

VMP
Veterinary Mobile Pack

Designer and Ideator

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Portable Veterinary Clinic

Overview:

VMP is a cutting-edge portable suitcase designed to seamlessly transform into a fully functional veterinary clinic, providing unparalleled convenience and versatility for veterinarians operating in diverse environments. This document serves to provide an in-depth understanding of the features, specifications, and operational capabilities of the VMP system.

Idea Behind the Design:

As a veterinarian and a dedicated student of Healthcare Emergency Management, I have cultivated a wealth of experience over numerous years, channeling my expertise into the meticulous design and enhancement of veterinary services. My journey commenced during my formative years as a student, where I embarked on a mission to extend essential pet care services directly into the homes of pet owners, particularly catering to those unable to access conventional veterinary facilities. Central to this endeavor was my unwavering commitment to establishing an environment conducive to consultation and ancillary procedures, underpinned by stringent hygiene standards.

Despite my persistent efforts to uphold cleanliness, I encountered recurring discomfort when performing tasks such as anal gland expression on kitchen counters or dining tables during visits to small dog patients. Motivated by this realization and driven by my passion for innovation, I resolved to harness my creative acumen to devise a solution that would effectively address this challenge. My objective was to create a practical and hygienic alternative that not only elevated the standard of care but also mitigated concerns surrounding potential contamination in domestic spaces.

Thus, through a process of innovative design and meticulous refinement, I conceived the portable veterinary suitcase – a versatile solution that seamlessly transitions into a fully equipped clinic on wheels. This groundbreaking creation not only facilitates ease of movement for veterinarians but also ensures a sterile and controlled environment for consultations and procedures. Incorporating advanced features such as adjustable height mechanisms, sterilizable materials, and specialized compartments for surgical supplies and sample transportation, the suitcase epitomizes a paradigm shift in veterinary care delivery.

Furthermore, mindful of the exigencies of emergency situations, I ensured that the design of the veterinary suitcase encompasses features that enable swift and efficient utilization during crises. By prioritizing functionality and accessibility alongside hygiene, my invention represents a holistic solution that caters to the diverse needs of veterinarians, particularly in emergency scenarios.

In essence, my transition from practitioner to inventor underscores my steadfast dedication to advancing the field of veterinary medicine through ingenuity and foresight. By bridging the gap between convenience, hygiene, and emergency preparedness, my creation endeavors to redefine the standards of veterinary care delivery, ultimately ensuring optimal outcomes for both practitioners and their cherished animal patients.

Features:

1. Portability and Mobility:

Equipped with four-sided wheels and a unique dual-wheel design, facilitates effortless movement and maneuverability in varied terrains and angles.

2. Height Adjustment:

Innovative adjustable legs allow veterinarians to customize the height of the suitcase to their preference, ensuring ergonomic comfort during operations.

Veterinarians can easily adjust the height of the suitcase to their height when beginning work, thanks to its adjustable legs. After finishing the work, they can retrieve the collapsible legs and ultimately have a suitcase that appears to be simple! It should be noted that the holders designed under the steel sheet as an examination table hold the legs when closing the work and prevent the table from opening by itself. the suitcase's body has a dent and concave design in the area where the examination table is located and that is the why of that!

3. Sterilizable Materials:

Utilizes high-quality stainless steel and polycarbonate materials, enabling easy sterilization and disinfection to minimize contamination risks.

4. Enhanced Hygiene:

Incorporates a safe box for safeguarding sensitive materials and implements, reducing the risk of disease transmission and contamination.

5. Illumination:

Integrated lights provide optimal visibility in all environments, ensuring accurate diagnostics and procedures, even in low-light conditions, powered by a rechargeable battery.

6. Cold Box:

Features a VMP cold box for secure transportation of blood samples, vaccines and temperature-sensitive medications, maintaining the integrity of the cold chain.

7. Surgical Supplies Section:

Dedicated compartment for carrying essential surgical equipment, ensuring readiness for emergency procedures while maintaining sterile conditions.

8. Washable Components:

Removable cold and surgical boxes allow for easy cleaning and disinfection, ensuring hygiene standards are upheld at all times.

9. Device Charging:

Includes a power bank for convenient charging of mobile phones and laptops, ensuring uninterrupted communication and access to essential resources.

Specifications:

Default Size: 31.25 x 17 cm, comparable to the height of an average person's knee to waist.

Customizable Sizes Available: Directly correlated to weight restrictions for desired cases.

Operational Efficiency:

VMP streamlines veterinary operations by providing a comprehensive solution that combines mobility, functionality, and hygiene. Its ergonomic design and versatile features empower veterinarians to deliver optimal care in any setting, ensuring the well-being of both patients and practitioners.

Classified Level:

Level 3 - For Authorized Personnel Only