



**Klausz Dental
Laboratories Ltd.**

Working **harder and smarter** for your practice!

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An O.I.C.S. Specialty Laboratory
Occlusion - Implants - Cosmetics - Sleep

O2Vent Optima Airway Management System

O2Vent Optima

The O2Vent Optima appliances are the latest offering in the O2Vent oral appliance range. O2Vent Optima is 3D printed with durable nylon. The lower jaw can be moved forward to a comfortable range while also allowing the integrated airway channel to bypass nasal congestion and other areas of airway collapse, such as from the tongue, soft palate and lateral walls.



Unique Airway Technology:

- ✓ Taking traditional oral appliances to the next level
- ✓ 3D printed nylon is lightweight, comfortable and durable
- ✓ Adjustable mandibular protrusion
- ✓ Increases vertical dimension
- ✓ Proven efficacy of the proprietary air channel
- ✓ Uninterrupted therapy with nasal issues
- ✓ Especially suited for mouth breathers
- ✓ Oral positive expiratory pressure with ExVent
- ✓ Therapy backed by clinical trials

O2Vent Optima Mini

The O2Vent Optima Mini is a discreet and low-profile oral device that manages the upper airway for the treatment of mild to moderate obstructive sleep apnea (OSA) and snoring by incorporating the proprietary Oventus Airway Technology. The O2Vent Optima Mini's design (without the airway extension) may benefit patients requiring enhanced lip-seal, to avoid excess saliva build-up and/or dry lips.



Oventus ExVent

ExVent is an optional accessory which is inserted into the front oral airway of the O2Vent Optima appliance. It creates resistance in the upper airway, providing additional airway support whilst prolonging exhalation.

The ExVent valve opens fully on inhalation but closes on exhalation, pushing air through the valve's air vents. This creates the resistance, also known as PEEP, positive end respiratory pressure. PEEP resistance helps to further stabilize the soft palate and lateral walls, providing more support than advancement alone.

ExVent can benefit any patient who:

- ✓ Struggles with or has failed traditional treatment therapy
- ✓ Continues to snore using oral device advancement alone
- ✓ Needs more airway support
- ✓ Valves are available in 3 pressure strengths for airway support

How ExVent works

ExVent – Breathing in



ExVent – Breathing out



ExVent is not a stand-alone device and cannot be used with other mandibular advancement splints (MAS).

The *ExVent* valve opens fully on inhalation for unrestrictive air flow. The valve closes on exhalation, directing the breath through air vents, creating resistance, also known as Positive End Expiratory Pressure (PEEP).

ExVent's PEEP resistance helps to further stabilise the soft palate and lateral walls, providing more support than advancement alone!

Low



Medium



High



Always looking for new and innovative appliances to help your patients sleep better is just another way we are,
“Working Harder and Smarter for your Practice”