

Ecogreen



3S

3SD

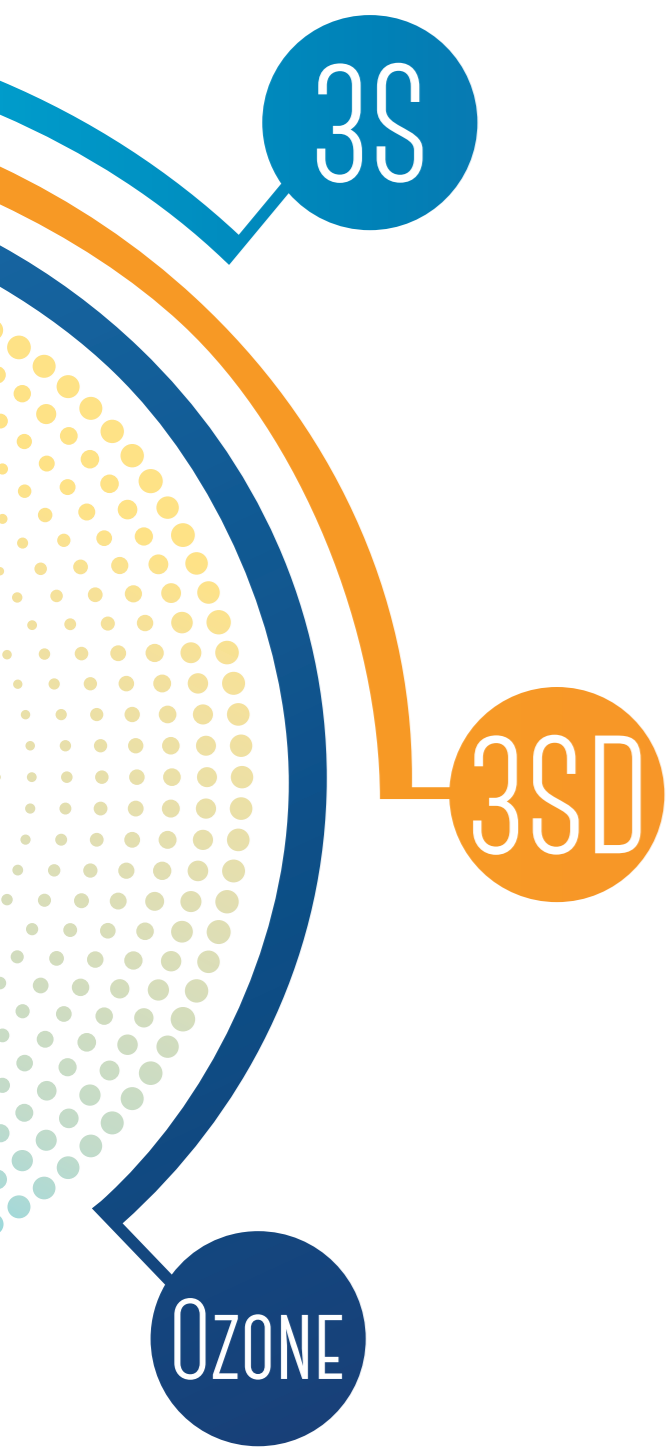
OZONE



be the
difference

Making the world
cleaner,
depends also on
how we do it





Our Strategy

Conscious of how important is to respect the environment we live in, we decided to take several initiatives towards that direction.



Saving water

The **3S system** adjusts the detergent solution carriage in a precise way, in order to avoid water wastefulness and to clean using the proper amount of detergent.



Focused usage of chemicals

The **3SD system** allows a precise consumption of water and detergent. It is possible to manage both the amounts of water and detergent, separately.



Sanitation without chemicals

Thanks to our **Ozone System** it is possible to sanitize the environments where a deep cleaning is not needed, without the use of detergent.



3S

3S Solution Saving System

It is the device developed to optimize the water and detergent consumption. The 3S system keeps a constant minimum detergent solution flow, properly set by an expert serviceman and designed for an optimal cleaning, no matter what operating capacities the operator requires from the scrubber.

3SD

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Compatible models



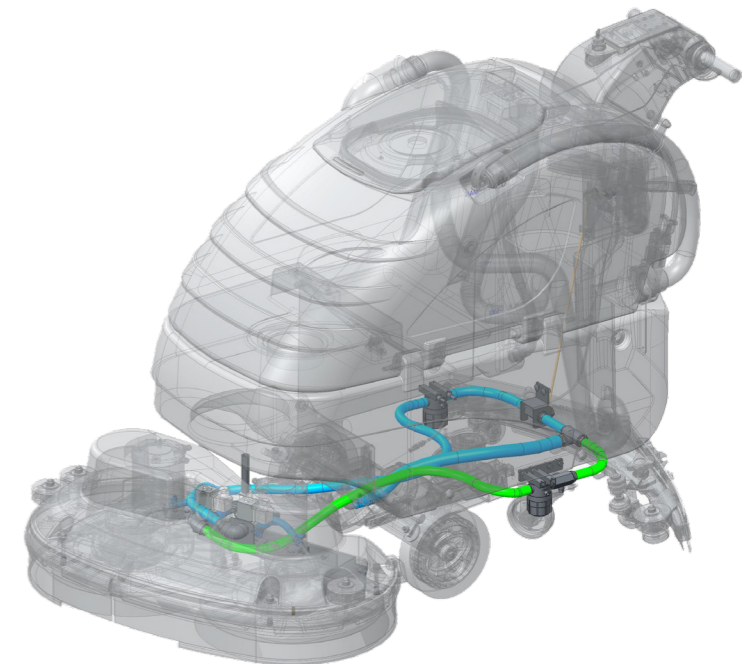
3S

The **3S system** is suitable for the following models:

- **ruby 50 / 50t**
- **ruby 55 / 55t**
- **jade 50 / 55 / 66**
- **jade 55c**
- **jade 50 orbital**
- **opal 66 / 80**
- **QUARTZ 50**
- **QUARTZ 66 / 80**
- **diamond 100p AC**
- **diamond 130**
- **diamond 100s**

The **3S system** is a standard equipment on:

TOPAZ 90
TOPAZ 85s



3SD Solution Saving System Dispenser

The system is made of a double hydraulic circuit, for the water and the detergent. Six different percentage settings can be chosen for the detergent, which is kept constant no matter what the water carriage is.

The water flow can be adjusted on eight different values and it is always provided depending on the machine speed. The liters/ m² ratio is then always constant.

Compatible models

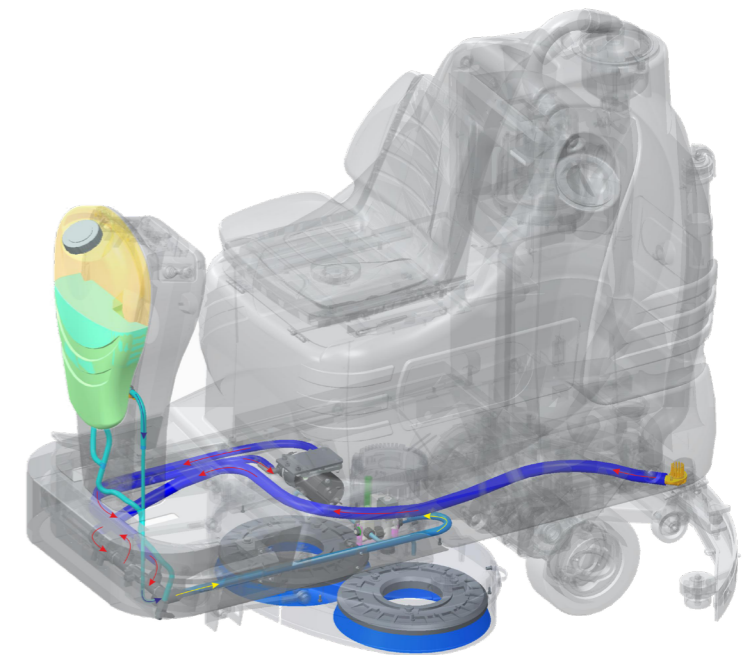


The **3SD system** is suitable for the following models:

- **QUARTZ 50**
- **QUARTZ 66 / 80**
- **coral 65m / 65II / 85**
- **coral 70s**
- **sapphire 85**
- **sapphire 70s**
- **TOPAZ 90**
- **TOPAZ 85s**

The **3SD system** is a standard equipment on:

- **ruby 48bh 3SD**
- **R-QUARTZ**



3S

3SD

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3S

3SD

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Tables Consumption

The 3S and 3SD allow our machines to ensure a precise water consumption value as the flow rate changes depending on the machine speed.

We made some tests in order to determine the total surface cleaned using a single full tank. The water carriage depends on the speed of the machine.

QUARTZ 50


Solution tank capacity 55 l.

	q (l/min)	q1 (l/m ²)	Sup. (m ²)
H1	0,19	0,006	9.166
H2	0,47	0,014	3.928
H3	0,75	0,022	2.500
H4	1,03	0,031	1.774
H5	1,31	0,039	1.410
H6	1,59	0,048	1.146
H7	1,87	0,056	982

QUARTZ 66


Solution tank capacity 100 l.

	q (l/min)	q1 (l/m ²)	Sup. (m ²)
H1	0,74	0,010	10.000
H2	1,17	0,015	6.666
H3	1,62	0,022	4.545
H4	2,07	0,028	3.571
H5	2,56	0,034	2.941
H6	3,02	0,040	2.500
H7	3,55	0,047	2.127

QUARTZ 80

3S



Solution tank capacity 100 l.

	q (l/min)	q1 (l/m ²)	Sup. (m ²)
H1	0,74	0,012	8.333
H2	1,17	0,019	5.263
H3	1,62	0,027	3.704
H4	2,07	0,034	2.941
H5	2,56	0,042	2.380
H6	3,02	0,050	2.000
H7	3,55	0,059	1.694

QUARTZ 80

3SD



Solution tank capacity 100 l.

	q (l/min)	q1 (l/m ²)	Sup. (m ²)
H1	0,92	0,0153	6.536
H2	1,36	0,0226	4.425
H3	1,85	0,0308	3.247
H4	2,29	0,0381	2.624
H5	2,82	0,0470	2.127
H6	3,41	0,0568	1.760
H7	3,80	0,0633	1.580

QUARTZ 66

3SD



Solution tank capacity 100 l.

	q (l/min)	q1 (l/m ²)	Sup. (m ²)
H1	0,92	0,0185	5.405
H2	1,36	0,0274	3.649
H3	1,85	0,0373	2.680
H4	2,29	0,0462	2.164
H5	2,82	0,0569	1.757
H6	3,41	0,0688	1.453
H7	3,80	0,0767	1.303

R-QUARTZ

3S



3SD



Solution tank capacity 100 l.

	q (l/min)	q1 (l/m ²)	Sup. (m ²)
H1	0,5	0,0100	10.000
H2	0,96	0,0190	5.263
H3	1,52	0,0300	3.333
H4	2,00	0,0400	2.500
H5	2,66	0,0530	1.886
H6	3,32	0,0670	1.492
H7	3,84	0,0770	1.298

coral

65m 65II 65



Solution tank capacity 100 l.

	q (l/min)	q1 (l/m ²)	Sup. (m ²)
H1	1,18	0,0242	4.132
H2	1,70	0,0348	2.873
H3	1,96	0,0402	2.487
H4	2,15	0,0441	2.267
H5	2,50	0,0512	1.953
H6	3,20	0,0656	1.524
H7	3,74	0,0767	1.303

sapphire 85



Solution tank capacity 110 l.

	q (l/min)	q1 (l/m ²)	Sup. (m ²)
H1	1,10	0,0155	7.097
H2	1,52	0,0214	5.139
H3	1,98	0,0279	3.942
H4	2,52	0,0355	3.097
H5	2,92	0,0412	2.670
H6	3,50	0,0494	2.226
H7	4,08	0,0576	1.909

coral 85



Solution tank capacity 100 l.

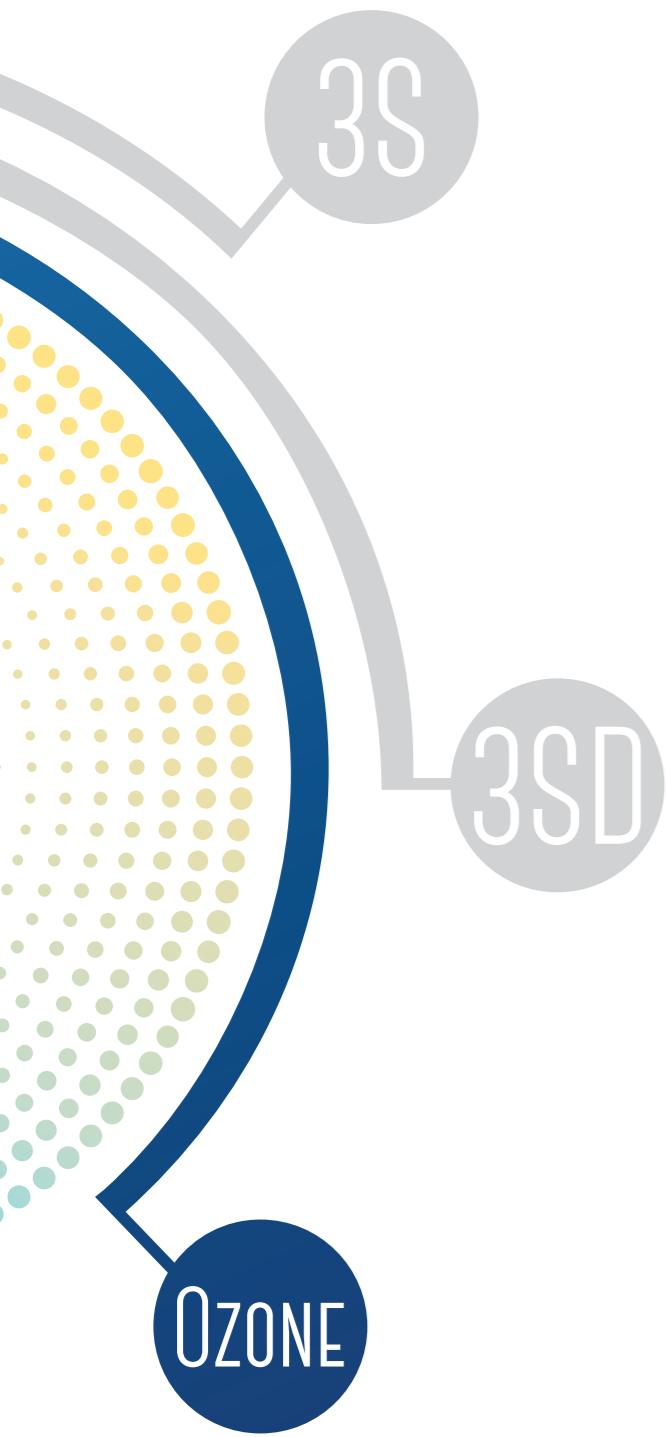
	q (l/min)	q1 (l/m ²)	Sup. (m ²)
H1	1,18	0,0185	5.405
H2	1,70	0,0270	3.704
H3	1,96	0,0310	3.226
H4	2,15	0,0340	2.941
H5	2,50	0,0390	2.564
H6	3,20	0,0500	2.000
H7	3,74	0,0590	1.695

TOPAZ 90



Solution tank capacity 180 l.
3S system as standard.

	q (l/min)	q1 (l/m ²)	Sup. (m ²)
H1	1,06	0,0123	14.634
H2	1,66	0,019	9.474
H3	2,14	0,025	7.200
H4	2,94	0,034	5.294
H5	3,42	0,04	4.500
H6	4,14	0,048	3.750
H7	5,06	0,059	3.051



The Ozone System

The scrubbers equipped with the Ozone System (O₃) are able to sanitize without the use of chemicals, when an additional disinfection is needed.

This feature makes possible for the “Chem-Less” range of machines to be particularly suited for environments where it is not only needed to “see” the cleanliness but where the disinfection is a necessity.

What is the Ozone?

Ozone is a chemical compound from 3 oxygen atoms O₃. Ozone is known to the general public for its presence in the stratosphere limiting the sun’s UV-radiation. What is less known is that ozone is an oxidant and also a very powerful disinfectant.

The traditional application:

- Disinfection of water (swimming pools, aquaria).
- Disinfection of food shelving and frozen sections.
- Disinfection of packaging.
- Disinfection of linen reduces the use of chemicals in the laundry soap.
- Disinfection of the skin (hands...).

The production of Ozone:

Our generators make it possible to obtain a level of red-ox of 750mV and more.

The decontamination action is effective above 600mV.

The advantages:

- The ozone generator does not require any chemicals:
 - No polluted dirt water
 - No packaging
- The O₃-system can be operated on a wide range of pH values.
- The ozonated water poured on the brushes makes them always clean and sanitized.

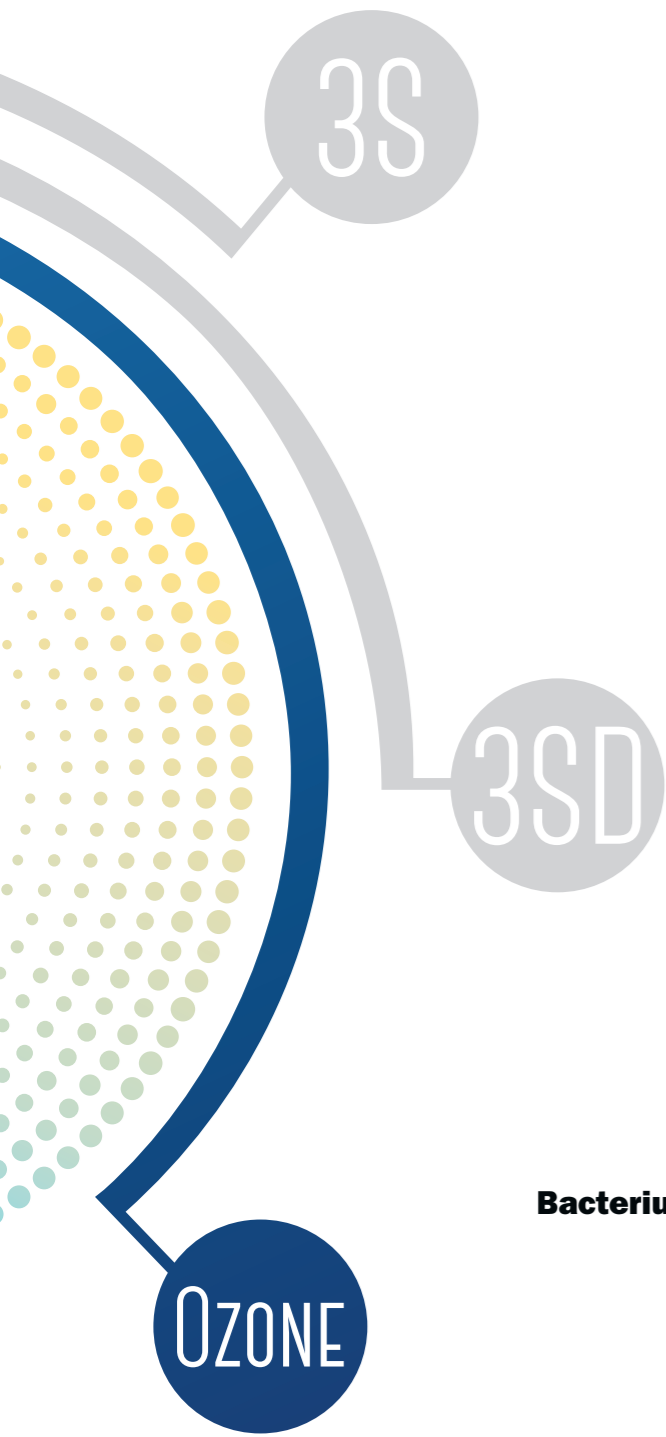
The result:

We have carried out a number of tests in a specialized laboratory confirming the effectiveness of the O₃-System for disinfection (bactericide, anti-germ). We reach this effectiveness not only when using the machine but also afterwards. Bacteria and germs develop at a much slower rate in the hours following the treatment

Compatible models



The **Ozone System** is suitable with all the Adiatek models except for the **baby family** ones.



The Adiatek Ozone system

how it works

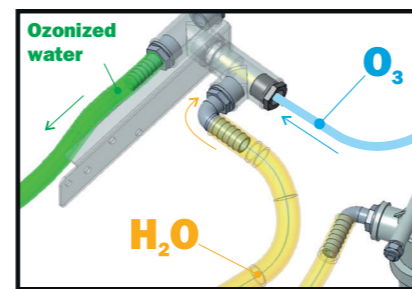
The Ozone generator is placed in a box ① fixed on the rear part of the machine, from which the Ozone gas is emitted.

Simultaneously, water is provided from the solution tank through a hose ② that goes to the mixer; from now on water and ozone are mixed and through the hose ③ are poured on the brushes.

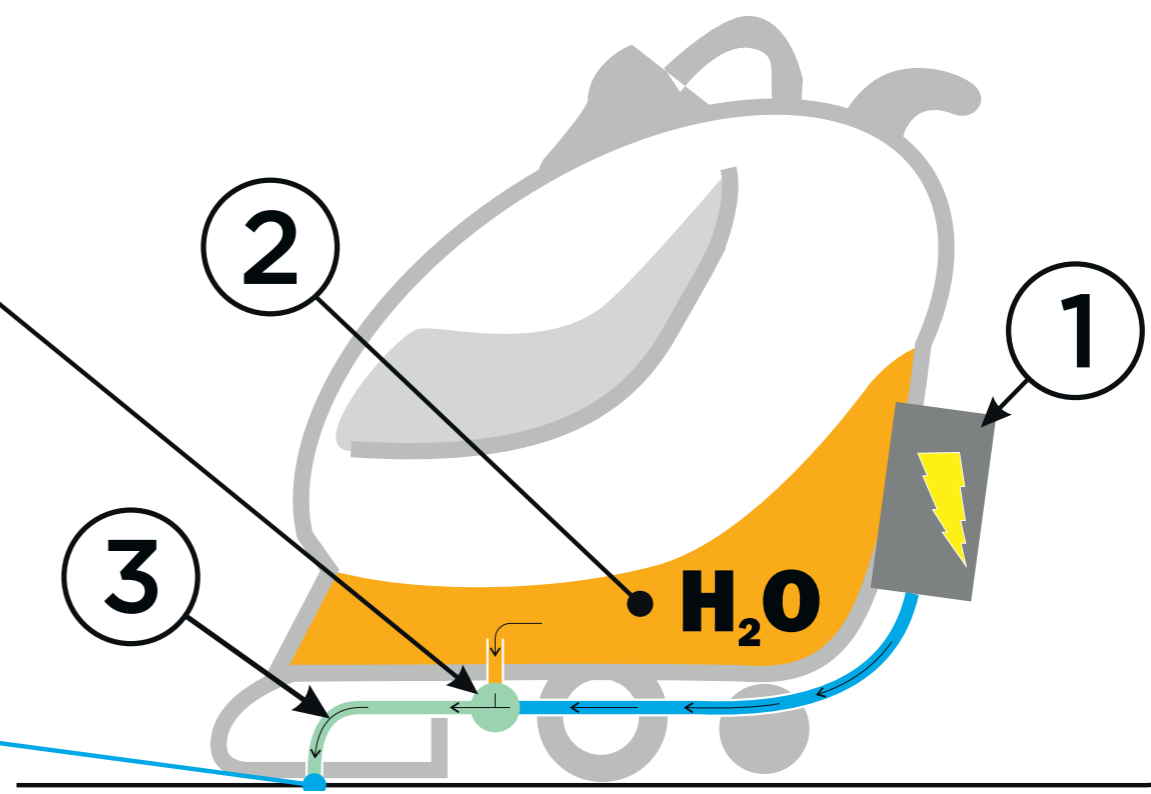
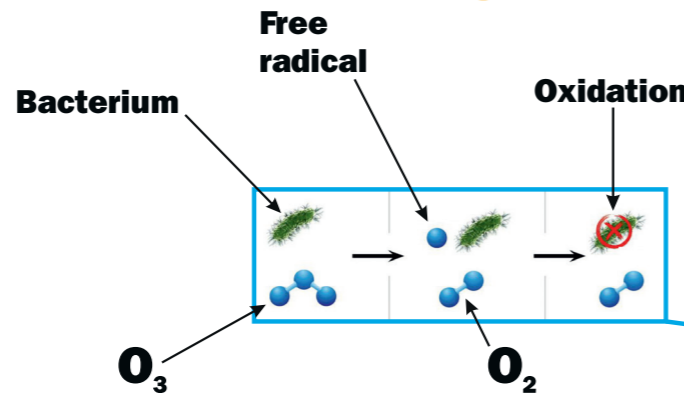
Ozone mixes with the water “instantly” then the generator produces ozone only when it is needed, so when the solution is poured on the brushes.

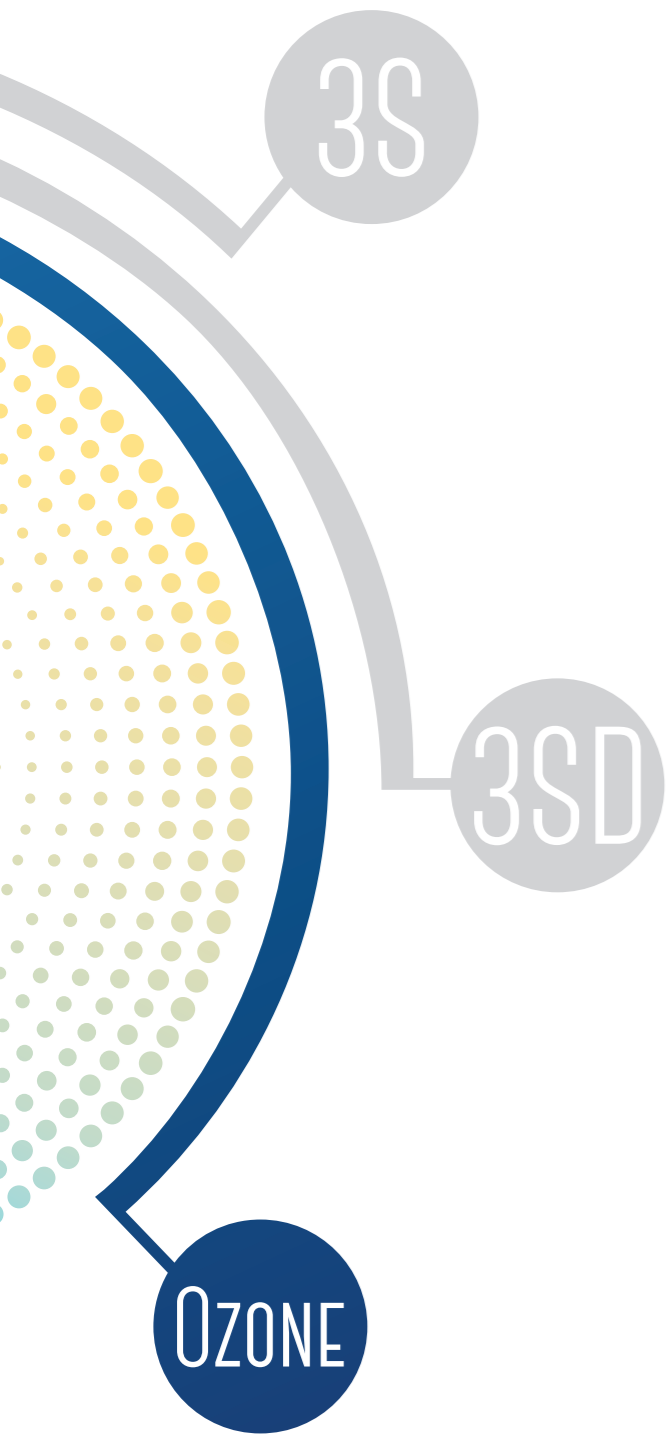
When the machine stops also the ozone production stops, thus avoiding the ozone leakage in the environment.

Water ozonization



Sanitizing reaction





What the **safety rules** provide for

The normatives are all related to the guidelines given by the World Health Organization. The European regulations report the WHO ones without any modification. The Italian regulations add some parameters of time to the ones already pointed by the European and Worldwide regulations.



Production limit
120µg/m³
WHO Air quality guidelines for Europe Second Edition chapter 7.2

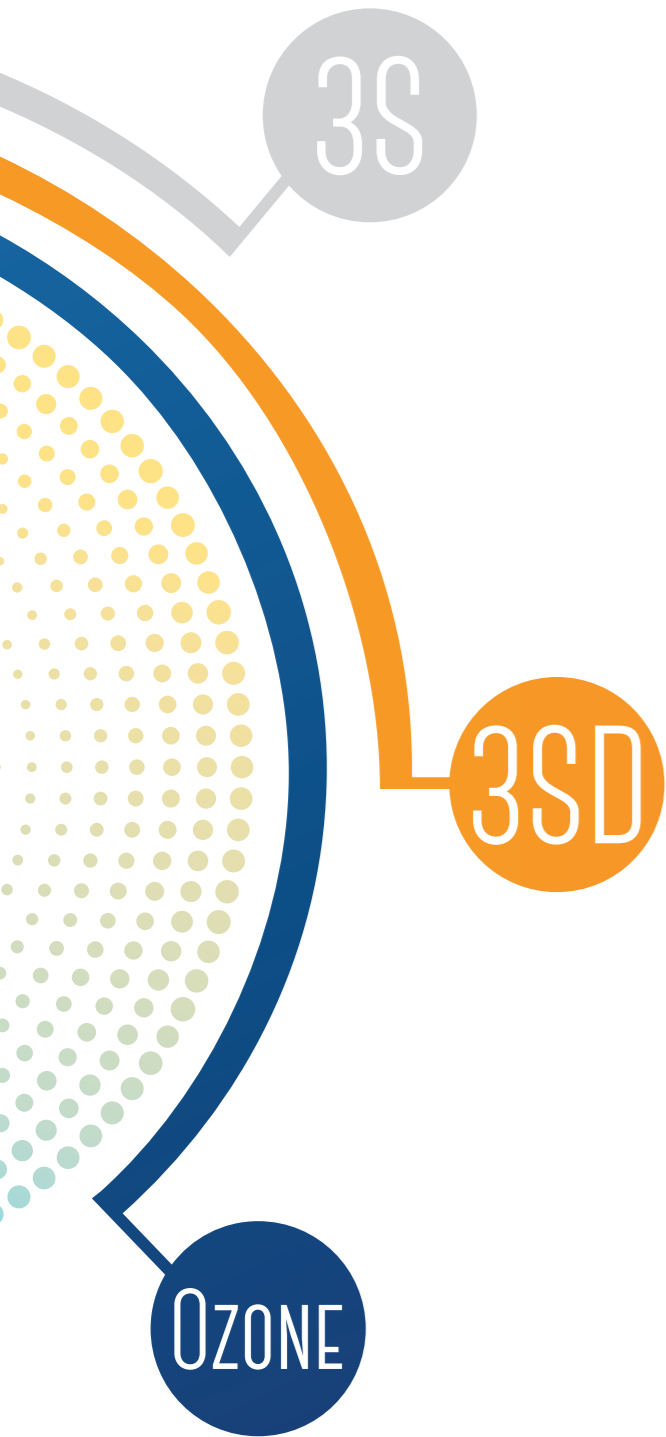
Production limit for 8h
120µg/m³
D.Lgs. 155 13/08/2010, attached VII, chapter 2.

The Adiatek Ozone system

is safe!

The instant production is

50 µg/m³



Combining **3SD** & **Ozone**

Taking advantage of the experience we had with those two systems, we combined, **the Ozone and the 3SD Systems** together on one machine.

The ozone cleaning does not replace the detergent cleaning on every environment and has to be carried where a sanitation in addition to the cleaning is needed. The detergent usage is still needed for the persistent dirt floors.



 **Ecogreen**



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