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# K9

## Feature Comparison Chart



**K9 HERO**



**K9 DIESEL**



FEATURE	K9 Hero	K9 Diesel
Weight	~55 Lbs	~60 Lbs
On-board blood reservoir	Yes, 0.5L	Yes, 0.5L
Frame construction	Cast urethane, with delrin, aluminum and stainless steel components. Non-corrosive	Cast urethane, with delrin, aluminum and stainless steel components. Non-corrosive
Joints	Biomimetic leg and foot joints with realistic flex. Lifelike range of motion in neck, spine. and hip.	Biomimetic leg and foot joints with realistic flex. Lifelike range of motion in neck, spine. and hip.
Remote control	Handheld, wireless remote with 3 buttons to control bleeding and pulses. Rechargeable Li-Ion battery 3-line LCD display LEDs to indicate power, pulse rate, and success/failure of bleeding treatment	Handheld, wireless remote with 4 control buttons and 4 sound buttons Rechargeable Li-Ion batteries 8-Line LCD display LEDs to indicate power, pulse rate, and status of 2 bleeding sites Scenarios can be preprogrammed, or changed on the fly
Skin	Durable silicone skin, lasts for the life of the system. Realistic look and feel	Durable silicone skin, lasts for the life of the system. Realistic look and feel
Fur	4-way stretch fabric with realistic look and feel Fits loose over skin like a real dog's fur Zippers to facilitate removal for cleaning Replaceable socks for easy maintenance Hydrophobic to prevent absorption and staining	4-way stretch fabric with realistic look and feel Fits loose over skin like a real dog's fur Zippers to facilitate removal for cleaning Replaceable socks for easy maintenance Hydrophobic to prevent absorption and staining
Airway	Complete airway and nasal passages, can be intubated with a 10-12mm ET tube. Chest responds with rise and fall with bag ventilation or mouth-to-snout breathing Stomach rises with bag ventilation when esophagus is intubated Jaw design based on actual jaw - hinges in proper position and opens naturally Tongue is elastic to allow the student to pull forward to expose landmarks	Complete airway and nasal passages, can be intubated with a 10-12mm ET tube. Chest responds with rise and fall with bag ventilation or mouth-to-snout breathing Stomach rises with bag ventilation when esophagus is intubated Jaw design based on actual jaw - hinges in proper position and opens naturally Tongue is elastic to allow the student to pull forward to expose landmarks Optional mouth and tongue injury to block airway and force a tracheostomy
Breathing	No	Yes, variable rate and strength, driven by on-board air pump so no tanks need to be refilled or replaced
Removable, swappable limbs	No	Yes, all 4 limbs can be removed at the shoulder/hip joint for replacement with optional amputated or fractured limbs



FEATURE	K9 Hero	K9 Diesel
Wounds	Left saphenous wound (bleeding) Front paw injury (non-bleeding)	Bilateral axillary wounds (bleeding) Optional front leg amputation (bleeding) Optional rear leg amputation (bleeding) Optional rear leg compound fracture (non-bleeding) Front leg simple fracture (non-bleeding) Optional mouth/tongue injury (non-bleeding) Movable gunshot wounds (non-bleeding) for chest seal training Optional Abdominal evisceration Optional burn sleeve for front limb
Bleeding	Venous bleeding at correct physiologic rate and pressure, controlled by on-board pump	Arterial pulsed bleeding and at correct physiologic rate and pressure controlled by on-board pump
IV	Yes, cephalic vein with flash feedback	Yes, bilateral cephalic vein with flash feedback
IO	Tibial - infusible	Bilateral tibial and humeral - infusible
Pulses	Femoral, adjustable for rate and strength	Femoral, adjustable for rate and strength
Sensors	Pressure sensor to detect proper wound packing Sensor data relayed to remote control and shown with LED indicator	Pressure sensor to detect proper wound pressure and/or packing Sensor data relayed to remote control and shown with LED indicators
Tracheostomy site	Yes, with trachea and multi-layered bleeding skin plugs	Yes, with trachea and multi-layered bleeding skin plugs
Thoracocentesis/NCD	Yes, with ability to withdraw air and/or liquid from site	Yes, bilateral with a release of air when needle is correctly placed
Audio	None	4 remote buttons to cue sounds, including barking, growling, whimpering, stertor & stridor Sounds can be played once or repeatedly Multiple sound files played randomly so sound loops are not repetitive
Gastric Dilatation Volvulus (GDV)	No	Yes, cued by remote. Multi-use site can withstand many needle punctures before replacement.
Abdominal Evisceration	No	Optional, can be used or removed depending on use scenario
CPR	Yes	Yes
Microchip compatible	Yes, any type of microchip can be inserted	Yes, any type of microchip can be inserted
Power	12V Makita Li-Ion battery	18V Makita Li-Ion battery
Water Resistance	Yes, can be used outdoors in all weather conditions	Yes, can be used outdoors in all weather conditions
Durability	Designed for rugged use. Frame, skin, joints and internal components selected for strength, durability, and long life	Designed for rugged use. Frame, skin, joints and internal components selected for strength, durability, and long life
Maintenance	Easy to maintain; drain and flush blood system after use, and recharge batteries. Skin plugs can be changed out in seconds and last for hundreds of uses	Easy to maintain; drain and flush blood system after use, and recharge batteries. Skin plugs can be changed out in seconds and last for hundreds of uses
Storage	Durable MIL-STD wheeled shipping case	Durable MIL-STD wheeled shipping case