

# Dürr Dental Amalgam separators

The clean and economic solution for today and tomorrow



**DÜRR  
DENTAL**  
THE BEST, BY DESIGN



## What is amalgam and why does it have to be separated?

Amalgam consists of approx. 50% mercury and therefore is a health risk. Without amalgam separators the amalgam is discharged directly into the wastewater via the dental suction system. Due to this in 2017 the EU and more than 100 other countries have signed an international agreement on mercury negotiated under UNEP (United Nations Environment Programme). Known as the “Minamata Convention on Mercury”, an international treaty designed to protect human health and the environment from anthropogenic emissions and releases of mercury and mercury compounds. One issue of the convention is the use of the best environmental practices in dental facilities. That means: Amalgam must be separated and collected from the waste water of the treatment unit.

## Regulation (EU) 2017/852/Article 10

4. From 1 January 2019, operators of dental equipment using dental amalgam or removing dental amalgam fillings or teeth containing such restorations shall ensure that they are equipped with amalgam separators for the containment and collection of amalgam particles, including particles contained in the wastewater, are equipped.

These operators must ensure that:

- a) Amalgam separators put into service after 1 January 2018 have a retention rate of at least 95% of amalgam articles;
- b) from 1 January 2021, all amalgam separators in use are capable of the retention rate laid down in point (a).














Amalgam separators must be maintained according to the manufacturer’s instructions for the highest workable retention rate.

## Let’s protect the environment for future generations!

Protecting the environment for future generations is a social responsibility for all of us. Because of this we not only develop advanced system solutions, we also think about the environmental protection.

# Options for new installations or retrofitting your dental unit(s)

Dürr Dental can offer the right solution for every dental practice (wet or dry suction system, scapable from 1 till 4 operators)

	Dry Suction System (Air-water separation in each unit)		Wet Suction System (Central air-water-separation included in suction machine)			
Number of parallel operators	  					
Dürr Suction machine	Any central dry suction system		Tyscor VS 1, VS 300 S		Tyscor VS 2, VS 600	Tyscor VS 4, VS 900 S, VS 1200 S
Possible separators from Dürr Dental	CAS 1 instead of internal separator (e. g. CS 1)	CA 1 downstream of internal separator (e. g. Sepamatic)	VSA 300 (exchange old suction machine)	CA 1 Retrofit kit incl. pressure equalization tank	CA 2	CA 4 + pressure equalization tank
						
Remarks	Installation must be possible in the unit  Please check availability of retrofit kit at the DD service department	Output of <b>spittoon</b> must be <b>connected to waste water</b> after separator	Installation of <b>MSBV</b> in the unit <b>necessary</b>			
			 Advantage: no <b>suction power loss</b> , because amalgam separator is installed <u>after</u> suction unit			

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