For every type of vehicle
an optimised solution

Mobile dispensaries for every vehicle type.

Completely kitted-out vehicles for your surgery.

Digitised, mobile x-raying.

Zimmermann
Special Vehicles for the Veterinary

The veterinary clinic on the move.
We are experiencing interesting times at present. Only a few years ago our work was limited to the manufacture of simple containers for medicines, which at that time, the end-user put into his vehicle.

Today, this has become a rarity as the end-user requirements have become rather more complex and include:

- provide a professional appearance when visiting a client
- find medicines and equipment more easily and ensure their secure transportation to your destination
- ease of use of the entire mobile clinic
- drawers which do not rattle, have a high load bearing capacity and can be pulled out completely
- ability to store vaccines, hormones and vitamins in a chilled environment
- writing space, or workspace for laptop and printer
- secure storage of an insemination container (extractable)
- ready-for-use installation of digital x-ray equipment
- electrical power supply for any equipment in use, lighting, etc.
- space for refuse receptacles

By taking on additional responsibilities our firm has evolved into a “designer” for your vehicle. Design, manufacture and installation - all from a single source. Our team consists of joiners and cabinet makers, electricians, metal workers and a design engineer.

In this edition of our catalogue, for the first time we are introducing actual end-user clients with their vehicles, showing our systems "at work". Wouldn't it be fantastic if you could soon be part of this experience.

We hope you enjoy using our products.

Kind regards,

Karlheinz Zimmermann, Dipl.-Ing.
Six main points in favour of the Multiplex dispensary:

Weight

The general perception that mobile dispensaries made from aluminium are much lighter is incorrect. This has been confirmed through independent weight measurements. An installation using Multiplex and on the same scale as one using aluminium differs only around five percent from the latter. A note of caution, when looking at weight one should ensure to compare “apples with apples”.

Hygiene

Mobile dispensaries manufactured from aluminium tend to become black and hence, prescription medication will also take on a black appearance, whereas the Multiplex mobile dispensary remains neutral, clean and leaves your client with a professional impression of you.

No rattles

If there is rattling during a car journey, this tends to be annoying. Our Multiplex dispensaries are equipped with heavy duty drawer slides which are tolerance-free, incorporate ball bearings and are designed for loads of 30kg per drawer (or up to 60kg with drawer lengths of between 125cm to 150cm). The drawers can be opened completely and are removable (significant in the event of removing the mobile dispensary).

Locking mechanism

During your car journey you suddenly remember that you have forgotten to close a drawer. No problem, you simply step onto your brake for a moment and after a soft “click” your drawer is shut again. Practical heavy duty locks, equipped with high quality t-handles, which guarantee a long lifespan.

Insulation

Compared to metal, “Multiplex” is a poor thermal conductor. Due to the “thermos flask effect” there is additional insulation in the form of air layers trapped between the drawer and the external wall (cavity).

Fabrication method/Stability

All joints of the basic box are fixed with screws, tongue & grooved and glued. Therefore, we are able to guarantee many years of stability. Another advantage is that forces, which normally affect the structure during a journey are absorbed, whereas rigid metal construction may result in material fatigue and tearing of the metal.

What is Multiplex?

Multiplex is an extremely durable material. We have been developing our installations over 20 years and have been able to assure practitioners of the quality of our workmanship. Multiplex can be easily manipulated and offers:

- protection from heat
- protection from cold
- resistance to humidity, common alkaline solutions, acids and medication
- hygiene by means of non-abrasive, smooth surfaces.

Multiplex is not a timber but a special board made from pressed, homogenous layers of veneer.

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"Technology does not offer one-hundred percent safety" - is an old dictum. Nevertheless, the days when several hundred-weight of loaded containers would be placed inside a vehicle without any consideration for safety should long be gone. In the end it is your own health & safety that should be paramount. We have to face the facts in the knowledge, that already a 50kg piece of luggage can turn into a projectile of several tons when impacting at 30 km/h or 19 mph.

We can only try to reinstate safety step-by-step. Part of this is keeping rear seats upright as well as preventive measures, e.g. avoiding the creation of projectiles by leaving loose objects lying around the vehicle. Contrary to our competition, we do put passive safety high on our list of important issues. We keep templates for all types of vehicles, which help to document all of the possible technical safety solutions for the vehicle. Hence, we are in a position to provide a bespoke safety package for your specific vehicle. In this case we are also the only provider in the market who can offer a complete solution.

**Floorplate with accident protection locking mechanism for the mobile dispensary.**

The floorplate is adapted to the geometry of the luggage compartment. In addition, the floorplate is screwed onto appropriate chassis parts. Due to it’s “anchor shape” the floorplate cannot move out of the luggage compartment area anyway and hence, the same applies to the mobile dispensary which is fixed by means of a steelframe and tension belts. Furthermore, the floorplate prevents any sliding in the vehicle under normal operating conditions as well as tipping over in the event that too many drawers have been opened. The original floor of the vehicle remains clean and unmarked for the future sale of the vehicle.

**Floorplate with “storage below function”**

If your vehicle is equipped with a loading kerb we can bridge this with a substructure corresponding in height to the kerb, which is accessible through a flap. Bulky parts, e.g. throat probes or twitches can be stowed away here. This solution has so convinced practitioners that it is now used on vehicles without a loading kerb where the spare wheel compartment is utilised instead. This creates a voluminous storage compartment and the spare wheel is left in the garage.

**Integration of existing components (even competition products)**

You would like to benefit from our bespoke solutions, but you are reluctant to part with your old mobile clinic/dispensary? Talk to us! We would be pleased to make an offer to part-exchange or integrate any existing components in a new installation.
Four standard dispensaries/clinics:

„model flush“

„model edge rim“

„model drawer over total width“

„model upper drawer“, drop lid with pneumatic spring

Drawer placement and size will be according to your individual specification. There is no additional cost! The price is subject to the number of drawers.

Colour examples

<table>
<thead>
<tr>
<th>Colour</th>
<th>Edge trim</th>
<th>Additional charge</th>
</tr>
</thead>
<tbody>
<tr>
<td>white</td>
<td>silver gray</td>
<td></td>
</tr>
<tr>
<td>(uni)</td>
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<tr>
<td>silver metallic</td>
<td>silver gray</td>
<td>(extra charge)</td>
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<tr>
<td>(aluminium anodised)</td>
<td>(uni)</td>
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<tr>
<td>fjord blue</td>
<td>silver gray</td>
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<tr>
<td>ruby red</td>
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<td>(uni)</td>
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</tr>
</tbody>
</table>

Premium colours with edge trim

- Example: silver gray-edge trim blue
- Example: silver gray-edge trim silver gray
- Example: fjord blue-edge trim silver gray

Standard colours (without edge trim)

- Light brown (wood grain)
- Frisian green (wood grain)
- Mahogany (wood grain)

Length of drawers

As standard our mobile dispensaries are designed to a drawer pull out length of 70 cm (27.5”). This number can be reduced without any problems down to 20 cm (7.8”) or increased up to 150 cm (59”) (without specifying the drawer length a standard length of 70 cm will be assumed. The mobile clinic has then a total external measurement of ca. 79 cm (31.1”) including handles - please note that we manufacture to tolerances in cm and not “inches”.

Drawers with a length of e.g. 125 cm will achieve a considerable load capacity of some 60 kg.
Individual accessories in the drawer

We manufacture the dividers inside drawers according to your specification.

Pattern for 100ml bottles in their packaging (also possible for 50 and 250ml)
Slots are made of plastic material for 100ml bottles without packaging or 50ml bottles with packaging
Combined partition: up-front pattern, in the rear area 6 larger compartments
Variable, insertable double dividers for wider drawers made of low-maintenance melamine resin board
ISO compartment for rechargeable cool boxes (no active cooling! Only cold in connection with cooling elements, which are pre-cooled in a freezer). Remainder is fitted with variable dividers.
Drawer over the entire width.
Variable, slot dividers are made from hygienic melamine resin board
Lining mats, light-weight version
- anti-slip
- washable
- anti-vibration

Example: combined separations

Upper drawer with separate compartments (s. illustration).
Separate box for homeopathic medicines
Pattern for three bottle sizes (10, 50, 100ml)
Combined separation according to requirements
Combined separation according to requirements (pattern 10ml)
Syringe tray in the front of the drawer
Separation according to practitioners requirements (please state hole sizes)
**Low-rise drawer**

We have different solutions for your laptop and printer. With the low-rise drawer we can integrate your equipment into the mobile dispensary.

New: Low-rise drawer with dust and sight protection by means of a comfortably operated roll top cover in aluminium look.

**Extricable work surface**

The extricable work surface does not have a storage function. Comfortable handling is assured by means of ball bearing runners providing a large working area.

**Office drawer**

The office drawer is an enhancement of the simple pull-out work surface. We take advantage of the height, which provides additional storage in the rear area say for paper, documents and under the lid e.g. inoculation certificates, rubber stamps and pens.

**Laptop table in the drivers area**

Laptop table "Maxi" installed in a VW Caravelle

Main arm with printer table. Shown here: retention device with spreading technology in the footwell area. Subject to the vehicle type various retention modules are available.

Laptop table "Medi". Reduced to basics.

Laptop table "Uni". Additionally equipped with notepad storage.

Laptop table "Maxi". Use of a mouse is possible. Storage for spectacles, notepad as well as a handle for moving the table.
Comfortable:
Special refrigeration hardware, which does not produce cold bridges and can be operated with one hand.

Hermetically sealed:
Rubber gaskets for the insulated climatic space are doubled up. This produces a homogenous storage area for sensitive medication.

Economical:
The 12V aircon unit uses 36 watts and hence is more economical than most chill cabinets. Measurements have shown that a thermo-electrical chill cabinet will use up to five times more power than a compressor system. At say 20 degrees C external temperature the climate controlled mobile dispensary can keep working over a weekend without "external assistance", i.e. only with battery power.

Trust:
Not just your own conscience will be clear. Your client will also realise that expensive medicines will reach the patient in optimal condition. A climate logo on the drawer front and the displayed actual temperature show the use of professional technology.

Precision:
The digital control can be programmed precisely. Temperature inside the drawer is monitored via a sensor. The display shows the current temperature inside the drawer.

Safe:
Should the climate controlled mobile dispensary receive it’s power for a prolonged period only via the vehicle battery (without charging), then the compressor of the aircon unit will switch off as soon as a drop in voltage is detected (low voltage protection). A sound 80 Ah battery would supply power for at least three days.

The solution that is guaranteed to meet all EU requirements. Do not expose your medicines to "temperature stress". With climate controlled drawers you will have a grip on temperature problems.

According to requirements, either one, two or more drawers will be equipped with climate control. Vaccines, hormones and medicines are therefore stored and transported in accordance with prevailing regulations. During day-to-day mobile operations the energy is supplied via the 12V vehicle battery. Together with a 240V power supply for your vehicle (external power socket) the climate controlled mobile clinic can be operated for an indefinite period. Additionally, a digital control unit takes care of temperature control and displays actual and target temperatures. The climate control works on recirculating air, hence, no cold air is trapped. The condensation water trap provides dry air to the climate tray.

Dr. Maindiaux from France: Mercedes M-Class 6 drawers, 2 climate controlled, 1 upper drawer

Example: Volvo XC 70

Make a professional impression with the climate controlled mobile dispensary

Temperature movements without climate controlled dispensary

Temperature movements with climate controlled dispensary

* heating function via vehicle heater (s. page 11)
Professional, customer oriented work environment using the climate controlled dispensary

How much does a carton of vaccine cost?

How expensive can improper vaccination be?

Does the client (who is well informed through professional magazines) loose his confidence in the practitioner, who is taking medication from an overheated vehicle that has been exposed to intense sunshine?

What was admonished by the government inspector at the last inspection?

You should answer these questions to yourself and keep in mind that certification according to DIN ISO already requires the presence of a controlled transportation area in the vehicle.

Fit-out examples of climate controlled dispensaries

Example: Porsche Cayenne - 6 drawers, 3 climate controlled drawers, 1 drawer full-width

Example: Citroen C8 - 7 drawers, 2 climate controlled drawers

Example: Landrover Defender - 6 drawers, 1 climate controlled drawer, 1 drawer full-width

Example: Pick-up - 5 drawers, 1 climate controlled drawer, 1 drawer full-width, 1 single drawer

Example: installation on one side (Kia Carneval)

Example: VW Caravelle - 9 drawers, 2 climate controlled drawers

Individual placement and size of drawers can be tailored to your specification.

No additional cost!

The price relates to the number of drawers.
Compressor refrigeration is based on the same principle as our fridge at home. CFC-free cooling fluid is compressed via a long-lasting Danfoss compressor and then evaporates again in the refrigeration area. With 35 Watt power consumption it is just about half that of thermo-electrical refrigeration. Furthermore, the required temperature is achieved after a few minutes because of the tremendous efficiency of the system and then the compressor powers down.

As a rule, compressor refrigeration/cooling will achieve a lifespan of 10 years or more.

**Cool boxes with digital "precision control"**

Special equipment for all compressor refrigerators (cool boxes)

It is imperative for a mobile practitioner to be equipped with a means of cooling his medication. Our climate controlled dispensary is the professional solution. Smaller amounts can be kept in a cool box.

As a rule, manufacturers equip their cool boxes with low quality controls. More often than not, either an old fashioned slide control is installed or a knob control. Lack of precision control forces them to mark various refrigeration levels without °C numbers, instead they use for example a scale from 1-10. Therefore, the quality of refrigeration and a constant temperature can no longer be guaranteed. The manufacturer’s product quality cannot be judged anymore. For the average user of a cool box this is not an issue, however, in our case the big disadvantage of this solution is the potential danger of accidental adjustment of the control lever/knob, or accidental movement of the scale position, the medications minimum temperature limits may be dangerously close or indeed, they may fall below a safe level.

In particular compressor equipped refrigeration can quickly freeze down to -20 °C and therefore, rendering high quality medication useless. The digital control system has a very sensitive sensor that provides precise values to the control unit. Freely selectable temperatures are kept to an accuracy of +/- 1°C. The current temperature is shown on the LED display.

"Cold sinks to the ground - heat rises to the top ..." - this general rule of physics also applies to the storage compartment. The danger of cold spots makes the use of cooling equipment more difficult. For this very reason we fit our cool boxes/refrigerators with low-noise, energy efficient ventilaton fans (ca. 1W), which recirculate the air during the cooling/heating period. This provides temperature consistent storage for high quality medication.

Additional possibility: heating element

Cool/refrigeration boxes with this sign can be equipped with our precision control system.
**Thermoelectrical cool boxes** are based on the “Peltier effect”. Cold, or conversely heat, is produced by application of voltage. These boxes are cost effective, light in weight and easily handled.

However, the cooling capacity is limited to below 25°C ambient temperature, i.e. the 8°C required are hardly achievable during summer. Besides, the power consumption is relatively high, because the box is permanently powered. The TC 14 box, with it’s 60 Watt rating, requires around 5 ampere which puts an enormous strain on even the most powerful batteries.

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**Installation examples of cool boxes/fridges in your mobile dispensary**

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**Extractable cool box**

Low-level drawer for a cool box.

Advantages: circulation air and comfortable access; sensible location of the cool box; space in the structure normally needed to open the box is no longer required, as opening the box takes place outside the vehicle; electrical power supplied via spiral cabling.

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**Compressor refrigerator MDC-50**

As convenient as the fridge at home, with a freezer compartment at the top and a storage shelf in the door.

Pic.: Renault Kangoo, 2 sliding doors

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**Extractable cool box fitted in the rear**
Relieve vehicle battery

External supply of the vehicle:
- e.g., with emergency services or fire departments, the equipment number consuming power from the vehicle has increased (i.e., laptop, cooling, etc.). The vehicle battery is not really designed for this additional demand and even a secondary battery will only provide temporary cover. It is more efficient to relieve the main battery through recharging.

1. via the tow-bar attachment
2. via an external power socket

Through the external power socket, the battery charger and other 240V equipment used in the vehicle can be supplied (e.g., the 240V heater).

The battery charger is automated and switches itself as soon as the battery is fully charged. Hence, it can be operated long-term without any worries.

1. Charging unit
2. Charging externally via the 13-phase power socket on the tow-bar coupling
3. External power socket 240V

Electrical installations

Neon lamp for fitting to the vehicle ceiling, or better still at the tailgate, then it won’t glare so much. Highly efficient lighting - white light.

Swan-neck-lamp with halogen bulb: very bright spotlight for lighting of your work area. Available in two sizes: 30cm and 60cm tall (perfect for lighting of insemination containers).

Mag-lite torch with charging cradle in 12V operation. The torch is simply clipped into the charging cradle.

Heater 1400 W operated by thermostat and only via 240V supply, e.g., via external power socket. On cold days this keeps your vehicle frost-free. Advantage: Windows are free of ice in the morning and the vehicle interior is comfortably warm.

A transformer changes the on-board voltage of 12V to 240V. This is necessary in order to operate equipment like laptop and printer in the vehicle. The picture shows 2 power sockets, which are an "extra". We can provide transformers with a rating of up to 3000 Watts. This enables the running of all 240V equipment on board at any time (incl. an x-ray unit!).

Heater (night heater)
Supply via external 240V power socket

Heater (day heater)
via cooling fluid supply only whilst driving (for pick-up bed)

Transformer 12V-240V
Battery charger for vehicle battery
Thermostat for heater

Rechargeable torch
External power socket

Who still remembers incidents of foot & mouth? Disinfection trays to clean boots should help towards calming one's worst fears. Shouldn't there be an ongoing effort to achieve meticulous cleanliness? Often removed.

"spray" mode making sure that any dirt caught in the chinks is well as a professional high-pressure pump, running at 2.8 bar (40psi), integrated water tank (e.g. 50l), which can be refilled externally, as needed in two sizes: 30cm and 60cm tall (perfect for lighting of insemination containers).

A sink (Example see P. 23) can also be provided. From time-to-time, it is also used for heating of infusions using hot water from a thermos flask. By the way, a hot water system could also be considered. If the sink solution is considered then a wastewater tank should be used otherwise, a drainpipe would have to be provided in the floor of the vehicle.

Extractable refuse tray with 2 receptacles, used syringe container (upfront)

Everything clean: water supply and refuse collection on the move
Everything clean: water supply and refuse collection on the move

Who still remembers incidents of foot & mouth? Disinfection trays to clean boots should help towards calming ones worst fears. Shouldn't there be an ongoing effort to achieve meticulous cleanliness? Often there is a lack of opportunity in the day-to-day hectic of racing from one barn to the next.

With the boot shower you have all that is necessary on-board. An integrated water tank (e.g. 50l), which can be refilled externally, as well as a professional high-pressure pump, running at 2.8 bar (40psi), feeding the spray handle. The spray handle can operate in "jet" or "spray" mode making sure that any dirt caught in the chinks is removed.

For the washing of hands the extractable water tap is an ideal and space saving solution. Extraction is very easy because of the ball track runners. The water drains into the open.

A sink (Example see P. 23) can also be provided. From time-to-time, it is also used for heating of infusions using hot water from a thermos flask. By the way, a hot water system could also be considered. If the sink solution is considered then a wastewater tank should be used otherwise, a drainpipe would have to be provided in the floor of the vehicle.

Order, cleanliness and hygiene are all attributes preached to the client so that he may ensure successful animal husbandry. Does the practitioner also live up to these attributes? One should lead by example! Certification standards to DIN ISO require in any event that "out-of-date" medication and refuse/rubbish is kept separate from the "good stuff". Besides it would be silly to leave empty medicine packages with the client. Here we have provided you with some possible solutions, which also look clean and tidy. Please note our technical solutions to enable the use of water in your vehicle.

Integrated refuse receptacle for a clean work environment

Extractable refuse tray with 2 receptacles, used syringe container (upfront)

Extractable refuse drawer with one receptacle, remainder storage compartments

2 refuse receptacles sideways in a retention bracket (hanging)

Extractable refuse drawer, 2 receptacles

2 refuse receptacles in a retention bracket (hanging)

One refuse receptacle in a retention bracket (standing)
Working with a straight back

All insemination utensils are tucked away, including defrosting equipment!

Power to the defrosting equipment is ensured by means of a high quality spiral cable.

Please ask for a 12V power supply. By the way: side panels are low-profile in order to be able to remove the container from the drawer more easily.

Configurations:
- double runners or heavy duty guide rail respectively
- multiplex-ring (circular retention slot)
- storage tubes
- container for defrosting equipment
- remainder of tray available for variable dividers

Insemination container tray

Play it safe: containers full of nitrogen don't make happy companions. However, in the drawer the container is kept safe and it ensures that spillages are avoided. The container can only be opened when the tray is pulled out. The times are gone when one had to search for a "bull" with the back bent behind the drivers seat.

Configuration:

1. VW Sharan: container tray fitted sideways
2. Mercedes M-Class: Container integrated into tail-mounted dispensary
3. Spiral cable for the supply of the defrosting equipment
4. Internal drawer compartment
5. Compartment for the container - fixing with a tension belt
6. Multiplex-ring on steel supports

Internal drawer: Space behind the insemination container cannot be used properly. For this reason we open up this space with an additional drawer, which can be easily pulled out.

This has also been called a "secret compartment", because it is not visible at first sight.

Optimal use of space
Extractable compartment behind insemination container

Multiplex-ring on steel supports: Receives the container for open transport within the vehicle. Attention: requires additional securing as the container is only standing inside the ring.
The pick-up’s flatbed is unusually high and difficult to reach: side panel height and an open tailgate prevent unhindered access. Being aware of this issue has led to special solutions for this type of vehicle. This hardtop is crucial for a comfortable access to the flatbed.

Attention: Generally available hardtop versions do not meet minimum requirements! Hardtop versions, which we offer will take into account the professional practitioner’s interests.

Fit-out examples shown can be supplied for other vehicle types as well.
Passenger vehicles offer only a limited amount of storage and usable space, whereby overall weight limitations must still be considered. The following examples show the results of our developments, which are based upon customer requirements and the prevailing conditions (vehicle constraints).

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Dr. Wermuth from Denmark: Side space usage optimised

Vauxhall/Opel Astra: Cool box and insemination container to the side

VW Touran: container drawer/tray bottom left

Passenger side: low-rise drawer for laptop

Three-tier cabinet, low-rise drawer integrated into shelf, cool box

VW Passat: climate controlled dispensary with “office” compartment to the top-left

Subaru Legacy: Dispensary 6 drawers, circumferential rim

Passenger side: three-tier cabinet, cool box

Ford Focus: standard dispensary, refuse receptacle to the one side

VW Golf: standard dispensary, upper drawer, cover flap with pneumatic strut, floor plate with “basement” function

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Fit-out examples for passenger vehicles types

www.vetunit.com

Description and function of the mobile dispensary on page 7

Examples of colours and finishes of the mobile dispensaries on page 4.

Fit-out examples shown can be supplied for other vehicle types as well.
1 VW Touran: mobile dispensary with upper drawer, swan neck lamp, refuse receptacle to one side.
2 Driver's side: three drawers.
3 Passenger side: cabinet with 2 tiers, cool box space.

4 Audi A6: 4 drawers in personalised configuration. Storage area for briefcases etc.
5 Renault Kangoo: dispensary with seven drawers and one upper drawer.
6 Renault Kangoo: standard dispensary "version: full width drawer".
7 VW Touran: no more, please! Single solution on driver's side.

8 VW Caddy: 8 drawers, of which 2 climate controlled.
9 VW Caddy: dispensary with side shelf containing refuse receptacle.
10 VW Caddy: side shelf to right-hand side with refuse receptacle, storage flaps below (e.g. for throat probes), low-rise drawer for laptop and printer.

Description and function of the mobile dispensary on page 7.
Examples of colours and finishes of the mobile dispensaries on page 4.
Fit-out examples shown can be supplied for other vehicle types as well.

Illustrations may vary from the original.
People carriers offer large amounts of usable space and have a low loading kerb. For the large animal practitioner, this is an ideal combination of passenger vehicle comfort and work horse. However, experience has shown that the available space is insufficient for use as a mobile x-ray set up, together with the corresponding space requirements this would impose (i.e. working and consultation areas).

Examples shown here are also available for other vehicle types.
Mercedes M-Class: dispensary with 4 drawers, 1 upper drawer, insemination drawer, extractable work top.

Dr. Kübler: finally, the liquid nitrogen container is securely stored. The container can be supplied with a straight back - very convenient!

Nissan Pathfinder: dispensary with 5 drawers, upper drawer and rim, shelf to right-hand side, refuse drawer with cover closed.

In the 4x4 Off-Road segment the 4-wheel drive train determines to a large extent the overall storage capacity. The kerb to the storage compartment is noticeably higher than with other vehicle types. Despite this limitation the following examples illustrate that we can achieve practical solutions.

3 Plinth, opened: storage compartment for e.g. probes (in drawer look)

4 Mitsubishi Shogun Sport: 5 drawer dispensary, full-width drawer, plinth like pict. 3

5 Mitsubishi Shogun: standard dispensary with upper drawer and drop-down lid

6 The drop-down lid serves as work top and writing desk

7/8 Nissan Pathfinder: climate controlled drawer, insemination drawer, refuse recepticle drawer, low-rise drawer for laptop/printer

9 Landrover Discovery III

10 Driver’s side: three-tier shelf

11 Kia Sorento

12 Mitsubishi Shogun: additional storage compartments on both sides

Examples shown here are also available for other vehicle types.
Dr. Piebes from the Netherlands: receipt issued on site.

In the van segment, the practitioner has sufficient space available for all his needs. In our opinion, due to the elevated seating position, it is possible to drive without getting tired quickly. To all doubters ("I don't want to drive a truck!") we would recommend a test drive in a Caravelle/Transporter to prove that these vehicles are as comfortable as any passenger car.

Examples shown here are also available for other vehicle types.
Dr. Jakob: VW Transporter/Caravelle, 6 drawers, 2 open shelves with flap (below), low-rise drawer for laptop and printer, shelf to one side with refuse recepticle.

Dr. Piebes from the Netherlands: receipt issued on site, VW Caravelle/Transporter: 9 drawers, 4 climate controlled drawers, shelf to one side with refuse recepticle drawer.

Passenger side: cabinet with 4 drawers, shelving, low-level drawer.

Driver's side: cabinet with 2 drawers, full-width drawer, low-level drawers, e.g. for cool box and ultrasound instrument.

Mercedes Viano: open plinth for e.g. endoscope and stand.

In the van segment, the practitioner has sufficient space available for all his needs. In our opinion, due to the elevated seating position, it is possible to drive without getting tired quickly. To all doubters ("I don't want to drive a truck!") we would recommend a test drive in a Caravelle/Transporter to prove that these vehicles are as comfortable as any passenger car.

Mercedes Vito: 6 drawers, 2 climate controlled drawers, 2 large volume drawers, full-width drawer, shelf to one side, extractable water tap.

Dr. Bockelühr runs a mixed practice in Allgäu, Southern Germany. For him it is very difficult to know in advance what a day will hold in store for him (or the night). For this very reason he is prepared for any eventuality, having all most commonly used instruments, equipment and medication on board. A caesarean section or artificial insemination are carried out as routinely as an "urgent" vaccination of the pet rabbit.

Vaccines are stored safely in the cool box with digital precision control.

Preparing for a birth

Consultation

Getting the instruments ready

Always everything at hand

Artificial insemination

Disinfection

Foot treatment
Because of their compactness (i.e., VetRay or Fuji Capsula) it is now possible to install this equipment in a vehicle. A quick diagnosis and pre-purchase examinations can easily be carried out on site.

The exposed film membrane can be read by a digital scanner without the use of any chemicals allowing the image to be viewed on screen within a matter of seconds.

Equipment such as scanner, laptop and possibly a discharge tray, to enable re-use of the films, are securely fitted and fully wired up.

Power to the vehicle is supplied via a compact external socket. Alternatively, it is possible to use a transformer (12V to 240V); for this solution we recommend a second battery.

The practitioner (and his client) can take a seat in the vehicle whilst the images are being produced. An additional storage compartment (with drop-down lid or a large volume drawer) is fitted with a cushion and is used as a bench seat. The cabinet, which houses the equipment can also be used for storage of additional equipment/instruments below, e.g., x-ray unit, ultrasound or endoscope.

Special retention fittings, consoles or shelving are manufactured and supplied for all instruments and equipment. The cumbersome stand can therefore find a safe and easily accessible space of its own. The service we provide includes design, manufacture, metal work, joinery work and electrical installations, all from a single source.
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Fit-out example VW T5: system “VetRay” in a louvre cabinet
Fit-out example Nissan Primastar: system “Fuji Capsula”
Fit-out example Renault Traffic: system “VetRay” in louvre door cabinet

Example: bench seat with large volume drawer (e.g. for ultrasound equipment)
Example: bench seat with low-level drawer (e.g. for x-ray unit, tooth file)

Storage compartment with foldable seat

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Brief introduction to a horse specialist: Dr. Krebs runs a mobile horse clinic in the Westerwald, Western Germany. Any treatment necessary is administered on site. Using a fully equipped Transporter, Dr. Krebs has all the tools he needs at hand. The pre-purchase examination is completed after only 45 minutes, thanks to the digital x-ray technology on board.
Mobile veterinary clinic - fit-out example Mercedes Sprinter 4x4 - deployment: desert region in the U.A.E

The vehicle shown incorporates an external operating table, which has been developed for a specific use. For European requirements or the deployment in the small animal sector respectively, an operating table in the box assembly is available on request.

We have produced a DVD for this vehicle and are happy to provide this to you on request.

Generator with electrical starter fitted to a very smooth pullout track system with 250kg load capacity

Air conditioning with remote control

Compressordriven fridge for medicines which are required to be stored in a cool place

Digital x-ray reader and notebook

Clean workspace when reader is concealed

Observation of the animal sanctuary

Covering the nuclear holy land: only intensive irrigation and special soil (peat moss from Northern Germany) provide the necessary grazing facilities. We are really in the desert with daytime temperatures of 50°C.

The president of the U.A.E exercises animal preservation in these large scale sanctuaries. Furthermore, scientific research and breeding of rare species play an important role.

We were commissioned to supply several mobile veterinary units for the complete medical care of all animals. With some pride we would like to draw your attention to the fact that, prior to our commissioning, it took the client a full two years to find a suitable supplier. Specific requirements, in terms of 4x4 capability together with a box chassis, full air conditioning in driver’s cab and the back, independent power supply, x-ray capability, ultrasound, electrical surgery, independent water supply and an operating table, were all fulfilled.
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Entry into the animal sanctuary

Cleaning the operating table

First digital x-ray images

Testing the ultrasound equipment (Aloka)
Seat covers

Our seat covers are perfect for this "muddy" job. They have the following characteristics:

- breathing fabric
- waterproof
- flame-retardent
- machine washable
- special fabric
- airbag cut-out

Foot well floor mats

The vehicles foot well is especially prone to dirt and bacteria. Dirty and wet boots really foul up your vehicle. We can provide floor mats for most popular makes of vehicles.

Lifting table, forklift, crane

Critics often say: heavily dispensary units have to be moved with heavy duty equipment. On closer examination it becomes clear that the majority of the weight is in the drawers. Removing individual drawers enable one to also empty the vehicle more easily. Using lifting equipment simplifies the whole task and makes it more convenient.

Hydraulic lifting table with footpump pedal. The mobile dispensary can be pulled onto the table when this has been raised to vehicle height. Min. height ca. 40cm (ca. 15 3/4 inch), max height ca. 90cm (ca. 35 1/2 inch).

Hydraulic crane. With this lifting gear the entire mobile unit can be lifted out of the vehicle. In order to be able to use this equipment a minimum clearance of 20cm (ca. 8 inch) above the installation is required.
**Order assistant**

Here we provide you with a design assistant for your personalised storage facility.

**Please note: for your box, we do not charge extra for any special designs!**

*Only the number of drawers determines the price. So don’t be afraid to ask for your personnised size of box.*

Experience has shown that, except for standard versions, practitioners also ask us to provide bespoke solutions (as illustrated by the examples on pages 14-25).

Please refer to the sketch for the proportions of external to internal measurements. This will provide you with a rough guide for your mobile dispensary unit.

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**Maximum measurements to assist with the basic design**

<table>
<thead>
<tr>
<th>Measurement</th>
<th>Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Drawer width for single drawers in the overall unit:</td>
<td>max. 600 mm (ca. 23 2/3 inch)</td>
</tr>
<tr>
<td>Drawer width upper drawer:</td>
<td>max. 1000 mm (ca. 39 1/3 inch)</td>
</tr>
<tr>
<td>Drawer depth:</td>
<td>max. 1500 mm (ca. 59 inch)</td>
</tr>
<tr>
<td>Max. width loading gear:</td>
<td>max. 1200 mm (ca. 47 1/4 inch)</td>
</tr>
<tr>
<td>Height of drawer:</td>
<td>max. 400 mm (ca. 15 3/4 inch)</td>
</tr>
<tr>
<td>Height of drawer for insemination container:</td>
<td>max. 600 mm (ca. 23 2/3 inch)</td>
</tr>
</tbody>
</table>

We reserve the right to make changes without prior notification.

All references to English imperial measurements are for quick reference only. Any orders placed are based on metric measurements.