



Picture: © M. Jörgens

Dental treatment in the field

The mobile dental unit makes dental treatment possible in a variety of places, providing the basis for an inexpensive dental practice. Our product range is completed by fitting instruments, a suction pump, a set for tooth extraction, dental burs, and more.

Dental treatment in the field

MOBILE DENTAL UNIT

Weighing 28 / 30.5 kg and housed in a solid portable suitcase, the mobile dental unit can be carried easily. To operate, the unit just requires electrical power. An integrated oil-free air compressor provides the compressed air for operating the dental instruments. Bottles for fresh and waste water are included.

Components

Turbine socket:

High-speed, driven by compressed air and water cooled, foot controlled

Air motor socket:

Low-speed for air motor driving handpiece or contra angle handpiece, foot controlled

Saliva ejector:

Suction residues are collected in a waste water bottle

Scaler:

Ultrasonic scaler, controlled by foot

Curing light:

LED polymerization lamp for light curing dental composites

3-way-syringe:

Spray system for air and water

Water supply:

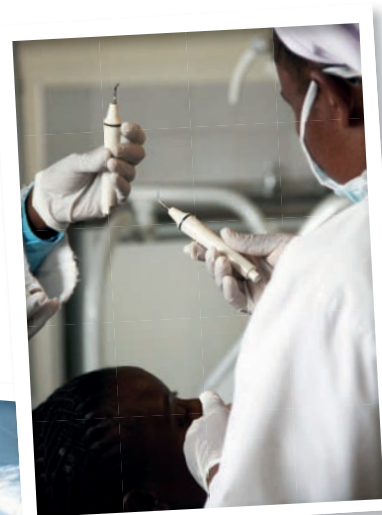
Integrated 1 liter bottle for water supply

Compressor:

Integrated oil-free compressor with an air tank for the supply of compressed air

Foot control:

One foot control pad for controlling the high- and low-speed instruments and one foot control pad for the scaler and the saliva ejector



Dental treatment in the field

TWO MODELS AVAILABLE

To give you more flexibility in terms of price, weight and technical features, action medeor provides two different models of mobile dental units:



Model DU 893

Mobile Dental Unit

This unit is the base model and includes all the essential features necessary to the dental treatment in the field while weighing only 28 kg.

Technical data

Power Supply: ~ 230V / 60Hz
 Dimensions: 45 x 31 x 68 cm
 Weight: 28 kg
 Power: 550 W
 Noise level: ≤60 db
 Compressed air tank: 5 L
 Airflow: 40 L/min

This mobile dental unit is CE certified.



Model DU 852

Mobile Dental Unit Plus

The unit comes with additional features for a more convenient dental treatment in the field:

- additional saliva ejector (choice between strong or weak suction)
- more powerful with 750 W
- higher airflow of 50 L/min
- combined foot control pad for scaler, suction and instruments

Technical data

Power Supply: ~ 230V / 60Hz
 Dimensions: 45 x 31 x 68 cm
 Weight: 30.5 kg
 Power: 750 W
 Airflow: 50 L/min

This mobile dental unit is CE certified.

Dental treatment in the field

INSTRUMENTS

For its usage, the mobile dental unit requires burs and instruments which are not included in the base device. Here is the assortment of instruments provided by action medeor:

Low-Speed Contra Angle with Hand Piece D06*



Features

- Push button contra angle
- External water spray
- Small head, cartridge compatible with NSK
- Easy to clean thanks to the high-quality cartridge
- 1:1 ratio

Technical data

Air pressure: 0.3 Mpa.
Rotation speed: $\approx 20,000$ rpm
Chuck type: Push button

Noise level: ≤ 70 dB
Applicable Bur: 2.35 mm (ISO1797-1)

High-Speed Turbine with LED



Features

- Standard push cartridge
- Stable, low noise, fast, operation with low vibration
- Three-way spray, highly efficient cooling system
- Self-illumination without connecting circuit
- Professional LED light source, superior brightness with a longevity of 10,000 hours

Technical data

Light: LED bulb
Air pressure: 0.25-0.27 Mpa
Holes: 4
Rotation speed: $\geq 300,000$ rpm

Chuck type: Push button
Noise level: ≤ 68 dB
Spray: Three-way spray
Applicable bur: 1.59mm $\sim$ 1.6mm $\times$ 21mm $\sim$ 23mm $\varnothing \times l$

D16-M4 External Air Motor



Features

- European Style design
- Special, wear-resistig stainless steel with special finish
- E-type connector

Technical data

Air pressure: 0.3 Mpa
Holes: 4
Rotation speed: $\approx 20,000$ rpm

Noise level: ≤ 70 dB
Spray: External water channel

Dental treatment in the field

INSTRUMENTS



D17-M4 Inner Channel Air Motor

Features

- Back plate made of stainless steel
- E-type connector

Air pressure: 0.3 Mpa.
Rotation speed: $\approx 20,000$ rpm
Holes: 4

Noise level: ≤ 70 dB
Spray: Inner water channel



Handpiece D06-B4-1 Contra Angle For Implant

Chuck type: Wrench
Reduction: 4:1
Spray: External water spray
Air pressure: 0.3 Mpa

Rotation speed: 5,000 rpm
Noise level: ≤ 70 dB
Bur application: 2.35mm



Straight Head D27-S Inner Channel

Air pressure: 0.3 Mpa
Rotation speed: $\approx 20,000$ rpm
Chuck type: Wrench
Bur applicable: 2.35mm

Noise level: ≤ 50 dB
Spray: Inner water channel
Ratio: 1:1



Straight Head D16-S External Channel

Air pressure: 0.3 Mpa
Rotation speed: $\approx 20,000$ rpm
Bur applicable: 2.35mm

Noise level: ≤ 50 dB
Spray: External water channel



Straight Head D17-S Inner Channel

Air pressure: 0.3 Mpa
Rotation speed: $\approx 20,000$ rpm
Chuck type: Push bottom
Bur applicable: 2.35mm

Noise level: ≤ 50 dB
Spray: Inner water channel
Ratio: 1:1

Dental treatment in the field

HANDPIECE SETS

action medeor provides handpiece sets for the mobile dental unit. There are two types of sets, one with an external water channel and one with an internal water channel.

Handpiece set with external water channel

Consisting of

- D16-M4 External Air Motor
- D16 External Straight Head
- Low-Speed Contra Angle D06

Handpiece set with inner water channel

Consisting of

- D17-M4 Inner Channel Air Motor
- D27-S Inner Channel Straight Handpiece
- Contra Angle Piece



Dental treatment in the field

OTHER ACCESSORIES

For optimum comfort and usability, here are additional helpful dental accessories:



Suction Unit Kataspir 20

A portable suction unit for the aspiration of body liquids. Adapted for oral, nasal and tracheal aspiration in adults or children. It also has a bacterial filter.

Technical data

Motor: Maintenance-free and oilless
piston pump
Free air flow rate: 16 L/min
Max Vacuum: -0.75 bar

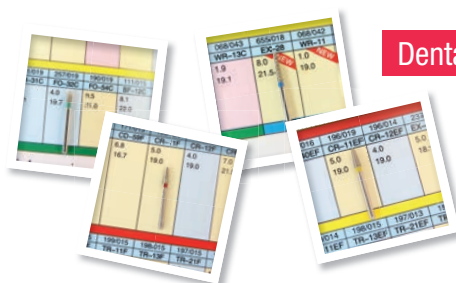
Noise level: 65 dB
Power feeding: 230V - 50Hz
Dimensions: 350 x 210 x 180 mm
Weight: 2.5 kg



Tooth extraction instrument set

Set of instruments for the extraction of teeth, containing:

- Dental forceps Büchs engl. model #1
- Dental forceps engl. model #18A
- Dental forceps Büchs engl. model #13
- Dental forceps Büchs engl. model #72
- Dental forceps Büchs engl. model #33
- Seldin Root elevator, left
- Seldin Root elevator, right
- Langenbeck retractor 40 x 1 m, 21.5 cm
- Willinger bone elevator 5 mm, 16 cm
- Bein root elevator, round 3 mm
- Hemingway sharp spoon, 16.5 cm
- Tooth probe, octagonal handle
- Dental mirror, plane ø 22 mm
- Ward Modelling Instrument
- Mouth mirror, standard threats octagonal handle



Dental burs

Available on request.

Please contact us for more information!

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