

ISO CERTIFIED

AMALGAM SEPARATION

Chairside, inside the dental unit

Central, sedimentation-based

With complete recycling package



METASYS amalgam separation technologies

Overview

METASYS remains one of the leading companies for amalgam separation technologies. Over 300,000 faultlessly functioning chair side amalgam separator systems, produced over many years, underline the high level of reliability and operational safety of amalgam separators from METASYS.

The right solution for every situation!



There are not only chairside separators like the COMPACT Dynamic and MST 1 available but also central ones like the ECO II, ECO II D, ECO II Tandem and ECO II Tandem D. 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 a modular design with corresponding ease of maintenance and service, high reliability, cost-effectiveness and state-of-the-art technology in common.

Installation into the dental unit

- > MST 1
- > COMPACT Dynamic

Central solutions

For retrofitting into existing suction systems of various manufacturers:

- > ECO II
- > ECO II Tandem

Central solutions in EXCOM suction systems

- > ECO II/ECO II D in the suction system EXCOM hybrid A1/A2
- > ECO II Tandem/ECO II Tandem D in the suction system EXCOM hybrid A5

Semi-wet suction systems with sedimentation based amalgam separation

A central, ISO-certified amalgam separation module can be added to each METASYS EXCOM hybrid suction system; it therefore meets the legal requirements for amalgam separation.

ECO II and ECO II Tandem amalgam separators are impressive due to functioning without maintenance, without any electrical switching and monitoring equipment, being quick and easy to install and their unbeatable price advantage.



**EXCOM hybrid A1
ECO II**



**EXCOM hybrid A2
ECO II**



**EXCOM hybrid A5
ECO II Tandem**

Order no.	02010251	02010221	02010222 02010224
Power supply	230 V	230 V	230 V 400 V

You can find detailed information on the EXCOM hybrid semi-wet suction systems in our suction systems brochure.

METASYS solutions

Care and maintenance

The right care makes the difference!

Cleaning and disinfecting the entire system properly is essential for both hygiene and functional reasons. The reduction in dirt and biofilm prevents performance reductions and increases the service life of the devices*.

WITH GREEN&CLEAN M2



Residues-free
module 2 works
flawlessly



No biofilm thanks to
correct cleaning and
disinfection



No traces of biofilm
in the suction
system's hose

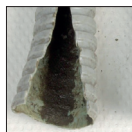
WITHOUT GREEN&CLEAN M2



Deposits on
module 2 in
the MST1



Biofilm on water
deflector in
the MST1



Biofilm in the
suction system's
hose

GREEN&CLEAN M2: Dual, active defoaming concentrate to disinfect and deodorise suction systems and amalgam separators.



*Please observe the instructions for use!

Flexibility in installation

META Connect fittings case

Order no. 40400008

The META Connect fittings case is a complete installation set with over 125 connection elements and accessory parts. The practical adapters, extensions, connection and angle pieces simplify the installation of drainage and suction lines in dental offices. All connection elements and accessory parts can be re-ordered individually. A must for every service technician!



METASYS service case MST 1

Order no. 40400001

The METASYS service case MST 1 is a complete set of replacement parts and enables the rapid execution of all maintenance and service work.



METASYS amalgam separation

Chair side solutions

Modular design

Maintenance, service and repairs are simple, due to the modular design. It is therefore possible to maintain, repair or replace the respective modules individually where necessary.

- Module 1** Main frame (incl. circuit board)
- Module 2** Air/water separation
- Module 3** Centrifuge for amalgam separation

Separation module with place selection valve

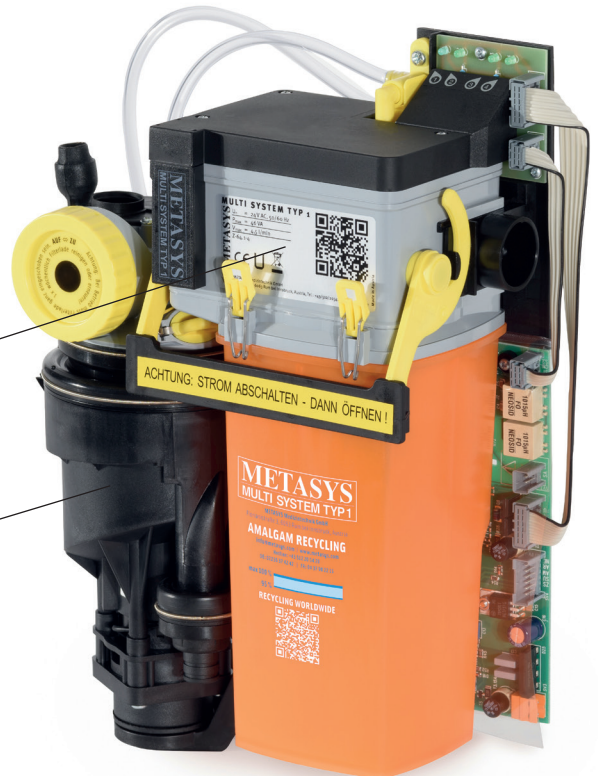
The air/water separation module is equipped with its own place selection valve. Further supplementary installations are therefore unnecessary.

Self-cleaning centrifuge

The centrifuge in module 3 ensures the high degree of separation of up to 98.6 % (MST 1). Furthermore, after every STOP the centrifuge performs self-cleaning. This results in extremely quiet running and functional safety.

Various installation kits

A range of different assembly variants and own installation kits, which are available for all conventional dental units, enable effortless and above all speedy installation.



	MST 1	COMPACT Dynamic
Order no.	01010001	01060001
Power supply	24 V AC	24 V AC
Frequency	50/60 Hz	50/60 Hz
Max. current consumption	2 A	6,3 A
Max. electrical shaft power	46 VA	100 VA
Max. water flow rate	4,5 l/min	4,5 l/min
Vacuum range	80 mbar - 250 mbar	80 mbar - 160 mbar
Separation rate	98,6 %	96,4 %
Collection container capacity	300 cm ³	300 cm ³
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 permit number	Z-64.1-4	Z-64.1-2
Order no. with cover	01010020	01060005

METASYS amalgam separation

Central solutions

Maximum reliability

No electrical switching and monitoring equipment is required with the sedimentation separator ECO II. This increases functional safety and enables uninterrupted work with continuous operation.

Perfect results

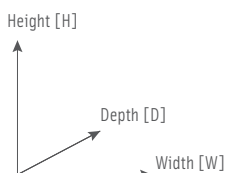
Thanks to the sophisticated sedimentation technology, a separation rate of 99.3% is attained.

Quick and easy installation

The connection to the suction system in the dental office can be established quickly. An ECO II can be retrospectively installed with an existing central suction system.

Maintenance and service

Due to their mode of operation (no electronic components), sedimentation separators are maintenance-free. It is only necessary to change the collection container annually, or if the solids reach the „100% full“ level. Further maintenance and service works are superfluous.



	ECO II 01050004 01050005*	ECO II Tandem 01050007	ECO II Tandem D 01050006*
Order no.			
Max. water flow rate	1 l/min	2 l/min	2 l/min
Separation rate	99,3%	99,3%	99,3%
Collection container capacity	700 cm ³	2 x 700 cm ³	2 x 700 cm ³
Change interval per collection container	min. 1 x yearly or when 100% full	min. 1 x yearly or when 100% full	min. 1 x yearly or when 100% full
Dimensions (H x W x D)	308 x 164 x 201 664 x 238 x 201* mm	371 x 407 x 243 mm	664 x 407 x 243 mm
Empty weight ECO II Tandem (with bracket)	1,7 kg 3,2 kg*	3,6 kg	5,3 kg
Full weight ECO II Tandem (collection container)	2,7 kg 4,2 kg*	2 x 2,7 kg	2 x 2,7 kg
	*Germany		*Germany

The complete solution

META Tower

All of the META Tower's components are impressive:

Compressed air, suction power and amalgam separation combined completely in one device.

- > Powerful thanks to first-class METASYS quality
- > Space-saving for positioning in tiny spaces (0.36 m² space required)
- > Quiet operation at only **54 dB(A)**

METASYS

Compressed air

META Air compressors with the latest membrane drying technology supply hygienic compressed air.

Suction

EXCOM hybrid central suction systems provide an underpressure of 180 mbar.

Amalgam separation

Central, maintenance-free amalgam separation technology based on sedimentation with complete recycling concept.



	META Tower 2	META Tower 5	META Tower A2	META Tower A5
Order no.	07010001	07010002	07010011	07010012
Units	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

ECO TRANSFORM

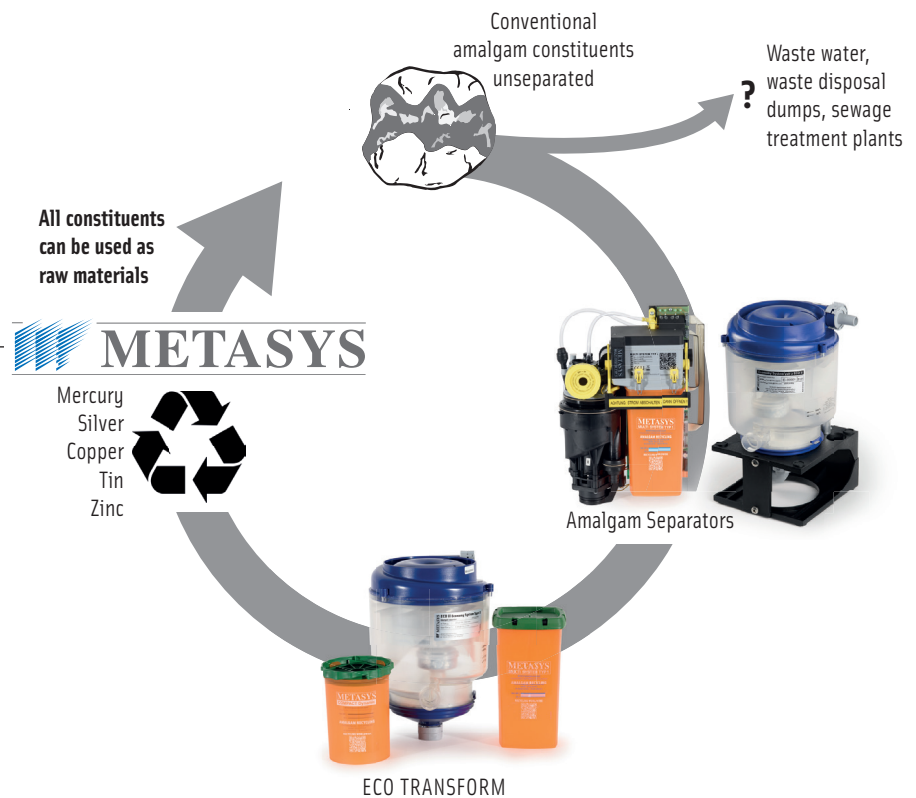
Amalgam collection and recycling: Simple and uncomplicated!

Besides the production of amalgam separators, METASYS offers a worldwide amalgam collection and recycling service

The DENTAL ECO SERVICE collection system delivers several tons of amalgam waste to the company's amalgam recycling plant per year. By thermic and chemical separation processes the reusable ingredients are extracted from the amalgam-containing waste and then handed back over to the industry. The recycling system is specialized in recycling amalgam waste and holds all necessary permits.

The METASYS group

The METASYS group, with its subsidiary DENTAL ECO SERVICE responsible, runs its own amalgam treatment plant on the company's premises. This means METASYS not only offers the dentist amalgam separation technologies but also a worldwide amalgam waste recycling system called ECO TRANSFORM. This guarantees that the collected amalgam residues from dental practices are collected and recycled orderly.



ECO TRANSFORM: the cost-effective amalgam disposal

Place the full amalgam container into the packaging which has especially been developed for sending them by mail. Return the parcel to your national ECO TRANSFORM collection point.

Every new amalgam container includes the following service package:

- > Disposal of the full amalgam collection container
- > Confirmation of the correct disposal
- > Where applicable: Notice to the responsible authority

Worldwide collection centers

Get all information on our worldwide collection centers on www.metasys.com/collection_centers

Collection center AUSTRIA
DENTAL ECO SERVICE GmbH
Florianistraße 3
6063 Rum bei Innsbruck
Austria



Inspection Kit MST 1

Annual inspection kit MST 1

Order no. 50020109

Included in delivery: housing with integrated non-return valve, membrane for place selection valve, pump filter, container MST 1

5-year-inspection kit MST 1

Order no. 50020110

Included in delivery: housing with integrated non-return valve, filter drawer, pump filter, centrifuge cap, water displacement ring, air deflector, membrane, centrifuge chamber, centrifuge pump lid, container MST 1



Inspection Kit COMPACT Dynamic

Annual inspection kit COMPACT Dynamic

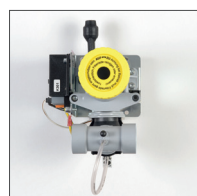
Order no. 50040030

Included in delivery: complete separation rotor, seal, top part of separation with membrane, container CD

5-year-inspection kit COMPACT Dynamic

Order no. 50040031

Included in delivery: complete separation rotor, seal, centrifuge, pump filter, top part of separation with membrane, container CD



Spittoon valve

Order no. 40050002

The spittoon valve is used to connect the spittoon bowl with the suction line in semi-wet suction systems with amalgam separation. It can be easily installed in the dental unit thanks to its small dimensions and flexible connections. Capacitive sensors are used to control the valve.



Cover for ECO II / ECO Air incl. connection adapter

Order no. 40050073

The ECO II / ECO Air cover is made of light and sturdy material, has a small footprint of 0.05 m² and measures 350 x 270 x 200 mm (H x W x D). With this cover, the sedimentation separator is readily accessible and the annual container change can be done quickly and easily.



Exchange container MST 1 / COMPACT Dynamic / ECO II

Exchange container international

MST 1 Order no. 55020001

COMPACT Dynamic Order no. 55020005

ECO II Order no. 55020130

METASYS - your strong partner



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- Amalgam separation
- Hygienic compressed air
- Suction
- Water decontamination
- Infection control
- Recycling