

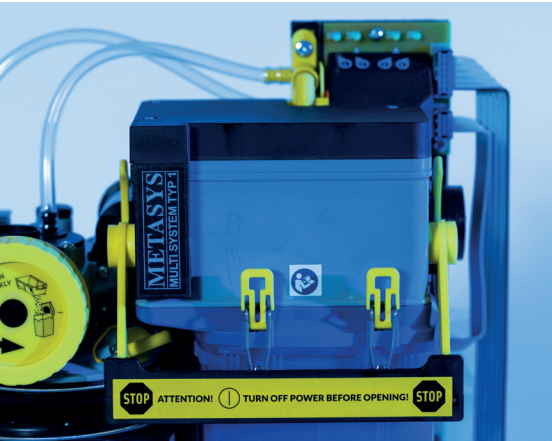
# Amalgam separation



Integrated in the dental unit | Central, close to the suction  
ISO 11143 certified

# AMALGAM SEPARATION TECHNOLOGIES AT A GLANCE

METASYS continues to be recognized as one of the leading companies for amalgam separation technologies. Thousands of faultlessly functioning amalgam separation systems emphasise the high reliability and operational safety of amalgam separators from METASYS.



## 1 The right solution for every situation!

In addition to the single-unit solutions, COMPACT Dynamic and MULTISYSTEM TYP 1, our range of amalgam separators also includes the central solutions, ECO II+ and ECO II+ Large. You have the choice of amalgam separators of equivalent value to match the requirements of your dental practice and find the optimal solution for you. All solutions have in common a modular design with correspondingly simple maintenance and servicing, high reliability, cost-effectiveness and state-of-the-art technology.

Installation solutions in dental units	Central solutions Retrofitting in suction systems
MULTI SYSTEM TYP 1	ECO II+ / ECO II+ Large
COMPACT Dynamic	ECO II+ D / ECO II+ Tandem D

## 2 Semi-wet suction with sedimentation separation

Every EXCOM hybrid suction system can be supplemented with a central, ISO-certified amalgam separation module. ECO II+ and ECO II+ Large amalgam separators impress with their maintenance-free function without any electronic switching and monitoring technology as well as their simple and quick installation.



	EXCOM hybrid A1 ECO II+	EXCOM hybrid A2 ECO II+ D	EXCOM hybrid A2 ECO II+	EXCOM hybrid A5 ECO II+ Tandem D	EXCOM hybrid A5 ECO II+
Order no.	104000011	104000013	104000012	104000016   104000017	104000014   104000015
Power supply	230 V	230 V	230 V	230 V   400 V	230 V   400 V

Detailed information on the EXCOM hybrid suction systems can be found in our suction systems brochure.

# THE RIGHT CARE MAKES THE DIFFERENCE

Proper cleaning and disinfection of the entire system is essential for both hygienic and functional reasons. Reducing dirt and biofilm prevents performance impairment and prolongs the service life of your equipment.



## GREEN&CLEAN M2

Dual, actively defoaming concentrate for disinfection and deodorization of suction systems\*



\*Please observe instructions for use!

## WITH GREEN&CLEAN M2



**Without deposits**  
Module 2 works flawlessly

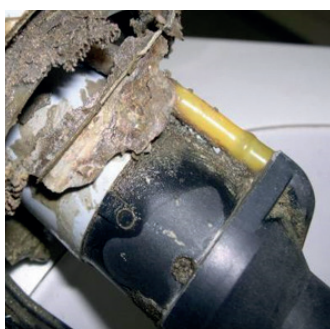


**No biofilm thanks to**  
proper cleaning and disinfection



**No traces of biofilm**  
in the hose of the suction system

## WITHOUT GREEN&CLEAN M2



**Deposits on module 2**



**Biofilm on the water deflector**



**Biofilm in the hose of the suction unit**

# METASYS AMALGAM SEPARATION

## Single unit solutions

### Modular construction

The modular design allows easy maintenance, service and repair.

The respective modules can be serviced, repaired or replaced individually.

- > Module 1 wall bracket (incl. circuit board)
- > Module 2 air/water separation
- > Module 3 centrifuge for amalgam separation

### Separator with integrated place selection valve

The air/water separation module is equipped with its own place selection valve.

Additional installations are therefore not required.

### Self-cleaning centrifuge

The centrifuge in module 3 ensures the high separation efficiency of up to 98.6 % (MST 1). In addition, the centrifuge is self-cleaning after each STOP. This results in a high degree of running smoothness and functional reliability.

### Various installation kits

A range of different installation kits, which are available for all common dental units, enable effortless and, above all, fast installation.



	MULTI SYSTEM TYP 1	COMPACT Dynamic
Order no.	101000001	101000026
Power supply	24 V AC	24 V AC
Frequency	50/60 Hz	50/60 Hz
Max. current consumption	2 A	6,3 A
Max. power consumption	46 VA	100 VA
Max. water flow rate	4,5 l/min	4,5 l/min
Negative pressure rate	80 mbar - 250 mbar	80 mbar - 160 mbar
Separation rate	98,6 %	96,4 %
Collection container volume	300 cm <sup>3</sup>	300 cm <sup>3</sup>
Dimensions (H x W x D)	305 x 210 x 104 mm	301 x 173 x 110 mm
Dimensions with cover (H x W x D)	340 x 280 x 185 mm	340 x 280 x 185 mm
DIBT approval number	Z-64.1-4	Z-64.1-2
MD class	I	I
Order no. with cover	101000007	

# METASYS AMALGAM SEPARATION

## Central solutions



### Maximum reliability

With the ECO II+ sedimentation separator, no electrical switching and monitoring technology is required. This increases the functional reliability and enables uninterrupted work in continuous operation.

### Maintenance and service

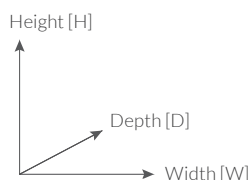
Sedimentation separators are maintenance-free due to their mode of operation. Only an annual container change is necessary, or whenever the amalgam separator is 100% full.

### Quick and easy installation

Connection to the suction system can be carried out in a minimum of time. An ECO II+ can be retrofitted to existing central suction systems.

### Perfect results even for large practices

The ECO II+ Large is specially designed for use in larger dental practices and offers a flow rate of 5.4 l/min. Thanks to its sophisticated sedimentation technology, it achieves a separation rate of over 95 %.



	ECO II+	ECO II+ D	ECO II+ Tandem D
Order no.	101000024   101000025*	101000022**	101000023**
Max. water flow rate	1 l/min	2 l/min	2 l/min
Separation rate	99,3% bei 1 l/min 95% bei 2,7 l/min	99,3% bei 1 l/min 95% bei 2,7 l/min	99,3% bei 1 l/min 95% bei 2,7 l/min
Collection container volume	700 cm <sup>3</sup>	2 x 700 cm <sup>3</sup>	2 x 700 cm <sup>3</sup>
Replacement interval		at least annually or when 100% full	
Dimensions (H x W x D) mm	308 x 164 x 201   664 x 238 x 201*	371 x 407 x 243	664 x 407 x 243
Empty weight ECO II+ with bracket	1,7 kg   3,2 kg*	3,6 kg	5,3 kg
Full weight ECO II+ container	2,7 kg   4,2 kg*	2 x 2,7 kg	2 x 2,7 kg

\*ECO II+Large | \*\*Germany

# THE COMPLETE SOLUTION

## META Tower

The META Tower is convincing in all its components:

- > Compressed air, suction and amalgam separation compactly combined in one device
- > Space-saving for positioning in the smallest of spaces (0.36 m² footprint)
- > Low-noise operation with only 54 dB(A)

### Compressed air

- > META Air compressors with the latest membrane drying technology for the supply of hygienic compressed air

### Suction

- > EXCOM hybrid central wet suction systems with an underpressure of 180 mbar

### Amalgam separation

- > Central, maintenance-free sedimentation-based amalgam separation technology



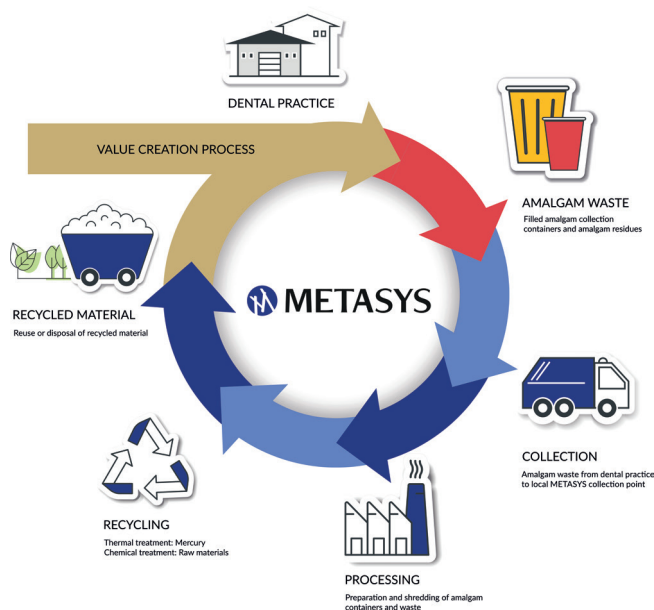
	META Tower 2	META Tower 5	META Tower A2	META Tower A5
Order no.	111000001   111000002	111000003   111000004	111000005   111000006	111000007   111000008
Unit	up to 3 units	up to 5 units	up to 3 units	up to 5 units
Amalgam separator	without	without	with ECO II+ D	with ECO II+ Tandem D
Power supply	230 V/400 V	230 V/400 V	230 V/400 V	230 V/400 V

# AMALGAM COLLECTION & RECYCLING

## Protect what you need

### METASYS – The complete cycle

METASYS offers dentists not only amalgam separation technologies, but also a globally organized amalgam waste collection and recycling system. This ensures that the amalgam residues from dental practices are properly collected and processed.



### METASYS logistics & collection GmbH

The services of METASYS logistics & collection GmbH meet the specific needs of dental practices. In specific countries METASYS logistics & collection GmbH handles all types of dental waste and provides an uncomplicated way for dental practices to dispose of waste. The collection network delivers several tons of amalgam waste to the company's own amalgam recycling facility every year.

### METASYS recycling & processing GmbH

The METASYS Group of companies runs its own amalgam processing plant on the company premises under the management of METASYS recycling & processing GmbH. By thermic and chemical separation processes the reusable ingredients are extracted from the waste and then returned to industry. The recycling plant is specialized in amalgam waste and holds all necessary permits.



### Worldwide collection centers

Get all information on our worldwide collection centers on [www.metasys.com](http://www.metasys.com).

# ACCESSORIES, SERVICE & MAINTENANCE



**Annual inspection kit for  
MULTI SYSTEM TYP 1**  
Order no. 120000235  
**COMPACT Dynamic**  
Order no. 120000598

**5-year inspection kit for  
MULTI SYSTEM TYP 1**  
Order no. 120000229  
**COMPACT Dynamic**  
Order no. 120000594

**Spittoon valve**  
Order no. 110000002

**Cover for ECO II+ incl. connection adapter**  
Order no. 120000538

**META Connect fittings case**  
Order no. 120000273

**Replacement container for  
MULTI SYSTEM TYP 1  
COMPACT Dynamic  
ECO II+**

Please request the correct order numbers for each country.