

Technical data	Silent Power Gold	Silent Power Gold M	Silent Power Silver 4L	Silent Power Silver 2L	Silent Power Silver 2
Ceramic ball bearings	•	•	•	•	•
Total weight (g)	55	52	68	65	56
Titanium grip	•	•			
Stainless steel grip			•	•	•
Castellini quick fit (4 way + 2 contacts)	•	•	•		
Four-way attachment +2 contacts				•	
Four-way attachment					•
Button-type mill lock	•	•	•	•	•
LED lighting	•	•	•	•	
4 spray jets (4+4 nozzles)	•		•		
2 spray jets (2+2 nozzles)		•		•	•
Top speed (rpm)	350.000	400.000	350.000	350.000	350.000
Air pressure (bar)	2.7 ÷ 2.8	2.8 ÷ 2.9	2.7 ÷ 2.8	2.6 ÷ 2.7	2.6 ÷ 2.7
Max water flow rate at 1.2 bar (mL/min)	60	56	60	56	56
Average noise level dB(A)	57	57	57	57	57
Autoclavable 135 °C	•	•	•	•	•
Washable in instrument washers	•	•	•	•	•



SILENT POWER

TECHNOLOGICAL
SUPERIORITY

Castellini S.p.A.
Via Saliceto, 22
40013 Castel Maggiore (BO) - Italy
tel. + 39 051700877
fax + 39 051701056
castellini@castellini.com
www.castellini.com



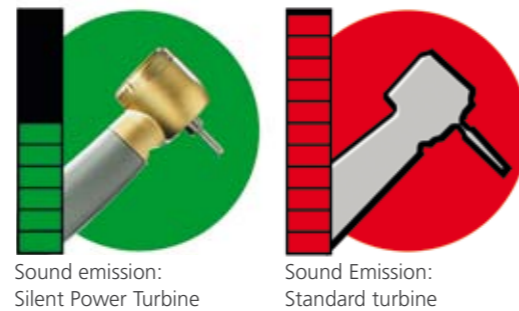
CASTELLINI

PASSION FOR DENTISTRY
SINCE 1935

FULL WORKING COMFORT



Castellini Silent Power turbines are a cut above the rest thanks to their extraordinary ability to marry power and quietness. The leading-edge ceramic bearing technology, rotating precision and fluidodynamic study of air flows have meant that the acoustic level of the turbine has been more than halved, brought down to an average level of 57 dB(A), virtually imperceptible against the noise you would normally expect to find in the environment, something that is further improved by the reduction of the predominantly medium-high frequencies, that are a greater cause of acoustic discomfort. Silent Power achieves top-of-the-class performance and unquestioned comfort due to lower auditory stress. This leads to a more pleasant environment for both patient and consumer.



LED lighting technology in the operating field

A miniaturised circuit with a light emitting diode replaces traditional halogen bulbs. Compared with halogen bulbs the LED has an incomparably longer life, up to tens of thousands of hours. It also emits a high-quality white light that does not alter the colour of the teeth or tissues.

Multiple irrigation

From two to four spray irrigators in the various Silent Power models ensure the best cooling and maximum visibility in the working field at all times no matter what conditions you are working under. Two separate nozzles, one for water and one for air at each point of delivery prevent the fluids mixing inside the turbines and thus contamination of the circuits, ensure an always stable spray regardless of the different air and liquid pressures. The turbine is fitted with a chip-blower to ensure very dry air at the head. A ring adjustment on the lead connector or rapid coupling regulates the irrigating flow.



Hygiene and Asepsis

The characteristics of the materials and the components mean the Silent Power turbines can be washed and heat disinfected in instrument washers and sterilised in autoclaves up to 135 °C.

Performance and reliability

A pneumatic power propeller consisting of a rotor built in conformity with extremely strict standards. A real engineering gem with dimensional precision down to the thousandths of a millimetre supported by advanced-concept ceramic ball bearings providing minimum friction and inertia effect: more power, fewer vibrations, maximum durability. Materials, ergonomic contour and lubrication; a combination which provides the best of high-speed power and withstands the dynamic stresses generated while working, as well as both the thermal and chemical aggression of modern autoclaves.

Precious materials

The Silent Power turbines are made of top quality materials. Full titanium for the Gold model translates into mechanical strength, lightness and comfort to the touch but also top levels of biocompatibility and chemical resistance. Surgical-type stainless steel for the Silver models thereby guaranteeing the instrument's quality and long life. Titanium Nitride (TiN) for the coating of the heads of the Gold models, a compound offering very high durability and resistance to wear and abrasion.

Quick attachment for turbines with Optical-Fibre Gold and Silver 4L Silent Power models that can be applied to all four-way two-contact cords. It allows the turbine to swivel through 360°.

A rotor capable of generating very high torque is the heart of the turbine: new-technology ceramic ball bearings with high mechanical resistance and low friction, minimum inertial mass for high yield. Superior performance and reliability in Castellini Silent Power Turbines.

The burr change is quick and easy with a pushbutton release command on the head of all the Castellini Silent Power models.

