

Central Suction Systems



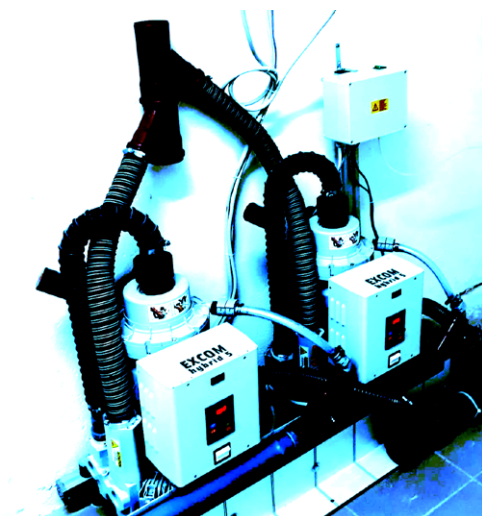
Semi-wet / dry suction | For 1 - 15 dental units
Underpressure of 180 mbar

RELIABLE SOLUTIONS FOR THE DENTAL PRACTICE

The constantly high negative pressure of METASYS suction systems provides an optimum environment for safe treatment in the dental practice. Without continuous suction, fluid build-up occurs in the patient's mouth and impairs treatment. In addition, rotating instruments can cause aerosol formation, which in turn poses infection risks.

1 Dry or semi-wet suction – EXCOM hybrid masters it all

EXCOM hybrid combines dry and semi-wet suction technology in a single device. Regardless of the environment or whether it is a semi-wet or dry suction system - one and the same device can be used for both systems. This gives dentists and practice planners a high degree of planning flexibility, since two different technologies can be combined or even be modified over the years. This makes warehousing and servicing easier to manage for dental dealers.



2 Best treatment results without loss of suction

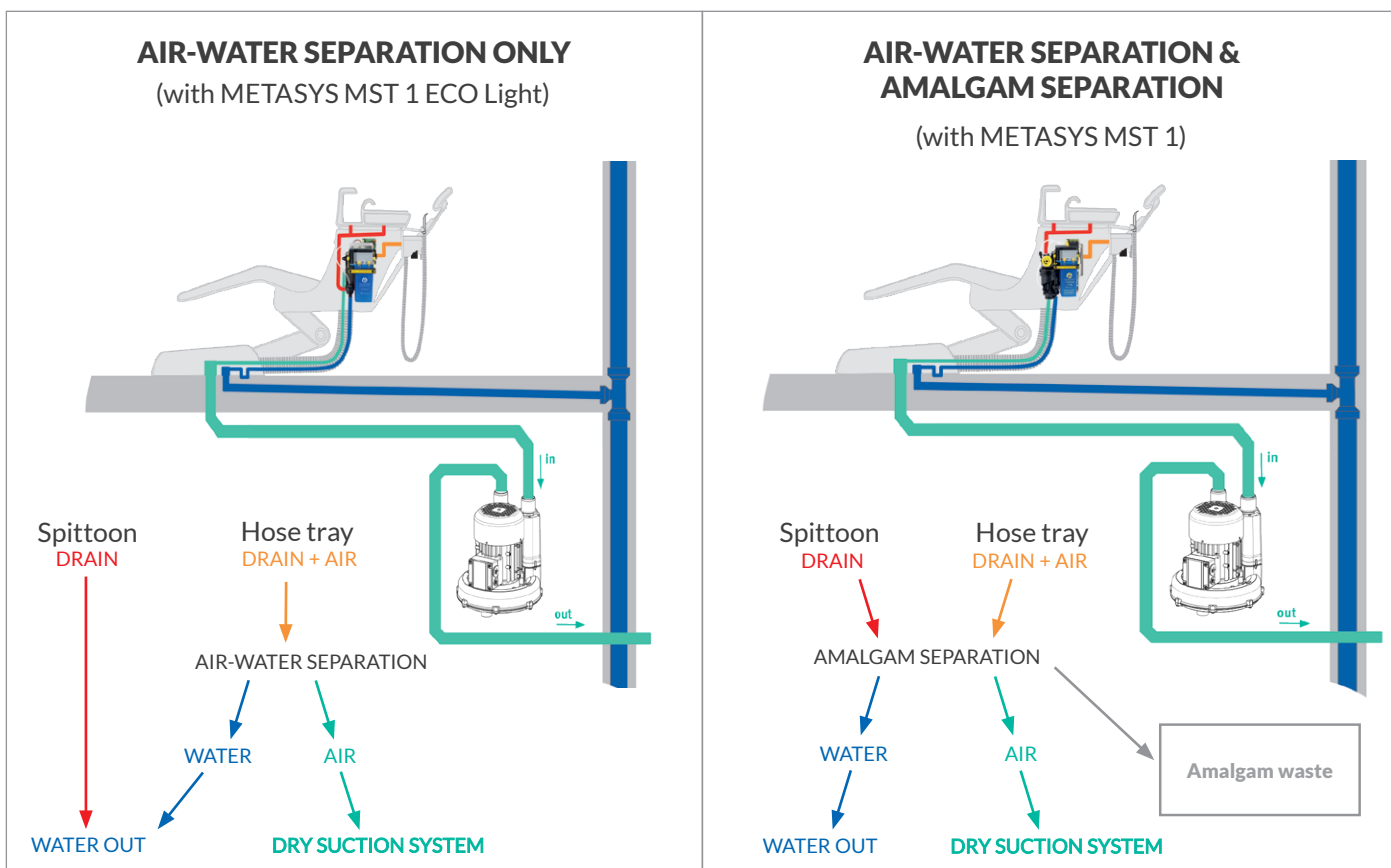
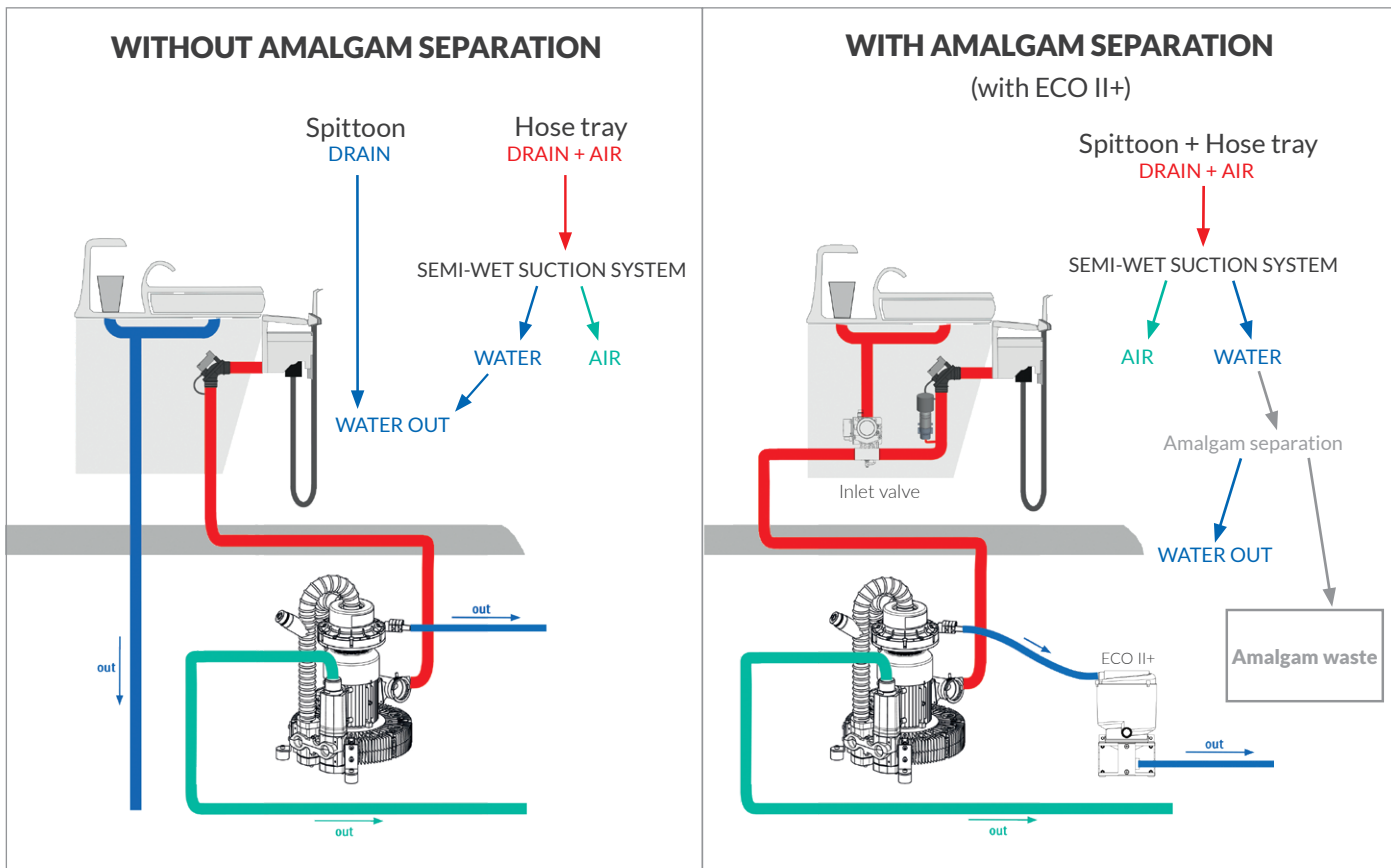
Depending on the requirements of a dental practice, the right solution can be found with METASYS suction systems. Without suction loss and without restrictions on patient treatment, but with high savings potentials, solutions for up to 15 dental units are possible. With the help of our calculation table, it is easy to precisely determine air volume and vacuum values based on the number of dental units as well as the size, quantity and diameter of the suction lines, and consequently make the right choice.

3 EXCOM hybrid + ECO II+: Semi-wet suction with amalgam separation

All EXCOM hybrid suction systems can be supplemented by a central, ISO-certified amalgam separation module and thus fulfill the legal requirements for amalgam separation. 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.



METASYS SUCTION SYSTEMS AT A GLANCE



HIGHEST QUALITY IN ALL DETAILS

Centrifugal separation rotor

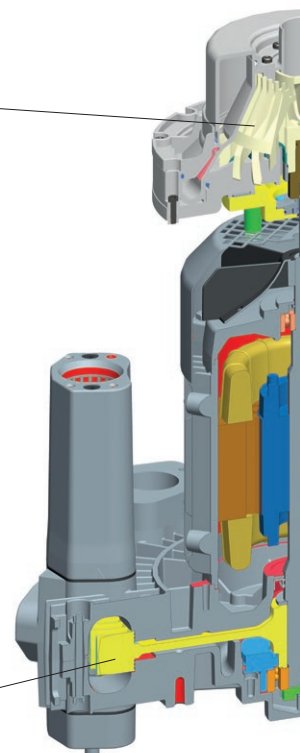
Separation module that uses centrifugal force to guarantee continuous, impeccable separation even with high foam loads. A long-term function of the suction pump is only guaranteed with reliable separation.



Frequency-controlled underpressure control*

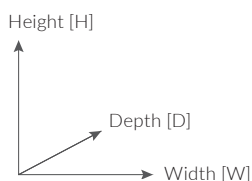
The underpressure is controlled by a frequency control system, which ensures a constant underpressure of 180 mbar at the cannula, depending on the performance requirement. In addition, the frequency-controlled function results in a considerable reduction in energy consumption.

* only with EXCOM hybrid 5



Aluminium turbine wheel

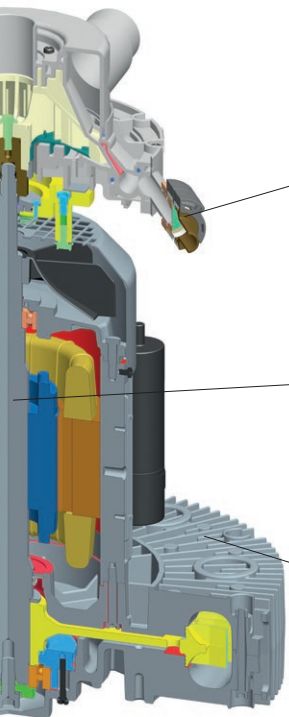
A free-running aluminium turbine wheel ensures long-term functional reliability. Plastic impellers are not used.



Order no.	EXCOM hybrid 1s 104000001*	EXCOM hybrid 1 104000005	EXCOM hybrid A1 104000011
Power supply	230 V AC	230 V AC	230 V AC
Frequency	50 / 60 Hz	50 / 60 Hz	50 / 60 Hz
Max. current consumption	3,5 / 4,5 A	6,7 A	6,7 A
Max. power consumption	0,55 / 0,63 kW	0,94 / 1,1 kW	0,94 / 1,1 kW
Max. ambient temperature	40 °C	40 °C	40 °C
Suction volume	1100 l/min	1100 / 1300 l/min	1100 / 1300 l/min
Negative pressure range, regulated	120 / 140 mbar	180 mbar	180 mbar
Noise level	63 dB(A)	57 / 62 dB(A)	57 / 62 dB(A)
Noise level with cover	54 dB(A)	45 / 49 dB(A)	45 / 49 dB(A)
Dimensions (H x W x D) mm	530 x 350 x 320	570 x 422 x 400	570 x 770 x 400
Dimensions with cover (H x W x D) mm	565 x 387 x 365	785 x 500 x 550	785 x 745 x 550
Weight	15 kg	22 kg	24,5 kg
Weight with cover	16,5 kg	59 kg	61,5 kg
Operating time	100 %	100 %	100 %
Separation rate	-	-	99,3 %
MD class	I	I	I

* also available with control box

TECHNOLOGY AT HIGHEST LEVELS



High wastewater outlet

A wastewater outlet mounted at this height allows convenient connection to the drain or amalgam separator. As a result, no further installation work is required to raise the suction unit if necessary.

Only one motor shaft

One motor shaft moves both the vacuum generator and the separator and ensures that both modules function simultaneously. There is no danger of a possible transfer of liquid from a non-functioning separation into a functioning vacuum pump.

Airflow-optimizing cooling fins

The special design of the optimized cooling fins ensures better cooling and higher protection against overheating. Efficient cooling air flows on these cooling fins enable rapid heat dissipation.



EXCOM hybrid 2
104000006

EXCOM hybrid A2
104000012 | 104000013**

EXCOM hybrid 5
104000008 | 104000009

EXCOM hybrid A5
104000014 | 104000015 | 104000016***

230 V AC	230 V AC	230 V AC 400 V AC	230 V AC 400 V AC
50 / 60 Hz	50 / 60 Hz	50 / 60 Hz	50 / 60 Hz
6,7 A	6,7 A	9,0 / 10,0 A 4,3 / 4,4 A	9,0 / 10,0 A 4,3 / 4,4 A
1,1 / 1,3 kW	1,1 / 1,3 kW	1,5 / 1,75 kW	1,5 / 1,75 kW
40 °C	40 °C	40 °C	40 °C
1450 / 1750 l/min	1450 / 1750 l/min	2000 / 2400 l/min	2000 / 2400 l/min
180 mbar	180 mbar	180 mbar	180 mbar
58 / 63 dB(A)	58 / 63 dB(A)	64 / 68 dB(A)	64 / 68 dB(A)
46 / 50 dB(A)	46 / 50 dB(A)	51 / 54 dB(A)	51,2 / 54,4 dB(A)
580 x 450 x 400	645 x 780 x 400	620 x 460 x 455	620 x 915 x 455**
785 x 500 x 550	785 x 745 x 550	785 x 500 x 550	785 x 745 x 550
27 kg	29,5 kg	30 kg	35 kg
64 kg	66,5 kg	67 kg	72 kg
100 %	100 %	100 %	100 %
-	99,3%	-	99,3%
I	I	I	I

**for Germany with ECO II+ D

***for Germany with ECO II+ Tandem D

SINGLE UNIT DRY SUCTION SYSTEM

VAC 1s

The innovative single unit dry suction system! VAC 1s convinces with high suction power at the cannula and is an absolutely reliable system for every practice.

- > Economical - Good price-performance ratio
- > Efficient - Very good underpressure performance up to 140 mbar (60 Hz)
- > Quiet - Low-noise operation at only 53 dB(A)

	VAC 1s
Order no.	105000001**
Power supply	230 V AC
Frequency	50 / 60 Hz
Max. current consumption	3,5 / 4,5 A
Max. power consumption	0,55 / 0,63 kW
Max. ambient temperature	40 °C
Suction volume	1000 l/min
Negative pressure range, regulated	120 / 140 mbar
Noise level	53 / 56 dB(A)
Dimensions (H x W x D) mm	280 x 244 x 245
Weight	11 kg
Operating time	100 %
Separation rate	-
** also available with control box	✓



The perfect complement

In combination with MST 1 ECO Light (order no. 103000001), the VAC 1s is the perfect solution for a single unit suction.

THE RIGHT CARE MAKES THE DIFFERENCE

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

*Please observe instructions for use!

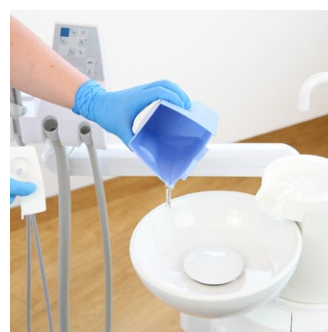


GREEN&CLEAN M2

Dual, actively defoaming concentrate to disinfect and deodorize suction systems

GREEN&CLEAN CL N

Concentrate for the daily cleaning of suction systems



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

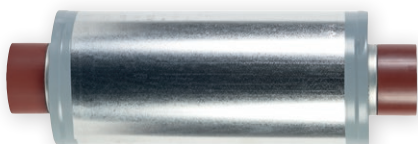
Amalgam separation

- > 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

ACCESSORIES - COVERS - VALVES



Parallel connection for 2 or 3 EXCOM hybrid units

Order no. 120000460 (for 2 EXCOM hybrid units)

Order no. 120000459 (for 3 EXCOM hybrid units)

Automatic control for 2 or 3 EXCOM hybrid units in parallel arrangement for up to 15 dental units. The individual units are activated as required by means of a vacuum sensor.

METASYS covers

Order no. 120000518 (for EXCOM hybrid 1s)

Order no. 120000521 (for EXCOM hybrid 1-5 / A1-A5)

Place selection valve

Order no. 110000004

Spittoon valve

Order no. 110000002

The small dimensions and flexible connections of the spittoon valve make it easy to install in the dental unit. It is controlled by means of a capacitive sensor.

META Connect fittings case

Order no. 120000273

The META Connect fittings case is a complete installation set with over 125 fittings and accessories. All connections can be reordered individually.

Pipe silencer

Order no. 120000531

To reduce noise emissions in the exhaust, the installation of a METASYS pipe silencer is recommended.