

THE DENTAL  
SOLUTIONS  
COMPANY™



## How Dentsply Sirona Reduces Aerosols

# Visible Difference

### Reduced Aerosol - Reduced Risk

Avoiding aerosols by all means possible has become a major aim in the dental industry in the past months. Facing this new challenge has motivated us to develop a solution to create a safer environment for you, your team and your patients. Our goal with this new solution is to remove as many of your concerns regarding aerosols as possible so that you can focus on what matters most, treating your patients.

[dentsplysirona.com/reducing-aerosols](https://dentsplysirona.com/reducing-aerosols)



# The Effect

Various studies have been conducted to identify which procedures carry a special risk due to high aerosol dispersion. Results show that especially people in the dental industry are exposed to the danger of getting in contact with contaminated aerosol.<sup>1</sup>

Treating patients with a red contra-angle produces fine spray mist to both cool the area of treatment and also enable a good view to the treatment area for the dentist. To be able to offer you the safest way possible to treat your patients in these times, we found a solution to considerably decrease the spray mist. By blocking the air of the spray, the creation of aerosol is reduced and virtually just water emits the instrument head and cools the treatment area.<sup>2</sup>



T2 Line A 200 L with air & water spray



T2 Line A 200 L with just water spray

With a very simple solution, Dentsply Sirona manages to decrease the spray mist considerably and still provide the cooling for the treatment to avoid thermal damages to the tooth.

This solution is also applicable to air-driven turbines, however, treatment with an electric contra-angle is to be preferred at this point as contra-angles emit less aerosol than turbines.

Due to the ideally positioned spray holes in our instruments, this solution works best when used with Dentsply Sirona instruments. The application of this solution with instruments from third-party manufacturers is possible if sufficient cooling can be secured; the blocking of the spray air can have a smaller effect when applied to non Dentsply Sirona instruments. The application on treatment centers from third party manufacturers has not been tested and is not recommended.

Note: Our solution does not replace proper PPE and infection and prevention measures.



T2 Control: Comparison between air & water spray (upper turbine) and only water spray (lower turbine)

## Dentsply Sirona

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**For additional information on this solution, please contact your local dealer or your Dentsply Sirona representative.**

<sup>1</sup> <https://www.perioimplantadvisory.com/periodontics/oral-medicine-anesthetics-and-oral-systemic-connection/article/14173521/covid19-and-the-problem-with-dental-aerosols>

<sup>2</sup> Sufficient cooling as required by ISO 14457:2017-10 norm.