUS	DV-082/A
Consumable	Instrument A	DS-001A
Consumable	Instrument A x3	DS-001A/T
Consumable	Instrument P	DS-011A
Consumable	Instrument P x3	DS-011A/T
Consumable	Instrument PS	DS-016A
Consumable	Instrument PS x3	DS-016A/T
Consumable	Instrument PSL	DS-083A
Consumable	Instrument PSL x3	DS-083A/T
Consumable	Instrument PSR	DS-084A
Consumable	Instrument PSR x3	DS-084A/T
Consumable	Instrument PI	DT-065A
Consumable	PSL and PSR instruments	FS-461
Consumable	File Holder 120°	DS-010A
Consumable	40x PERIOFLOW® nozzles marked	DT-476
Consumable	4x40 PERIOFLOW® nozzles marked	DT-476A
Consumable	6x NIGHT CLEANER	DV-154-A
Consumable	BIOFILM Discloser	DV-158
Consumable	PIEZON® Handpiece set	FS-455
Consumable	AIRFLOW® Handpiece set	FS-457
Consumable	PERIOFLOW® Application	FS-466
Consumable	Light guides	FV-065
Accessory	PERIO-FLOW Nozzle extractor	DT-095
Accessory	AIRFLOW® Station+	DW-048A
Accessory	AIRFLOW® Station	DW-048B
Accessory	PIEZON® bottle	EG-111A
Accessory	NIGHT CLEANER bottle	EG-120A
Accessory	WATER bottle	EG-121A
Accessory	Boost wireless pedal	EK-404B
Accessory	Foot switch	EK-410A
Accessory	Cartouche filtre Air	EL-599
Accessory	Powder chamber CLASSIC	EL-606A

## AVAILABLE PRODUCT LINE

Product type	Product Description	Art.-No.
Accessory	Powder chamber PLUS	EL-607A
Accessory	AIRFLOW® O-Rings	EL-651
Accessory	CLIP+CLEAN	EL-655
Accessory	AIRFLOW® handpiece cord	EM-145A
Accessory	PIEZON® handpiece cord	EM-146A
Accessory	AIRFLOW® Easy-Clean	FV-083
Accessory	Set of 3 water filters	FV-094
Accessory	CombiTorque	FV-097
Accessory	Combitorque x3	FV-097/T

## HOTLINE

*Who to contact in case of technical problems?*

### EMS Germany

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Stahlgruberring 12  
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