

INSTALLATION CHEAT SHEET

For AIRFLOW® Prophylaxis Master and AIRFLOW® One



Please read the AIRFLOW® Prophylaxis Master (AFPM) or AIRFLOW® One (AFO) Instructions for Use (IFU) carefully prior to use. This document does not replace these IFU. Please access the IFU by clicking on the following links:

AFPM IFU:
FB-618



AFO IFU:
FB-621



Station IFU:
FB-636



Station+ IFU:
FB-638



EMS 
MAKE ME SMILE.

Installation Requirements

AIRFLOW® Prophylaxis Master FT-229

AIRFLOW® Device



Station DW-048B



**Station+ DW-048A
(with independent water supply)**



AIRFLOW® One FT-230



Key: Air Water Power

CONNECTORS

Equipment included with the purchase of your AFPM or AFO:

- Hose EH-142 for air (black/white), with quick coupling for the AIRFLOW® device
- Hose EG-110 for water (black/light blue + H2O sticker), with quick coupling for the AIRFLOW® device



Water hose (EG-110)

Air hose (EH-142)

⚠ The use of cables and accessories other than those supplied by EMS may negatively affect EMC performance. Use only parts supplied by EMS. To be provided by the installing technician (please request that your technician supply this during installation): Quick connectors for the air/water plug (most common: 1/4" Poly Q.D. w/Shut-off, Male)



Example quick connector
(coupling counterpart chairside)

POWER SOURCE

- Voltage: 100-240 V
- Vac Frequency: 50 to 60 Hz
- Operating current: 4 A max
- Class-I insulating system - requires protective earth (DO NOT INSTALL the device if your dental practice does NOT have protective earth). Plug the device only into an F1 protected mains supply. Check that the rated voltage of the device is suited for the local line voltage to prevent damaging the device, risk of fire or electric shock.
- As optional, order an adapter plug, if an IEC built-in socket is available.

COMPRESSED AIR SOURCE

Please make sure it is NON-REGULATED

- Pressure: 4.5 to 7 bar. Ideally 6 bar – 80 psi (min 79 psi, max 101 psi)
 - Flow rate: at least 20 NL/min
 - Dry Air. Max. humidity: 1,032 g/m3
 - Filtration: max. 1 µm
1. Connect the air supply line to external device panel.
 2. Measure with a manometer at this connection point.
 3. Adjust the supply pressure if air pressure or flow rate is insufficient.
 4. Connect the AIRFLOW® device.

WATER SOURCE

Filtered drinking water

- Pressure: 2 to 5 bar – 30 to 72 psi
 - Salinity: max. 0.2%
 - Temperature: 10°C to 30°C – 50°F to 83°F
1. Connect the water hose EG-110 to the cabinet/dental unit.
 2. To prevent retro contamination, connect the cable to an EN-1717 or DVGW compliant fluids source.

IMPORTANT INFORMATION

BE AWARE THAT MOISTURE OR CONDENSATION CAN COMPROMISE THE INTEGRITY OF THE AIRFLOW® DEVICE AND AFFECT THE WARRANTY: If this occurs, promptly notify your dental dealer technician or the compressor manufacturer for maintenance.¹

DO NOT INSTALL THE PIEZON® OR NIGHT CLEANER BOTTLES BEFORE CONNECTING THE AIR AND WATER LINES.

- Please make sure the connectors for your air and water are different, so they cannot be switched (flooding your unit due to incorrect connectors is NOT covered by your EMS warranty).
- Ideally, the air/water connections and the power connection should be located in close proximity and at the base of the dental chair:



Please ensure you comply with your country specific guidelines and use a body protected circuit.

- If an existing water connection is present and not needed, please conceal the connection.

STATION² /STATION+

- To not overtighten the screw that holds the device, use the provided Allen key as shown on the pictures:



In case of issue, slightly untighten this screw.

- WATER/PIEZON® bottle connections on a STATION+³:



✗ AIRFLOW® TREATMENT
✗ PIEZON® TREATMENT



✓ AIRFLOW® TREATMENT
✓ PIEZON® TREATMENT



✗ AIRFLOW® TREATMENT
✓ PIEZON® TREATMENT



✓ AIRFLOW® TREATMENT
✓ PIEZON® TREATMENT

1. If you are concerned about such issue, please conduct a pre-site inspection for moisture at the compressor and connection sites before the Performance Checklist, and consult your dealer technician for additional filtration options if necessary. Avoid using the unit until both the inspection and maintenance are completed.

2. Always make sure that the angled couplings EG-124 (water) & EH-145 (air) are correctly mounted in between the supply cords & the device backpanel, refer to the procedure into the IFU FB-636.

3. Refer to the procedure into the IFU FB-638.



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HEADQUARTERS

NYON, SWITZERLAND

E.M.S. ELECTRO MEDICAL SYSTEMS S.A.

Chemin de la Vuarpillière 31

CH - 1260 Nyon

www.ems-dental.com/en/contact

www.ems-dental.com

T. +41 22 994 47 00

F. +41 22 994 47 01



WORLDWIDE EMS AFFILIATES

DE

MUNICH, GERMANY

EMS ELECTRO MEDICAL SYSTEMS GMBH

Stahlgruberring 12

DE - 81829 München

T. +49 89 42 71 61 0

F. +49 89 42 71 61 60

E-mail: info@ems-ch.de

FR

FONCINE, FRANCE

EMS ELECTRO MEDICAL SYSTEMS

FRANCE SARL

32, route de Pontarlier

FR - 39460 Foncine-le-Haut

T. +33 3 84 51 90 01

F. +33 3 84 51 94 00

E-mail: info@ems-france.fr

ES

MADRID, SPAIN

EMS ELECTRO MEDICAL SYSTEMS S.L.

ESPAÑA SLU

C/ Tomás Bretón, 50-52 2ª planta

ES - 28045 Madrid

T. +34 91 528 99 89

E-mail: info@ems-espana.com

PT

LISBON, PORTUGAL

EMSPOR - ELECTRO MEDICAL SYSTEMS

PORTUGAL, UNIPESSOAL LDA

Avenida Miguel Bombarda, 36, 6A

PT - 1050-165 Lisboa

T. +351 912 338 777

E-mail: info@ems-portugal.com

IT

MILANO, ITALY

EMS ITALIA S.R.L.

Via Carlo Pisacane 7B

IT - 20016 Pero (MI)

T. +39 02 3453 8111

E-mail: dental@ems-italia.it

UK

CAMBRIDGESHIRE, UNITED KINGDOM

EMS UK LTD

Suite 2 - Xenus House - Sandpiper Court

Phoenix Park - Eaton Socon

UK - St Neots, Cambridgeshire

PE19 8EP

T. +44 01480 587260

Email: info@ems-unitedkingdom.com

SE

STOCKHOLM, SWEDEN

EMS NORDIC AB

Hammarby Fabriksväg 61

SE - 120 30 Stockholm

T. +46 8 899 102

E-mail: info@ems-nordic.se

If you have an issue during the installation or performance test, contact your local EMS aftersales listed here.

PL

TYCHY, POLAND

EMS POLAND SP. Z O.O.

Fabryczna 43

PL - 43-100 Tychy

T. +48 607 15 22 89

E-mail: info@ems-poland.com

GR

THERMI, GREECE

EMS EAST MEDITARANEAN M.I.K.E

10th KM. Thessaloniki (Balcan Center)

GR - 57001 Themi

T. +30 231 231 61 30

JO

AMMAN, JORDAN

EMS ELECTRO MEDICAL SYSTEMS JORDAN

No.2 - second floor, 195 Arar (Wadi Saqra) str.

JO - Amman

US

DALLAS, USA

EMS CORPORATION

11886 Greenville Avenue, Ste 120

US - Dallas, Texas 75243

T. +001 800-367-0367

E-mail: info@ems-na.com

Aftersales: emsrepairs@ems-na.com

AU

SYDNEY, AUSTRALIA

EMS OCEANIA PTY LTD

The Woolstores - Suite 3, Shed 73

4E Huntley Street

AU - Alexandria, NSW 2015

T. +61 405 095 867

E-mail: info@ems-oceania.com

JP

TOKYO, JAPAN

E.M.S. JAPAN BRANCH OFFICE

2F Takebashi Yasuda Building,

3-13 Kanda Nishiki-cho

JP - Chiyoda-ku, Tokyo, 101-0054

T. +81 (0) 3-6810-9351

F. +81 (0) 3-6810-9352

E-mail: emsjapan@ems-ch.com

CN

SHANGHAI, CHINA

医迈斯电子医疗系统贸易(上海)有限公司

E.M.S. ELECTRO MEDICAL SYSTEMS TRADING

(SHANGHAI) CO., LTD.

24A, Jin Sui Mansion,

N°379 Pudong Nan Rd.

CN - Shanghai 200120

T. +86 21 3363 2323

E-mail: emschina@ems-ch.com

KR

SEOUL, SOUTH KOREA

EMS ELECTRO MEDICAL SYSTEMS KOREA LTD.

3F, 8, Teheran-ro 98 Gil, Gangnam-Gu

T. +82 70 7807 2875

E-mail: emskorea@ems-ch.com