

**EMS AirFlow Master Installation Guide**

This document is intended as a guide only.

**IMPORTANT:** This equipment should only be installed by a suitably trained person that has experience installing this type of dental equipment. If in doubt **DO NOT** proceed with the installation.

Optident Limited will not be held accountable for any losses or damage resulting from improper installation of this equipment.

Optident Limited recommends the services of Henry Schein Dental for installation of this equipment.

**INTRODUCTION**

The EMS AirFlow Master & EMS AirFlow Master Piezon require a mains air and water supply, which is connected to the unit via x2 6mm braided hoses supplied with the unit. The unit also requires connection to a mains electrical supply using the UK Mains Power Cord also supplied.

**AIR & WATER CONNECTIONS**

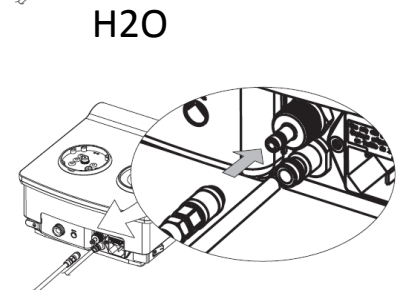
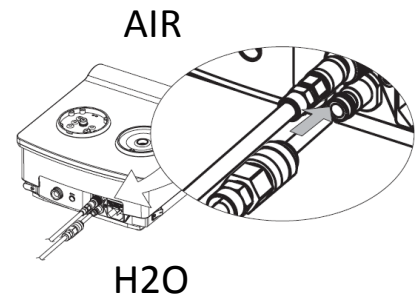
The unit is supplied with x2 braided hoses, od 6mm, id 4mm:

The **Red/Grey** braided air hose supplied with the unit is fitted with a Rectus Type 21 Q.D. coupling. This coupling is to connect to the corresponding fitting on the rear of the unit labelled AIR.

The free end of the air hose is supplied blank. It will be necessary for the installation engineer to supply suitable connections at this end.

The **Grey** braided water hose supplied with the unit is fitted with a Rectus Type 20 Q.D. coupling. This coupling is to connect to the corresponding fitting on the rear of the unit labelled H2O.

The free end of the water hose is supplied blank. It will be necessary for the installation engineer to supply suitable connections at this end.



**IMPORTANT:** We recommend that the air and water connection fitted to the blank end of the braided air and water hoses are of different design/fitment, so as to prevent accidental misconnection of the mains services i.e. air to water, water to air. Misconnection of the mains services may result in serious damage to internal components of the unit.

An installation kit comprising of male and female fittings to connect the braided hose to a panel mount quick-disconnect is available. See specification below. Order code: \*\*\*\*\*

Description:	Connects to:	Qty:
1/4 Panel Mount Q.D. w/Shut-off, Female	Water – Mains supply	1
1/4 Panel Mount Q.D. w/Shut-off, Male	Water – Braided hose	1
6/4 Bulkhead Q.D, Female	Air – Mains supply	1
6/4 Bulkhead Q.D, Male	Air – Braided hose	1

Additional parts required to complete installation should be supplied by the installation engineer.

**AIR & WATER PRESSURE**

For the unit to function correctly the delivery air pressure should be maintained between 5.5 & 7.5 Bar. The air supply must be dry and free of any contaminants.

The delivery water pressure should be maintained between 1.0 & 5.0 Bar. The water supply must be of good quality and free of any contaminants.

**IMPORTANT:** Failure to maintain correct air and water pressure during operation may affect the performance of the unit.

**POWER SUPPLY**

The unit is connected to the mains power supply using the UK Power Supply Cord supplied with the unit. Supply voltage 100-240 VAC 50-60Hz.

**WEIGHT & DIMMENSIONS**

The unit should be located on a stable and level surface. Weights and dimensions are approximate.

<b>AirFlow Master</b>	<b>AirFlow Master Piezon</b>
HxWxD: 225 x 225 x 295mm	HxWxD: 225 x 280 x 295mm
Weight: 5.0 kg	Weight: 4.5 kg

**TROUBLESHOOTING**

Refer to the Operating Manual.

**ADDITIONAL INFORMATION**

Contact Optident Limited direct on 01943 605050.